

SEPTEMBER 1995  
VOLUME 37  
NUMBER 9

# STORM DATA



POES AVHRR  
NOAA-14 Visible  
09/03/95 1707 UTC

LEEWARD  
ISLANDS

Hurricane Luis

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.

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**Cover:** A NOAA-14 POES (Polar Orbiting Environmental Satellite) AVHRR (Advanced Very High Resolution Radiometer) image depicts Hurricane Luis at 1707 UTC (minus 4 hours for EDT) on September 3, 1995. At this time, Luis is approaching the Leeward Islands as a Category 4 Hurricane (Luis's maximum intensity) with sustained (1-minute average) winds of 120 knots (138 mph). Refer to pages 5 and 6 for additional information. (*Satellite imagery courtesy: NCDC Archives.*)

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### **STORM DATA**

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National Climatic Data Center

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

Maps of the National Weather Service Forecast Zones which are used in the Storm Data and Unusual Weather Phenomena section will be printed in all editions.

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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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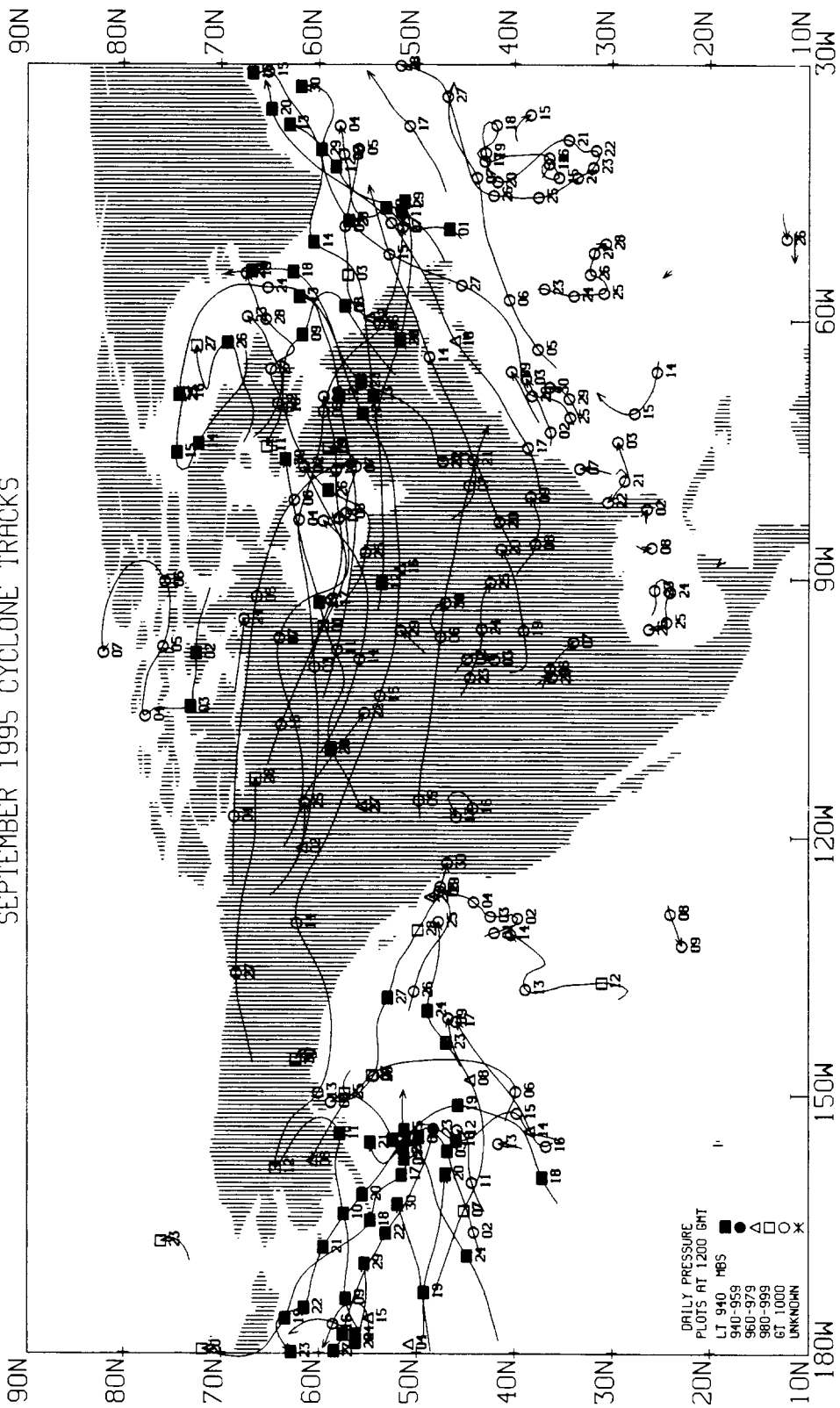
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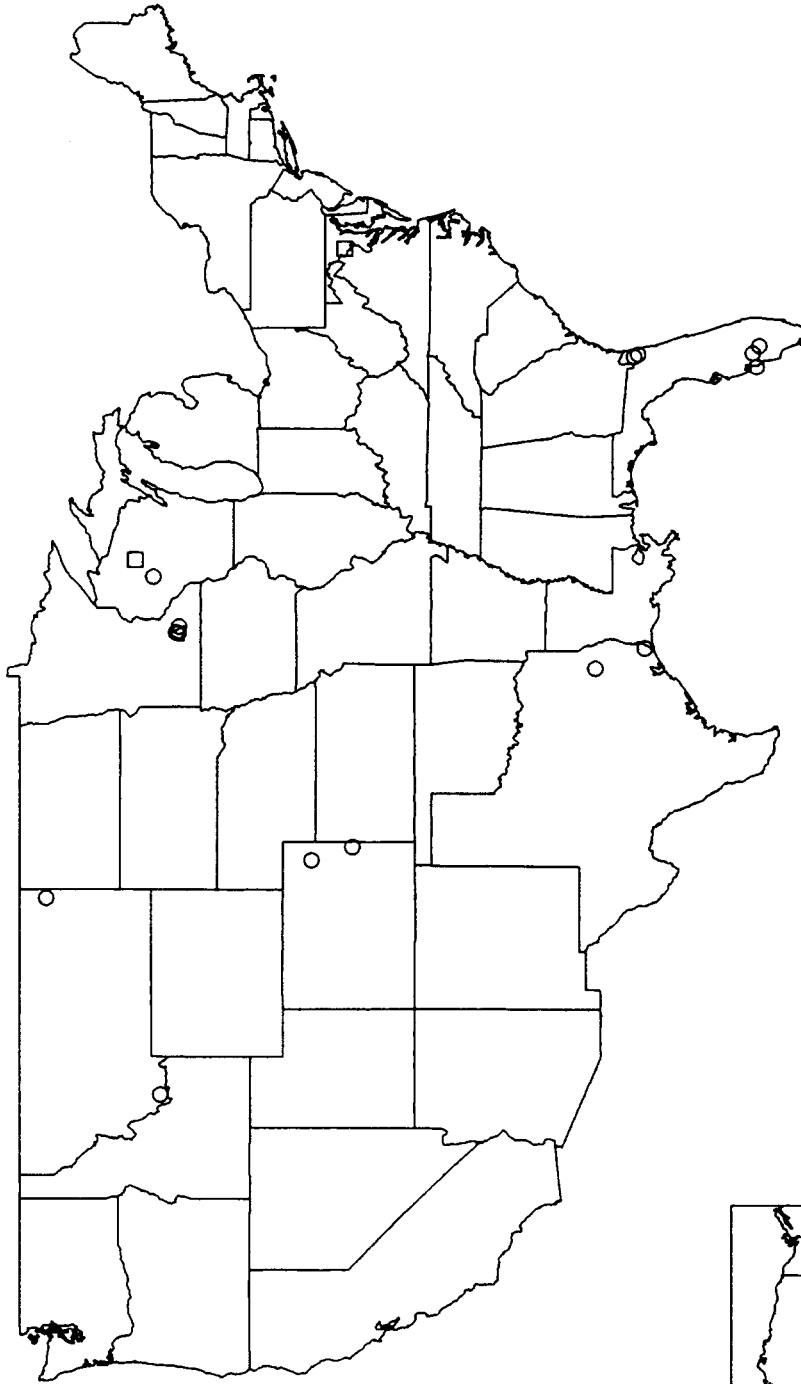


Director,  
National Climatic Data Center

SEPTEMBER 1995 CYCLONE TRACKS

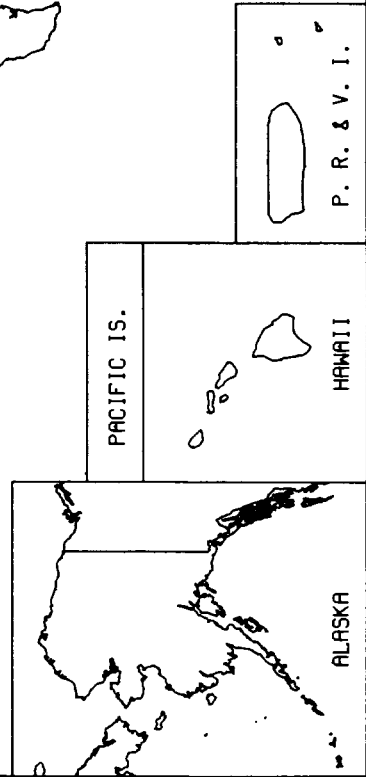


SEPTEMBER 1995 CONFIRMED TORNAOOES



F SCALE	F0	F1	F2	F3	F4	F5
SYMBOL	○	□	△	X	●	■
NUMBER	16	2	1	0	0	0

TOTAL 19



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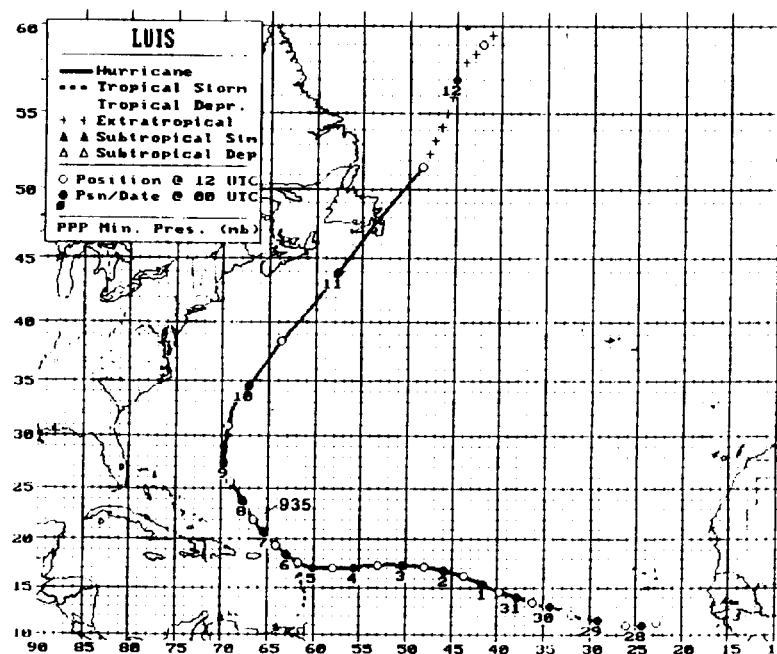
# OUTSTANDING STORMS OF THE MONTH

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## 1. TROPICAL CYCLONES IN THE ATLANTIC OCEAN BASIN

### A. HURRICANE LUIS - AUGUST 27 - SEPTEMBER 11

A tropical wave with a circulation of low-level clouds moved westward between Africa and the Cape Verde Islands on August 26. The wave continued to strengthen over the next few days and reached tropical storm status on August 29. Luis became the twelfth named storm of the 1995 Hurricane Season. Three tropical cyclones, Humberto, Iris and Karen, existed to the west and northwest of Luis. Further intensification fluctuated for the next two days due to strong vertical wind shear. Luis became the sixth Atlantic hurricane of the season late on August 30 and strengthening continued for the next few days as wind shear diminished. Luis strengthened into a Category 4 Hurricane, as defined by the Saffir/Simpson Hurricane Scale, late on September 3 while located about 600 nautical miles east of the Lesser Antilles. The forward direction of Luis remained westward toward the Lesser Antilles until September 5 when the hurricane turned northwesterly toward the Leeward Islands. Luis was a large hurricane with an inner eyewall diameter of 40 nautical miles as the hurricane moved over the northeastern Leeward Islands and directly over Barbuda. The hurricane killed at least 15 people in the Leeward Islands, with nine deaths in St. Martin, two in Antigua, two in Puerto Rico, and one each in Guadeloupe and Dominica. Luis' sustained winds, a one-minute average, in the eyewall, were at 115 knots (132 mph). The hurricane gradually curved across the north Atlantic Ocean. The center of Luis passed about 200 miles west of Bermuda on September 9 where tropical storm force winds were recorded. Luis became extratropical on September 11 as it moved over eastern Newfoundland where one death occurred. Total damage for Hurricane Luis is estimated at \$2.5 billion.



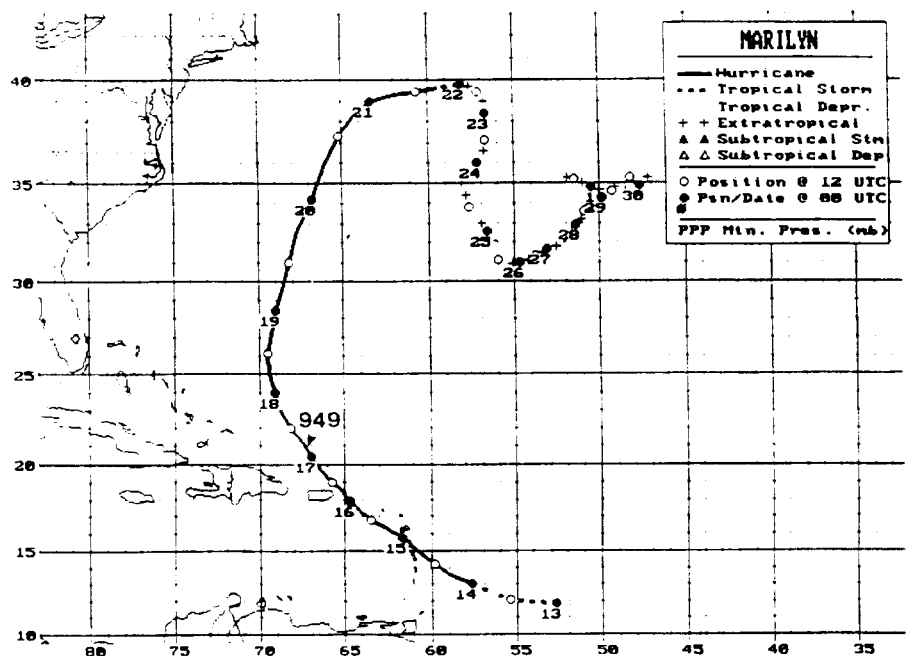
Map courtesy: National Hurricane Center



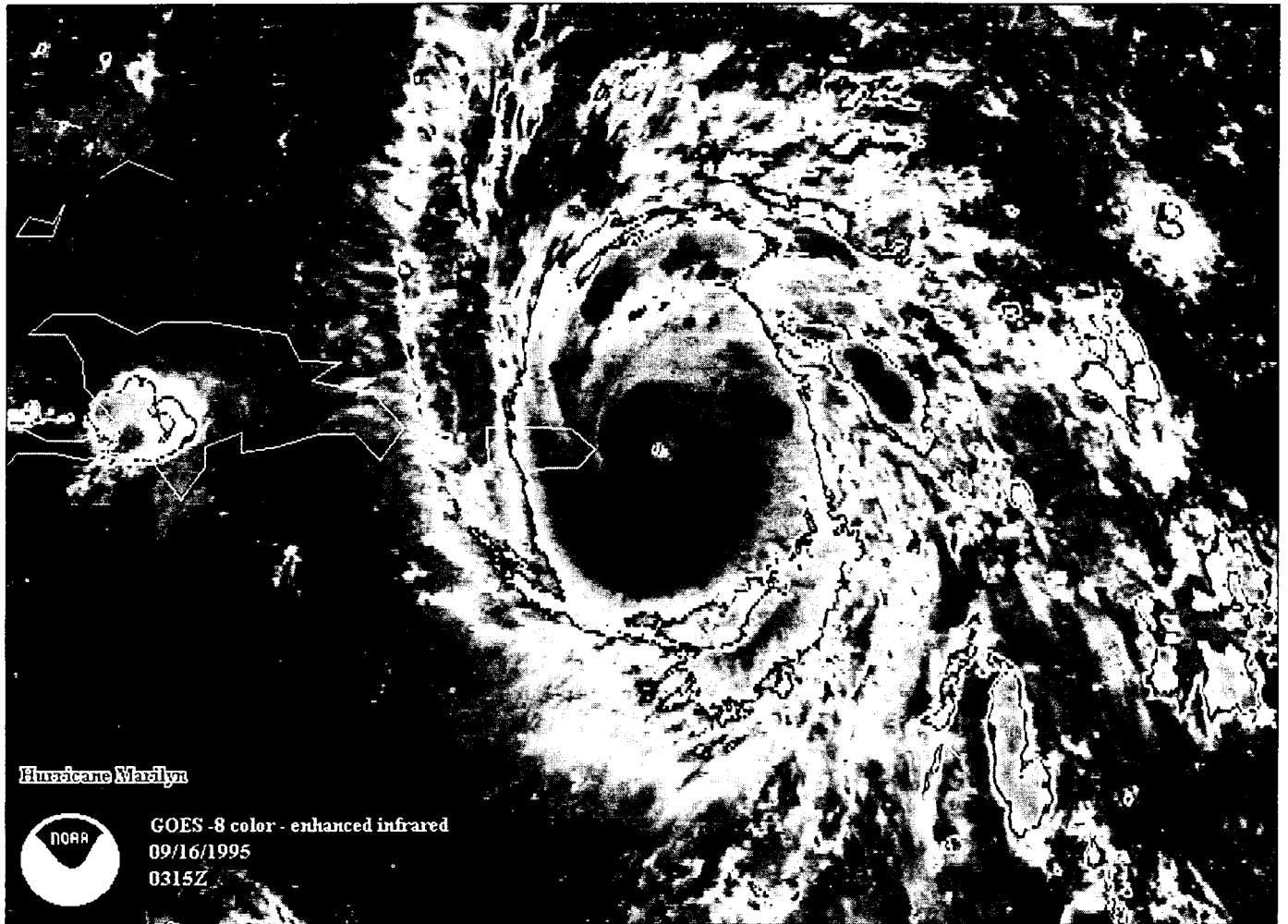
Above: A NOAA-14 POES AVHRR visible satellite image depicts Hurricane Luis approaching the Leeward Islands at 1707 UTC (minus 4 hours for EDT) on September 3, 1995. (Satellite courtesy: Axel Graumann, NCDC, Asheville, N.C.)

## B. HURRICANE MARILYN - SEPTEMBER 12 - SEPTEMBER 22

A tropical wave crossed the west coast of Africa to the eastern tropical Atlantic Ocean on September 7 and the 8th. A large circulation of low and middle level clouds accompanied the wave, but little deep convection was occurring at the time. The wave moved westward about 17 knots for the next few days. Deep convection developed and became concentrated on September 12. Based on analysis of satellite imagery, the wave intensified into Tropical Depression Fifteen at 1800 UTC on September 12. Six hours later, the depression reached tropical storm status. Twenty-four hours later at 0000 UTC on September 14, the storm became Hurricane Marilyn. Over the next few days, Marilyn's forward direction changed to the northwest due to a weakness in the subtropical ridge over the central Atlantic. In the meantime, Marilyn continued to slowly strengthen. Marilyn was a Category 1 Hurricane, as defined by the Saffir/Simpson Hurricane Scale, when the center passed north of Barbados and Martinique, directly over Dominica, and just southwest of Guadeloupe late on September 14. Continuing on a northwestward direction, Marilyn hit the U.S. Virgin Islands during the afternoon and evening of September 15 as a strengthening Category 2, nearly a Category 3, hurricane with an eye diameter of 20 nautical miles. Eight drowning deaths occurred with the passage of Marilyn. Five deaths were reported in St. Thomas, and one each in St. John, St. Croix, and Culebra (Puerto Rico). The Hurricane Hunters reported hail, an unusual occurrence for tropical cyclones. Marilyn reached peak intensity, 949 millibars and 100 knot sustained wind (1-minute average), at 0300 UTC on September 17. Marilyn began to weaken late on September 17. The weakening was likely caused by shearing within the storm, the impact of nearby waters upwelled by Hurricane Luis that were 1°C to 3°C cooler than normal, and the decaying phase of an inner eyewall cycle. Marilyn began accelerating north-northeastward late on September 18. The hurricane moved about 150 nautical miles west of Bermuda on September 19. Upper-level westerly winds began to shear Marilyn and the low-level cloud center became partially exposed. Marilyn became an extratropical cyclone on September 22. The cyclone meandered over the central tropical Atlantic Ocean for 10 days before becoming absorbed in a frontal system. Total damage is estimated at \$1.5 billion.



Map courtesy: National Hurricane Center

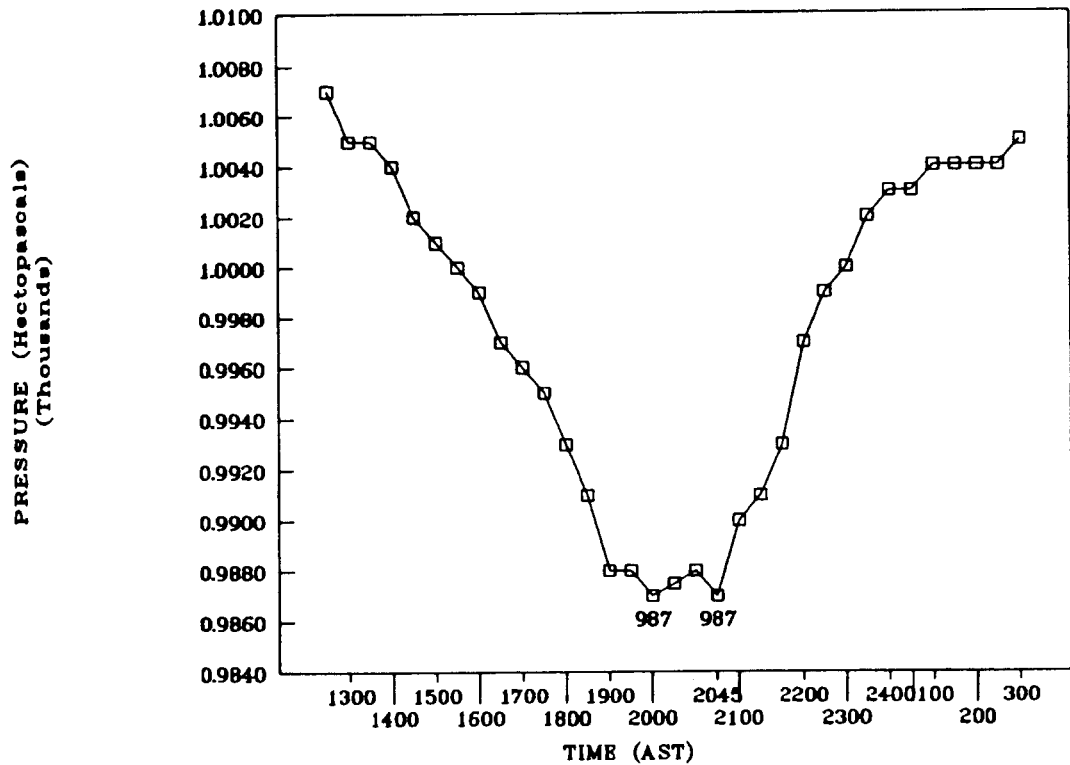


**Above:** A GOES-8 color-enhanced infrared satellite image depicts Hurricane Marilyn as its center approached St. Thomas Island at 0315 UTC (minus 4 hours for EDT) on September 16, 1995. (Satellite courtesy: Axel Graumann, NCDC, Asheville, NC.)



# Pressure Trace for Hurricane Marilyn

15-hour period of September 15-16, 1995



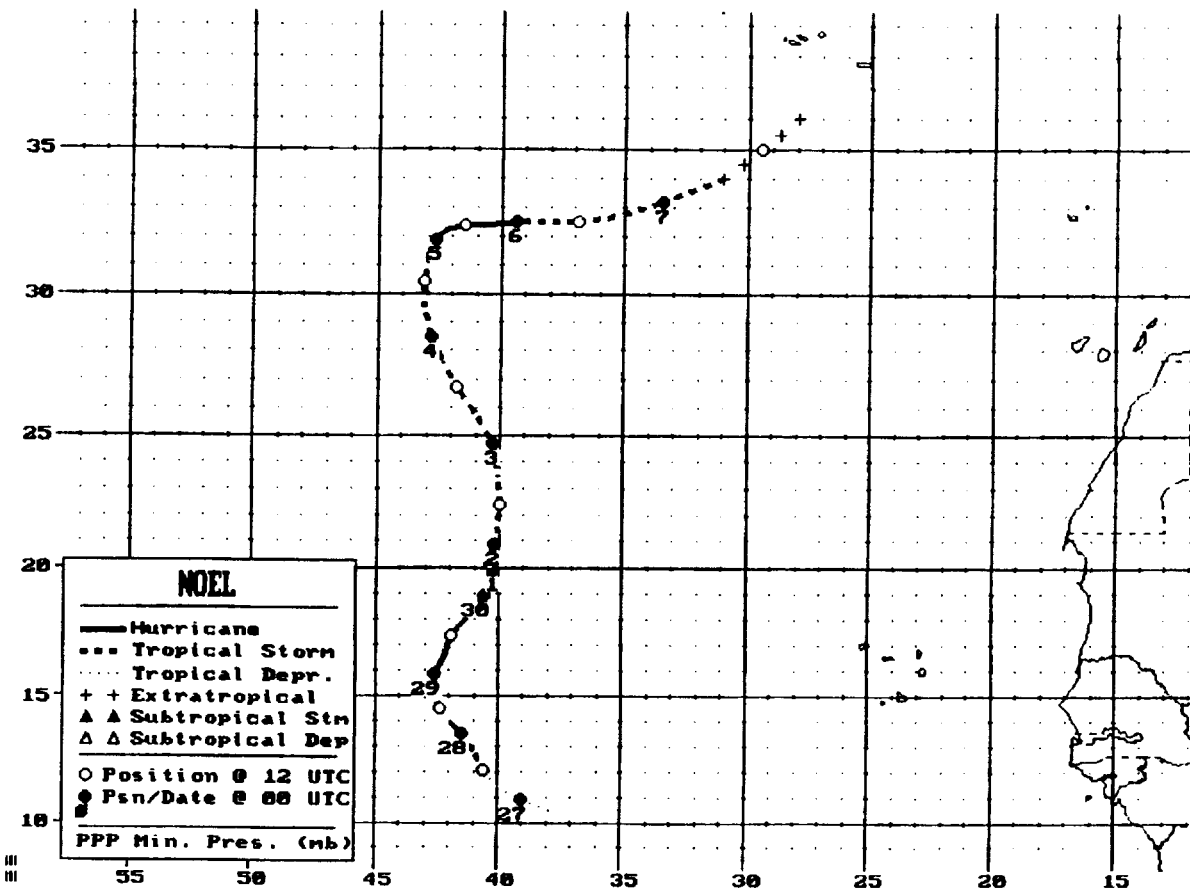
**Above:** Pressure measurements came from a Trident German made barometer at an elevation of 100 feet on the southwest shore of St. Croix in Estate Carlton. (Pressure data courtesy: John B. Stout, St. Croix, U.S. Virgin Islands.)



**Above(left):** Tropical Storm conditions existed on the southwest shore of St. Croix in Estate Carlton at 3:00 AST on September 15. The view is to the south with the wind blowing from the northwest. **Above(right):** Mainly tree damage occurred in Estate Carlton. Photo was taken on September 16, and the view is toward the north. (Photo courtesy: John B. Stout, St. Croix, U.S. Virgin Islands)

### C. HURRICANE NOEL - SEPTEMBER 26 - OCTOBER 7

A tropical wave emerged from the western African coast on September 22. Over the next few days, the wave became better organized. At 1800 UTC on September 26, the wave strengthened into Tropical Depression Sixteen over the eastern tropical Atlantic Ocean. A mid- to upper-tropospheric trough existed to the west of the depression. Weak southwesterly shear began to affect the depression on September 27. Since the shear was weak, the depression strengthened into Tropical Storm Noel around 1200 UTC on September 27. Noel's forward direction changed from west-northwestward to northward due to the influence of the trough. By 1800 UTC on September 28, Noel strengthened into a hurricane and began to move northward to northeastward. Noel remained at minimal hurricane strength until September 30. Due to upper-level southwesterly wind shear, weakening occurred and the forward speed slowed. On October 2, Tropical Storm Noel moved northward at a faster speed. A mid- to upper-level cyclone to the west on October 3 steered Noel north-northwestward for the next two days. With decreased wind shear, Noel regained hurricane status at 0000 UTC on October 5. Twenty-four hours later, Noel weakened in response to a mid-latitude trough. The trough moved Noel to the east-northeast, and then northeast. Noel gradually weakened and began to lose tropical characteristics while approaching the Azores. Noel became extratropical and was absorbed into a cold front at 0000 UTC on October 8. No deaths or damages were reported.



Map courtesy: National Hurricane Center

# Storm Data and Unusual Weather Phenomena

September 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>ALABAMA, North Central</b>									
<b>Walker County Parrish</b>	<b>01</b>	<b>1500CST</b>			?	?	<b>2K</b>	?	<b>Thunderstorm Winds</b>
Several trees were downed by the wind in the Parrish area of central Walker County. One tree fell on a church damaging the roof and allowing water from heavy rain to cause additional damage.									
<b>Lawrence County</b>	<b>01</b>	<b>1635CST</b>			?	?	?	?	<b>Hail (1.00)</b>
One inch hail was reported in Lawrence County.									
<b>Winston County Arley</b>	<b>01</b>	<b>1720CST</b>			?	?	<b>1K</b>	?	<b>Thunderstorm Winds</b>
Several small pine trees were reported downed by the wind in the Arley area of Winston County. One tree fell on a power line.									
<b>Jefferson County Homewood</b>	<b>21</b>	<b>1730CST</b>			?	?	<b>2K</b>	?	<b>Lightning</b>
Lightning struck the south end of the roof of the Shades Valley Lutheran Church causing a small fire that was quickly extinguished with little damage. Exact time is estimated based on radar data.									
<b>Talladega County Sylacauga</b>	<b>22</b>	<b>0050CST</b>			?	?	<b>15K</b>	?	<b>Flash Flood</b>
Talladega County Sheriff reported numerous roads closed across the southern portion of the county including several roads in Sylacauga where sand bagging was done to protect some property.									
<b>ALABAMA, Southeast</b>									
None reported.									
<b>ALABAMA, Southwest</b>									
<b>Mobile County Mobile</b>	<b>17</b>	<b>1815CST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Several trees and power lines were blown down along Dauphin Island Parkway in south Mobile County.									
<b>Mobile County Theodore</b>	<b>18</b>	<b>1715CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Lightning</b>
Lightning struck an oak tree in Theodore and flowed into the ground. The lightning followed the tree roots and caused the water main to break. Water from the break shot sixty feet into the air and damaged a nearby home.									
<b>ARIZONA</b>									
<b>Coconino County Cameron</b>	<b>06</b>	<b>1230MST</b>			<b>0</b>	?	?	<b>0</b>	<b>Hail (.75)</b>
<b>30 E Tusayan</b>	<b>06</b>	<b>1240MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (.75)</b>
A thunderstorm piled up hail two inches deep on State Highway 64 creating icy road conditions and caused several collisions. Three-quarter inch hail up to two inches deep was reported in the same area.									
<b>Yavapai County Chino Valley</b>	<b>06</b>	<b>1418MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Chino Valley</b>	<b>06</b>	<b>1500MST</b>			<b>0</b>	<b>0</b>	?	<b>1.0M</b>	<b>Hail (1.00)</b>
<b>Chino Valley</b>	<b>06</b>	<b>1500MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
Thunderstorms produced large hail and heavy rain. A metal storage shed was blown across a yard of a residence on North Grenada Drive. Willow Creek Greenhouses reported losing all of its outside plants, valued at about \$1 million. Northern Arizona Tree Farms farther west on Center Street experienced major damage to trees, flowers, and vegetable plants. Flooding was also reported in some areas.									
<b>Santa Cruz County Sonoita</b>	<b>06</b>	<b>1430MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
Several thunderstorms brought hail, gusty winds, and very heavy rain. Rain amounts were as much as two inches in 45 minutes.									
<b>Pinal County San Manuel</b>	<b>06</b>	<b>1445MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Mohave County Littlefield</b>	<b>06</b>	<b>1655MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.75)</b>
Heavy rain accompanied golf ball and pea-sized hail which lead to flooding of an underpass along Interstate 15 and also an unpaved road.									
<b>Pima County 5 NE Tucson</b>	<b>06</b>	<b>1705MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G56)</b>
<b>Maricopa County New River</b>	<b>06</b>	<b>1759MST</b>			<b>0</b>	<b>0</b>	?	<b>0</b>	<b>Thunderstorm Winds</b>
A thunderstorm wind gust blew down power poles in New River near Interstate 17.									
<b>Mohave County Lake Havasu City</b>	<b>06</b>	<b>1900MST</b>			<b>0</b>	<b>0</b>	<b>0.5M</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A very strong thunderstorm caused damage to more than 250 homes, several extensively. Roofs were ripped off and air conditioners at three homes were blown to the ground. Winds overturned some boats with a few of them crashing into the street. Winds also knocked down powerlines. Torrential rains caused washes to run very high.									
<b>ARIZONA Cont'd</b>									
<b>Pima County Sells</b>	<b>06</b>	<b>2005MST</b>			<b>0</b>	<b>0</b>	?	<b>0</b>	<b>Thunderstorm Winds (G56)</b>
Thunderstorm winds knocked out power and caused damage to some structures. Heavy rain also caused washes to run full.									
<b>Maricopa County Sun City West</b>	<b>06</b>	<b>2030MST</b>			<b>0</b>	<b>0</b>	?	<b>0</b>	<b>Thunderstorm Winds</b>

# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
Thunderstorm winds toppled a light pole.									
<b>Pinal County</b> Casa Grande	06	2040MST			0	0	?	0	<b>Dust Storm</b>
Blowing dust from thunderstorm winds caused a roll-over of a tractor-semitrailer truck at the junction of Interstates 8 and 10.									
<b>Maricopa County</b> Mesa	06	2215MST			0	0	?	0	<b>Thunderstorm Winds</b>
Power poles knocked down in north part of the city.									
<b>Mohave County</b> Kingman	07	1734MST			0	0	0	0	<b>Hail (1.75)</b>
<b>Kingman</b>	07	1734MST			0	0	0	0	<b>Thunderstorm Winds (G50)</b>
<b>Kingman</b>	07	1800MST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Kingman</b>	07	1800MST			0	0	?	0	<b>Flash Flood</b>
Severe thunderstorms in Kingman initially produced high winds and hail and then heavy rain with high winds in a second wave. The winds of the latter event overturned cars and blew a mobile home completely off of its foundation. The heavy rain flooded washes and city streets prompting search and rescue missions to save some trapped motorists.									
<b>Pinal County</b> Stanfield	08	1700MST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>3 W Casa Grande</b>	08	1702MST			0	0	0	0	<b>Funnel Cloud</b>
Thunderstorm winds knocked over 27 power poles. A sheriff's deputy spotted a funnel cloud over the Desert Carmel Subdivision approximately three miles west of Casa Grande.									
<b>Pinal County</b> 10 W Stanfield	10	1600MST			0	0	0	0	<b>Hail (0.75)</b>
<b>Maricopa</b>	10	2046MST			0	0	?	0	<b>Thunderstorm Winds</b>
Convective winds blew the roof off of a small building in the town of Maricopa.									
<b>Apache County</b> St. Johns	18	1440MST			0	0	0	0	<b>Thunderstorm Winds (G64)</b>
<b>Pima County</b> 5 N Tucson	18	1445MST			0	0	0	0	<b>Hail (0.75)</b>
<b>Cochise County</b> Elfrida	18	1630MST			0	0	?	0	<b>Flash Flood</b>
Radar estimates of two to three inches of rain were verified by a motorist that indicated the highway was covered by water at all low spots with some minor erosion of the shoulder where water was flowing rapidly.									
<b>Cochise County</b> 8 E Sierra Vista	18	1815MST			0	0	0	0	<b>Thunderstorm Winds (G73)</b>
Downburst winds from a thunderstorm were measured by a remote wind sensor.									
<b>Yavapai County</b> Wagoner	27	2105MST			0	0	?	0	<b>Thunderstorm Winds</b>
A microburst completely ripped a roof off a house.									
<b>Yavapai County</b> Prescott	27	2150MST			0	0	0	0	<b>Hail (.75)</b>
Dime-size hail covered the ground 1.5 inches deep and was accompanied by heavy rain.									
<b>Maricopa County</b> Chandler	27	2300MST			0	0	0	0	<b>Thunderstorm Winds (G70)</b>
An automated weather station recorded an 82 mph thunderstorm gust.									
<b>Maricopa County</b> Queen Creek	27	2300MST			0	0	.1M	?	<b>Hail (1.75)</b>
<b>Queen Creek</b>	27	2300MST			0	0	?	?	<b>Thunderstorm Winds</b>
A wet microburst hit the town of Queen Creek. A tree was blown over onto a house. A large potato storage shed was destroyed. Wood and metal from the shed along with hail were blown into 12 nearby school buses damaging them all. An office roof was torn off at Queen Creek High School. The high school also had four other roofs and numerous air conditioning units damaged as well as broken windows. An estimated 4,000 to 6,000 acres of cotton in nearby fields were destroyed by wind and hail.									
<b>Pima County</b> Aravica	28	0010MST			0	0	?	0	<b>Hail (2.75)</b>
A rare nocturnal thunderstorm complex moved north-northeast into southern Arizona near midnight bringing a series of very strong individual storms. The complex lasted into the mid-morning hours as it moved through the southeast half of Arizona. The hail in Aravica broke some windows in homes.									
<b>Yavapai County</b> Mayer	28	0050MST			0	0	?	?	<b>Hail (4.50)</b>
<b>ARIZONA Cont'd</b>									
<b>Mayer</b> Dewey	28	0058MST			0	0	?	?	<b>Hail (1.50)</b>
	28	0100MST			0	0	?	?	<b>Thunderstorm Winds</b>
A poultry barn was destroyed killing 500 turkeys inside. Numerous trees were stripped of leaves and branches. Many birds were killed. Many south-facing windows were broken. A large motel sign was damaged and nearly toppled. A large commercial trash dumpster was moved over 50 yards. A spotter in the area estimated wind gusts to be 75 mph.									
<b>Maricopa County</b> Chandler	28	0124MST			0	0	?	0	<b>Thunderstorm Winds</b>
Power poles were knocked over near Williams Gateway Airport.									
<b>Pima County</b> 8 N Tucson	28	0135MST			0	0	?	0	<b>Thunderstorm Winds (G52)</b>
As the gust front moved through the Tucson area, power was knocked out at many south side locations.									

# Storm Data and Unusual Weather Phenomena

September 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>Cochise County</b> <b>Fort Huachuca</b>	28	0150MST			0	0	0	0	<b>Hail (1.50)</b> A thunderstorm which was part of the complex moving through southeast Arizona brought large hail and heavy rain.
<b>Maricopa County</b> <b>Gilbert</b>	28	0215MST			0	0	?	0	<b>Lightning</b> Lightning struck a house causing roof damage. It also sent an electrical surge through the house knocking phones off the walls, setting fire to a television set, and displacing miscellaneous objects in the house.
<b>Maricopa County</b> <b>Phoenix</b>	28	0220MST			0	0	0	0	<b>Hail (0.75)</b> A thunderstorm produced the hail in the Ahwatukee area of Phoenix.
<b>Maricopa County</b> <b>Scottsdale</b>	28	0225MST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Scottsdale</b>	28	0300MST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Scottsdale</b>	28	0300MST			0	0	0	0	<b>Flash Flood</b> Strong winds downed small and medium-sized trees as well as street signs. Heavy rain accompanied the winds in south Scottsdale. Thunderstorm winds blew over a tree which crashed onto roof of an apartment and damaged part of the ceiling. Wind blew over hundreds of trees in the downtown area and snapped several power poles. More than two inches of rain fell flooding streets and homes and filled Indian Bend Wash.
<b>Maricopa County</b> <b>Chandler</b>	28	0230MST			0	0	1.5K	0	<b>Thunderstorm Winds</b> An 80-foot tree crashed into a mobile home bedroom. Numerous reports of downed trees in the area.
<b>Cochise County</b> <b>Willcox</b>	28	0330MST			0	0	0	0	<b>Hail (0.75)</b>
<b>Willcox</b>	28	0330MST			0	0	.1M	0	<b>Thunderstorm Winds (G56)</b> A strong thunderstorm in the area brought heavy rain and hail. The hail covered the ground up to two inches deep. Hail remained on the ground six hours after the storm had ended. Some minor roof damage occurred as a result of the wind. Two large tractor-semitrailers were blown off of Interstate 10 in the Willcox area.
<b>Maricopa County</b> <b>Scottsdale</b>	28	0359MST			0	0	0	0	<b>Hail (0.75)</b>
<b>ARKANSAS, Central and North Central</b>									
<b>Jefferson County</b> <b>Cornerstone</b>	16	1515CST			0	0	0	0	<b>Hail (0.75)</b>
<b>Union County</b> <b>5 SW El Dorado</b>	19	1527CST			0	0	2K	0	<b>Thunderstorm Winds</b> Thunderstorm winds blew a tree onto an outbuilding.
<b>ARKANSAS, Northwestern</b>									
<b>Benton County</b> <b>2 S Lowell</b>	30	1830CST			0	1	3.5M	?	<b>Thunderstorm Winds</b>
<b>Washington County</b> <b>Elm Springs</b>	30	1900CST			0	0	?	?	<b>Thunderstorm Winds</b> An isolated severe thunderstorm moved across southern Benton County and northern Washington County during the early evening of September 30th. A microburst occurred in the Apple Meadow subdivision near Apple Blossom and Old Wire roads in the community of Bethel Heights, which is two miles south of Lowell. Nearly every home in the subdivision sustained some damage, and three homes were totally destroyed and three others sustained major damage. One minor injury occurred when a ceiling caved in on the person. Numerous trees and power lines were also blown down in Bethel Heights. Damage in Bethel Heights was estimated at \$3.5 million. Trees were also blown down by strong thunderstorm winds in Elm Springs.
<b>ARKANSAS, Eastern</b>									
None reported.									
<b>ARKANSAS, Southeast</b>									
No reports.									
<b>ARKANSAS, Southwest</b>									
<b>Union County</b> <b>5 SW El Dorado</b>	19	1527CST			0	0	2K	0	<b>Thunderstorm Winds</b> Thunderstorm winds blew a tree onto an out-building.
<b>Nacogdoches County</b> <b>11 SW Nacogdoches</b>	05	0835CST	.50	17	0	0	1K	0	<b>Tornado (F0)</b> A tornado touched down briefly as reported by two eye witnesses. The tornado did damage to a door, windows and shutters of one house but did most of its damage to trees in the area.
<b>Angelina County</b> <b>Lufkin</b>	19	2100CST-2200CST			0	0	0	0	<b>Flood</b> Reports of several streets in the city were closed due to high water.
<b>Nacogdoches County</b> <b>10 SE Nacogdoches</b>	19	2100CST-2200CST			0	0	0	0	<b>Flood</b>

# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
High water caused the closure of Farm to Market Road 226 between Woden and Etoile.									
<b>CALIFORNIA, Northwest</b>									
CAZ001- Northwest California	22	1200			0	0	?	0	Heavy Surf
	A boat was washed up on rocks near the mouth of the Noyo River by 14 foot breakers.								
<b>CALIFORNIA, South Central</b>									
	None reported.								
<b>CALIFORNIA, West South Central</b>									
Riverside County San Jacinto State Park	02	1300PDT- 1500PDT			0	0	0	0	Flash Flood
	Thunderstorms produced heavy showers which caused flash flooding in parts of the San Jacinto Mountains. Rushing flood waters wiped out many trails in the State Park.								
San Bernardino County San Bernardino	02	1400PDT			0	0	?	0	Microburst (G50)
	Thunderstorms produced a microburst which blew down trees, and caused a power outage in the city.								
<b>COLORADO, Eastern</b>									
Cheyenne County 6 NE Cheyenne Wells 8 NE Cheyenne Wells	18	1358MST 1403MST	2.5	20	0	0	?	?	Tornado (F0)
	Tornado observed moving northeast over open country.								
Northeast Colorado County COZ090	20 21	1500MST- 0300MST			0	0	5K	5M	Heavy Snow
	Heavy snow up to 10 inches snapped treebranches and power lines, and caused extensive damage to immature crops. Snow amounts included 10 inches at Joes and Idalia and 7 inches at Bonny Reservoir.								
<b>COLORADO, Western</b>									
Denver County Aurora	01	1930MST			0	0	?	?	Thunderstorm Winds
Logan County Padroni	02	Afternoon			0	0	?	?	Thunderstorm Winds (G52)
Jefferson County Lakewood	04	Evening			0	2	4.5K	0	Lightning
	Two people were injured when lightning struck their home. The lightning entered in the attic where it sparked a small fire. It then travelled through the walls exploding a mirror and sprayed glass on the residents.								
Arapaho County Bennett	04	2100MST			0	0	?	?	Lightning
	Lightning sparked some small grassfires near Bennett.								
Adams County Aurora	04	Evening			0	0	?	?	Lightning
Denver International Airport (DIA)	04	Evening			0	0	?	?	Lightning
	Lightning also triggered small grassfires near Aurora and DIA.								
<b>COLORADO, Western Cont'd</b>									
Jefferson County Coal Creek	06	1440MST			0	0	?	?	Hail (0.75)
Morgan County Hoyt	08	1800MST			1	1	0	0	Lightning
	One hunter was killed and another injured when lightning struck the shotgun the man was carrying while they stood under a tree. M33OU								
Chaffee County Mount Princeton	10	Unknown			1	0	0	0	Lightning
	A woman was struck and killed by lightning while hiking near the summit of 14,197-foot Mount Princeton. F29OU								
Pueblo County 10 NW Pueblo	10	1752 MST			0	0	0	0	Hail (0.75)
Jefferson County Denver	11	Morning			0	0	?	0	Strong Winds
	Strong thunderstorm winds estimated to be in excess of 50 mph knocked down power poles and trees as a fast moving pacific cold front moved through the Denver metropolitan area. Numerous power outages affected nearly one thousand people.								
Pueblo County 10 NW Pueblo	11	1320 MST			0	0	0	0	Hail (0.75)
Pueblo County 10 NW Pueblo	11	1326 MST			0	0	0	0	Hail (0.75)
Washington County 3 E Hyde	17	1722MST	Short	Narrow	0	0	?	?	Tornado (F0)

# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
A small tornado downed several trees and destroyed a satellite dish.									
<b>COZ031-035-036-038-039-043</b> Northeast Plains Front Range Foothills Palmer Divide	20	1500MST-0300MST			0	0	?	?	<b>Heavy Snow</b>
A vigorous late summer storm system brought the season's first heavy snow to portions of Northeast Colorado behind a cold front that moved into the area. Millions of trees were damaged and power lines downed as four to eight inches of heavy wet snow settled on fully leafed trees in the Boulder, Denver, Greeley, Fort Collins and Loveland areas extending west into the Front Range Foothills, south to the Palmer Divide area and east into the plains. Branches snapped and trees split under the weight of heavy snow downing power lines. Firefighters responded to numerous transformer fires. Approximately 100,000 people were left without electricity in the Denver and Boulder areas alone. It took over a week to fully restore power to some areas. Claims were estimated to be around \$6 million to homes in the Denver area and about \$500 thousand in damage to insured automobiles. These figures were expected to climb with claims still being filed. It was estimated that approximately 80 percent of \$12 million worth of the city owned trees in Denver were damaged. Although most snowfall amounts generally ranged from four to eight inches, some of the more impressive snowfall totals included, 17.3 inches (1E Buckhorn Mountain), 14.0 inches (9WSW Rustic), 13.0 inches (Red Feather Lakes), 11.2 inches (9NW Livermore), and 9.0 inches (3S Woodrow).									
<b>Arapaho County</b> <b>Aurora</b>	29	Evening			0	2	0	0	<b>Lightning</b>
Lightning struck couple as they were walking in the rain. The bolt struck the umbrella the man was carrying injuring both he and his wife.									
<b>CONNECTICUT, Northeastern</b>									
None reported.									
<b>DELAWARE</b>									
<b>Dezall</b>		<b>Month Long</b>			0	0	?	?	<b>Drought</b>
A drought, which entered its 13th month across most of Delaware, exacted its toll on residents in the northern parts of the state and farmers in central and southern regions. In Northern New Castle County the just concluded September 1994-August 1995 period had the greatest precipitation deficiency since 1966. The Brandywine Creek, a source of water for Northern Delaware, was at its lowest stage since 1946. The growing season drought in Kent and Sussex Counties was described as the worst one in the state in 101 years. On Monday September 4th Delaware Governor Caper declared for the first time a drought emergency for all areas above the Chesapeake and Delaware Canal. It did not become law until after a September 11th public hearing. Several water providers along with the cities of Wilmington and Newark imposed mandatory restrictions as of September 4th. On September 15th, the Delaware River Basin Commission declared a drought warning in its 13,539 square mile, 7 million people drainage area. This called for voluntary water conservation. The second half of September saw a return of closer to normal precipitation across the state, especially in Kent County. But, it was too late to help salvage the crop damage done. Hardest hit were soybeans and unirrigated lima bean fields. Statewide the corn yield averaged 105 bushels per acre, down from the 125 bushels per acre of 1994. Soybean yields of 20 bushels per acre were 38% below the five year average. Hay yields suffered a 31% reduction from 1994, averaging 2.82 tons per acre.									
<b>FLORIDA, Northeastern</b>									
<b>Duval County</b> <b>2 E Neptune Beach</b>									
<b>FLORIDA, Northeastern Cont'd</b>									
<b>4 ENE Neptune Beach</b>	05	0329EST-0345EST	2	5	0	0	0	0	<b>Waterspout</b>
<b>St. Johns County</b>	05 06	0400EST-2330EST	0	0	0	0	300K	0	<b>Flood</b>
Widespread flooding occurred over the entire county. More than five and one-half inches of rainfall fell in 24 hours on the northside of St. Augustine on the 5th. With numerous secondary roads and streets closed, school was canceled at 15 of 3 schools.									
<b>Flagler County</b>	05 06	1615EST-2330EST			0	0	25K	0	<b>Flood</b>
Widespread flooding occurred over the entire county. Roads closed included Haw Creek and Dupont Grade.									
<b>Putnam County</b> <b>San Mateo</b>	09	1545EST			1	0	0	0	<b>Lightning</b>
A man boating on the St. Johns River near San Mateo was struck by lightning. M??BO									
<b>St. Johns County</b> <b>Riverdale</b>	09	1511EST			0	0	0	0	<b>Hail (0.75)</b>
Dime-size hail.									
<b>Putnam County</b> <b>10 S Palatka</b>	09	1600EST			1	0	0	0	<b>Lightning</b>
A man suffered a direct hit aboard a pontoon boat on Dunns Creek. M52BO									
<b>St Johns County</b> <b>5 E St. Augustine</b> <b>5.5 NE St. Augustine</b>	11	1805EST	0.5	4	0	0	0	0	<b>Waterspout</b>
<b>Duval County</b> <b>Jacksonville Beach</b>	11	1530EST			1	0	0	0	<b>Rip Current</b>
Victim was from out-of-state. M39IW									

# Storm Data and Unusual Weather Phenomena

September 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>Duval County</b> <b>1 E Mill Cove</b> <b>Mill Cove</b>	<b>11</b>	<b>1620EST-1630EST</b>	<b>0.5</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Tornado(F0)</b> Debris and power lines blocked traffic on Merrill Road.
<b>Duval County</b> <b>Jacksonville</b>	<b>14</b>	<b>1814EST</b>			<b>0</b>	<b>0</b>	<b>18K</b>	<b>0</b>	<b>Thunderstorm Winds (G64)</b> Winds gusted to 64 knots at the Jacksonville International Airport. Trees were uprooted on Old St. Augustine Road. JEA reported more than 20,000 customers lost power during the storm, with most of the outages on the south and west sides of Jacksonville.
<b>Duval County</b> <b>Jacksonville</b>	<b>14</b>	<b>1855EST</b>			<b>0</b>	<b>0</b>	<b>4K</b>	<b>0</b>	<b>Flood</b> Flooding closed several street in the downtown area of Jacksonville, including Nomandy Boulevard and Yellow Water, and Bay Street.
<b>Duval County</b> <b>San Jose</b> <b>2 E San Jose</b>	<b>14</b>	<b>1821EST-1855EST</b>	<b>2</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>25K</b>	<b>0</b>	<b>Tornado(FO)</b> Tornado downed trees, damaged one home, and several autos atPoint Pleasant Road and San Jose; then moved east across a marsh just north of JT Butler Boulevard.
<b>Clay County</b> <b>Orange Park</b>	<b>14</b>	<b>1900EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Several reports of large trees and power lines blown down, across the northern portion of the county.
<b>Putnam County</b> <b>Palatka</b>	<b>14</b>	<b>2005EST</b>			<b>0</b>	<b>0</b>	<b>0.5K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Large trees uprooted in the downtown area.
<b>Duval County</b> <b>1 E Jacksonville</b> <b>Beach to 1.5NE</b> <b>Jacksonville Beach</b>	<b>14</b>	<b>1930EST-1940EST</b>	<b>0.5</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
<b>Duval County</b> <b>Jacksonville</b>	<b>14</b> <b>15</b>	<b>2115EST-0100EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Flood</b> The following streets were fboded: Detroit St., Huron St., 20th St. & United States-1, 2400 Block & Riverside Ave., Dennis St. & Stockton, Park St. & Edgewood Ave., Main St. area downtown, San Marco Blvd, Nira St. & Hendricks Ave., Mytle Ave. & Bay St.
<b>FLORIDA, Northeastern Cont'd</b>									
<b>Nassau County</b>	<b>14</b> <b>15</b>	<b>2100EST-0100EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Flood</b> Numerous streets and roads were underwater, mainly across the eastern portion of the county.
<b>Putnam County</b> <b>Palatka</b>	<b>14</b> <b>15</b>	<b>2020EST-0030EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Flood</b> Flooding mainly in the downtown area. SR-202/United States-17 closed.
<b>Glynn County</b> <b>Brunswick</b>	<b>14</b> <b>15</b>	<b>2015EST-0015EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Flood</b> Flooding reported mainly in the downtown area with numerous streets and roads barricaded. Intersections of L and Stonewall, and Bartow and Stonewall were closed.
<b>St. Johns County</b> <b>1 SE St. Augustine</b> <b>2 E St. Augustine</b>	<b>14</b>	<b>2012EST-2045EST</b>	<b>1.5</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
<b>Clay County</b> <b>Orange Park</b>	<b>15</b>	<b>1930EST</b>			<b>0</b>	<b>0</b>	<b>30K</b>	<b>0</b>	<b>Lightning</b> Lightning struck a house in the Eagle Harbor development of Flemming Island.
<b>St. Johns County</b> <b>Crescent Beach</b>	<b>17</b>	<b>1800EST</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b> Teenager was swimming with friends about 30 to 40 yards from shore. M16IW
<b>Baker County</b> <b>1 E Macclenny</b>	<b>23</b>	<b>1806EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b> Storm Spotter reported winds gusted to 50 knots on U.S. 90 east of Macclenny.
<b>Duval County</b> <b>Jacksonville Beach</b>	<b>23</b>	<b>2110EST-2200EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Flood</b> More than four inches of rain in less than three hours caused flooding in Jacksonville Beach. Numerous buildings along 3rd St. had eight to 12 inches of water for a brief period. Low tide helped the water to drain off quickly.
<b>St. Johns County</b>	<b>23</b>	<b>2000EST-2200EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>5K</b>	<b>Flood</b>



# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crops		Character of Storm
Widespread flooding closed numerous streets and county roads.									
<b>Duval County</b> 0.5 E Jacksonville Beach to 1 E Neptune Beach	29	1529EST- 1555EST	0.5	15	0	0	0	0	<b>Waterspout</b>
<b>FLORIDA, East Central</b>									
<b>Indian River County</b> 3 SE Sebastian Inlet	03	0855EST			0	0	0	0	<b>Waterspout</b>
Two waterspouts were sighted over the Atlantic southeast of Sebastian Inlet.									
<b>St. Lucie County</b> Ft. Pierce	07	1500EST- 1700EST			0	0	0	0	<b>Flash Flood</b>
Three to four inches of rain fell over eastern St. Lucie County producing widespread street flooding in and around Ft. Pierce. One home was flooded and a small bridge was washed out.									
<b>St. Lucie County</b> Hutchinson Island	07	1530EST			0	0	0	0	<b>Thunderstorm Winds</b>
A severe thunderstorm produced pea-size hail and blew part of a roof from a condominium on Hutchinson Island.									
<b>Brevard County</b> Mosquito Lagoon	08	1110EST			0	0	0	0	<b>Waterspout</b>
Kennedy Space Center personnel reported a waterspout over the southern part of Mosquito Lagoon.									
<b>Brevard County</b> Cape Canaveral Patrick Air Force Base	08	2100EST			0	0	0	0	<b>Coastal Flood</b>
High astronomical tides and heavy surf produced Hurricane Luis combined to produce minor coastal flooding and erosion of the dune line from Cape Canaveral to Patrick Air Force Base.									
<b>Brevard County</b> Port Canaveral	08	1550EST			0	0	0	0	<b>Thunderstorm Winds</b>
Air Force weather personnel reported winds gusting to 50 knots at Port Canaveral.									
<b>FLORIDA, East Central Cont'd</b>									
<b>Indian River County</b> E of Vero Beach	09	1509EST			0	0	0	0	<b>Waterspout</b>
Two waterspouts were sighted in the Atlantic east of Vero Beach.									
<b>Okeechobee County</b> Lake Okeechobee	17	2017EST			0	0	0	0	<b>Waterspout</b>
A waterspout was sighted over Lake Okeechobee south of the town of Okeechobee.									
<b>Volusia County</b> Daytona Beach	23	1435EST			1	1	0	0	<b>Lightning</b>
Two men were struck by a lone lightning bolt at Daytona Beach prior the onset of heavy rain. Both men were hospitalized in critical condition. One of the two, a 28-year-old tourist from Canada, died three days later.									
<b>FLORIDA, Southern</b>									
<b>Broward County</b> 13 W FLL	01	1115EST			0	2	0	0	<b>Lightning</b>
Two male construction workers were stunned by a lightning strike in the Weston Subdivision while working on a culvert. The strike hit a nearby backhoe, travelled down a cable and into a puddle in which the two were standing. Neither of the victims required hospitalization.									
<b>Collier County</b> 5 W Naples 25 SSW FMY	01	0940EST			0	0	0	0	<b>Waterspout</b>
A waterspout was sighted five miles offshore Naples Beach.									
<b>Monroe County</b> 5 N EYW	03	0559EST			0	0	0	0	<b>Waterspout</b>
National Weather Service observer sighted a waterspout five miles north of Key West International Airport. The waterspout lasted 14 minutes.									
<b>Monroe County</b> 20 ENE EYW	04	0625EST			0	0	0	0	<b>Waterspout</b>
The public reported a waterspout near Kemp Channel between Cudjoe and Summerland Keys.									
<b>Monroe County</b> 2 NE MTH	05	0555EST			0	0	0	0	<b>Waterspout</b>
Monroe County Sheriff's Office reported a waterspout two miles northeast of Marathon.									
<b>Monroe County</b> 5 EYW	05	0824EST			0	0	0	0	<b>Waterspout</b>
National Weather Service personnel sighted a waterspout five miles north of Key West International Airport. The waterspout lasted six minutes.									
<b>Monroe County</b> 1 SW EYW	05	1415EST			0	0	0	0	<b>Waterspout</b>

# Storm Data and Unusual Weather Phenomena

September 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
National Weather Service personnel sighted a waterspout one mile southwest of Key West International Airport. The waterspout lasted eight minutes.									
<b>Collier County</b> <b>North Naples</b> <b>19 S FMY</b>	<b>05</b>	<b>1650EST</b>			<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
Two males were killed and one male was injured while leaning against an automobile at a construction site for the Pelican Marsh development in North Naples during the height of a thunderstorm. Several individuals who were inside the vehicle were uninjured. M31OU, M24OU.									
<b>Palm Beach County</b> <b>Lake Worth Beach</b> <b>6 SE PBI</b>	<b>06</b>	<b>0625EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
A large waterspout was photographed just offshore Lake Worth Beach and moved slowly north for 15 minutes before dissipating.									
<b>Dade County</b> <b>Elliot Key</b> <b>25 S MIA</b>	<b>06</b>	<b>1442EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
The public reported two waterspouts near Elliot Key. The waterspouts drifted toward shore but dissipated before making landfall.									
<b>Monroe County</b> <b>3 NW EYW</b>	<b>07</b>	<b>1803EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
National Weather Service personnel sighted a waterspout three miles northwest of Key West International Airport. The waterspout lasted 14 minutes.									
<b>Dade County</b> <b>10 E MIA</b>	<b>09</b>	<b>1220EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
A waterspout was sighted over Biscayne Bay just offshore Fairchild Tropical Gardens.									
<b>Palm Beach County</b> <b>15 SE PBI</b>	<b>09</b>	<b>1314EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
<b>FLORIDA, Southern Cont'd</b>									
A funnel cloud was sighted 15 miles southeast of Palm Beach International Airport.									
<b>Palm Beach County</b> <b>13 E PBI</b>	<b>10</b>	<b>0636EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
A pilot reported a waterspout 13 miles east of Palm Beach International Airport.									
<b>Monroe County</b> <b>8 NW EYW</b>	<b>10</b>	<b>1901EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
National Weather Service personnel saw a waterspout eight miles northwest of Key West International Airport. The waterspout lasted seven minutes.									
<b>Hendry County</b> <b>6 W LaBelle</b> <b>24 E FMY</b>	<b>12</b>	<b>1515EST</b>	<b>Short</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>Tornado (F0)</b>
A brief, weak tornado touched down in the Double J mobile home park causing minor damage to one mobile home.									
<b>Glades County</b> <b>32 NE FMY</b>	<b>17</b>	<b>1720EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
A funnel cloud was sighted in southwest Glades County.									
<b>Dade County</b> <b>5 SW Homestead</b> <b>27 SSW MIA</b>	<b>20</b>	<b>1245EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
A funnel cloud was observed near U.S. 1, five miles southwest of Homestead Air Reserve Base.									
<b>Dade County</b> <b>1 E Miami Beach</b> <b>7 E MIA</b>	<b>22</b>	<b>0740EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
A waterspout was observed in the Atlantic just offshore Miami Beach.									
<b>Dade County</b> <b>2 E Miami Beach</b> <b>8 E MIA</b>	<b>25</b>	<b>0745EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
A waterspout was sighted in the Atlantic two miles offshore Miami Beach.									
<b>Monroe County</b> <b>7 WSW MTH</b>	<b>27</b>	<b>1000EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
The public reported a waterspout south of Bahia Honda.									
<b>Dade County</b> <b>S part</b>	<b>28</b>	<b>0900EST- 1700EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Urban Flood</b>
Five inches of rain fell over sections of south Dade County in the morning hours, causing street flooding throughout the day and relatively minor property damage.									
<b>Monroe County</b> <b>1 S Long Key</b> <b>9 E MTH</b>	<b>29</b>	<b>0655EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
Monroe County Emergency Management personnel saw a waterspout one mile south of Long Key.									
<b>Dade County</b> <b>1 E Miami Beach</b> <b>7 E MIA</b>	<b>29</b>	<b>1225EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
Miami Beach Beach Patrol reported a waterspout in the Atlantic just offshore Miami Beach.									





# Storm Data and Unusual Weather Phenomena

September 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>Griffin</b>	01	1720EST			0	0	2K	0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked several trees down on Jackson Road, Evree Inn road, and on Southtown Street.
<b>Jasper County</b>	01	1740EST			0	0	500	0	<b>Thunderstorm Winds</b>
<b>Shady Dale</b>	01	1740EST			0	0	?	?	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down several trees near Rock Eagle Road and Highway 142, and at Highway 87. Lightning started yard fires.
<b>Butts County</b>	01	1745EST			0	0	?	?	<b>Thunderstorm Winds</b> Thunderstorm winds blew lots of trees down on power lines. Some power poles were downed around the Jackson Lake area.
<b>GEORGIA, North and Central Cont'd</b>									
<b>Lamar County</b>	01	1800EST			0	0	?	?	<b>Thunderstorm Winds</b> Thunderstorm winds blew two trees down on Highway 36.
<b>Monroe County</b>	01	1830EST			0	0	?	?	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down a few trees.
<b>Bibb County</b>	01	1945EST			0	0	?	?	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down a few trees.
<b>Gwinnett County</b>	14	0930EST			0	0	20K	0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down a wall at a construction site. The fallen wall caused a chain reaction of walls.
<b>Oconee County</b>	14	0030EST			0	0	100K	0	<b>Lightning</b> Lightning struck the steeple of a 196-year-old Baptist Church, a fire started minutes later. Much of the church, the sanctuary and Sunday school areas were reduced to cinders within hours.
<b>Richmond County</b>	24	0630EST- 2100EST			0	0	100K	0	<b>Flash Flood</b> Rainfall of nearly 10 inches in some areas near Augusta caused flooding. About 50 families were evacuated. Some reported up to three feet of water in their homes. A pond behind a mobile home park flooded, sweeping a home off of its foundation and damaging several others. At least 40 roads were closed and some will require repairs.
<b>GEORGIA, Lower</b>									
<b>Camden County</b>	06	1040EST- 1050EST	1.5	5	0	0	0	0	<b>Waterspout</b>
<b>Camden County</b>	23	2015EST- 2300EST			0	0	1K	0	<b>Flood</b> Flooding closed U.S. 40.
<b>Camden County</b>	27	1530EST			1	0	0	0	<b>Lightning</b> Man was fatally struck while in a small boat just off Cumberland Island. M31BO
<b>GEORGIA, Southwest</b>									
									None reported.
<b>GEORGIA, West Central</b>									
									None reported.
<b>IDAHO, Southwestern</b>									
<b>Bannock County</b>	02	1250MST- 1330MST			0	0	0	0	<b>Hail (0.75)</b>
<b>Bingham County</b>	02	1330MST- 1400MST			0	0	0	0	<b>Hail (0.75)</b>
<b>Butte County</b>	02	1410MST- 02 1500MST			0	0	0	0	<b>Hail (0.75)</b> Thunderstorms in southeastern Idaho produced hail in Bingham, Butte, and Bannock Counties.
<b>Caribou County</b>	03	1000MST- 1100MST			0	0	0	0	<b>Lightning</b> At Soda Springs, lightning struck phone cables causing sporadic telephone outages.
<b>Gooding County</b>	03	1700MST- 1800MST			0	0	3	0	<b>High Winds</b>
<b>Ada County</b>									



# Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
September 1995									
<b>ILLINOIS, Northeast</b>	None reported.								
<b>ILLINOIS, Southern</b>	None reported.								
Southern ILZ075-080- 081-082-084> 094	24	0300EST- 0700EST			0	?	?	?	Frost
	An early frost caused some minor damage to crops and gardens. Since most corn and soybeans were harvested, and because shelter-level temperatures stayed above freezing in some areas, financial losses were generally not severe.								
<b>ILLINOIS, Southwestern</b>	None reported.								
<b>ILLINOIS, Northwest</b>	None reported.								
<b>INDIANA, Central</b>	None reported.								
Carroll County Sharon	13	1700EST			0	0	1K	0	Thunderstorm Winds
	Trees were downed near Sharon.								
<b>INDIANA, Northwest</b>	None reported.								
<b>INDIANA, Southeast</b>	None reported.								
<b>INDIANA, South Central</b>	None reported.								
<b>IOWA, Central</b>	None reported.								
Butler County Austinville	06	0641CST			0	0	3K	0	Hail (0.75)
Applington	06	0650CST			0	0	10K	2K	Hail (1.75)
Applington	06	0650CST			0	0	25K	3K	Thunderstorm Winds (G50+)
	Thunderstorms formed during the night ahead of a slow moving Pacific cold front. They moved into northeast Iowa during the predawn hours. Though many were not severe, one storm did produce hail over Butler County. Three quarter-inch diameter hail fell in the Austinville area, with golf ball-size hail reported at Applington. High winds in the Applington area also downed numerous trees and power lines as well.								
Cerro Gordo County Clear Lake	06	1815CST			0	0	5K	0	Hail (0.75)
Mitchell County New Haven	06	1900CST			0	0	10K	5K	Hail (1.75)
Howard County Cresco	06	1915CST			0	0	5K	0	Hail (1.00)
	Two frontal systems were moving southeast across the central United States. The first cold front was Pacific in origin and was quite weak. A much stronger cold front dropped southeast from Canada and entered Iowa during the afternoon. The air mass was capped in the mid levels. CAPE values were in the 2000-3000 J-kg range ahead of the Canadian cold front. Surface dew point temperatures in the lower 70s F. Strong thunderstorms developed over north central Iowa and moved into the northeast counties. They produced brief heavy rainfall and gusty winds for the most part. A few storms produced hail during the early evening hours as colder air moved in aloft. Three-quarter-inch diameter hail fell in several locations over northeast Iowa. Golf ball-size hail fell in a few locations. Both Applington, in Butler County, and New Haven, in Mitchell County, reported golf ball-size hail.								
IAZ004>-011-015>019- 023>030-033>039-044> 050-057>062-070>075- 081>086-092>097	21 22	2300CST- 0800CST			0	0	0	.2B	Freeze
Much of Iowa	A strong cold front pushed south across Iowa bringing with it one of the earliest freezes on record. Coupled with the fact that crop maturation was behind schedule, significant freeze damage occurred. Temperatures dipped to as low as 24 F. (-5° C.) over the northwest counties and to the freezing point over the southeast. These temperatures were combined with a five to 10 knot wind and lasted for up to eight hours in the northwest and about three hours over the southeast. The soybeans were hardest hit with approximately \$30 million bushels lost. The corn crop was not as badly damaged as drought from the previous month had already done significant damage to the crop. In dollar amounts, damage to the soybeans was around \$195 million, while the corn suffered about a \$9 million loss.								
Cerro Gordo County Clear Lake	24	1530CST			1	3	0	0	Lightning
	Thunderstorms developed during the afternoon hours. Though not severe, one death and three injuries were caused by								
<b>IOWA, Central Cont'd</b>									

# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
lightning. A 44-year-old man from Mason City was in an aluminum boat, holding a fishing pole when he was struck and killed by a bolt of lightning. Two men in the boat with him were injured, a man in another boat was also injured after the jolt travelled through the water. Two of the men were treated and released. The other was admitted to the hospital in good condition. M44BO									
<b>IOWA, Northwest</b>									
<b>Sioux County</b>									
Irton	29	2100CST			0	0	.02M	0	Thunderstorm Winds (G60)
Thunderstorm winds caused tree damage, and damaged a house when a large tree was blown over onto it.									
<b>IOWA, East Central and Southeast</b>									
<b>Cedar County</b>									
2 W Lowden	30	1720CST			0	0	0	0	Hail (0.75)
Thunderstorms produced a brief period of dime-size hail during this event. No property or crop damage was reported.									
<b>KANSAS, Northeastern</b>									
<b>KSZ025-102&gt;105</b>									
<b>Extreme Northeast Kansas East-Central Kansas</b>									
	22	0600CST			0	0	0	0	Freeze
Early season freezing temperatures combined with major Spring flooding allowed for one of the shortest growing seasons on record. The extent of crop damage is unknown since temperatures were only below freezing for less than two hours.									
<b>KANSAS, Eastern</b>									
<b>Douglas County</b>									
5 W Lawrence	06	1425CST			0	2	?	?	Lightning
Lightning struck near two parked trucks at a rock quarry west of Lawrence slightly injuring two men operating the vehicles. The men were hospitalized overnight for observation after being knocked to the ground by the nearby strike.									
<b>NORTHEAST AND NORTHCENTRAL KANSAS</b>									
<b>KSZ008&gt;012-020&gt;024-026-034&gt;040-054&gt;056-058-059</b>									
	22	0200CST-0800CST			0	0	25M	?	Extreme Cold
The earliest freeze on record hit most of northcentral and northeast Kansas causing widespread and heavy damage to immature crops. Temperatures dropped as low as the mid 20s, especially near the Nebraska border, and persisted from three to six hours. Total dollar damage amounts are estimated based on reports from a few counties. Some low temperatures included: 26 deg at Glasco and Manhattan, 27 deg at Emmett, Frankfort and Courtland, 30 deg at John Redmond Lake, Minneapolis, Clinton Lake and Garnett to 36 deg at Milford Lake. Most readings were between 26 and 31 degrees.									
<b>KANSAS, Southeastern</b>									
<b>Butler County</b>									
	21	0200CST-0600CST			0	0	?	?	Damaging Freeze
Over 46,000 acres were affected by the freezing temperatures. The crops percent of yield losses were approximately 20 percent to grain sorghum and soybeans.									
<b>Rice County</b>									
Reno County	22	0200CST-0600CST			0	0	?	?	Damaging Freeze
Over 140,000 acres were affected by the freezing temperatures. Extensive damage was noted to the following crops, however, the percent yield of losses were unknown; corn, grain sorghum, soybeans, sunflowers, alfalfa, forage sorghum, and upland cotton.									
<b>Reno County</b>									
Plevna	29	2210CST			0	0	0	0	Thunderstorm Winds (G60)
<b>Reno County</b>									
Pretty Prairie	29	2258CST			0	0	0	0	Thunderstorm Winds (G80)
<b>Reno County</b>									
Pleasantview	29	2259CST			0	0	200K	0	Thunderstorm Winds
The high winds twisted the framework of the Stutzman Greenhouse on Highway K-61.									
<b>Reno County</b>									
Pretty Prairie	29	2329CST			0	0	6K	0	Thunderstorm Winds
The high winds blew the front porch off of a house.									
<b>Harvey County</b>									
Burton	29	2345CST			0	0	0	0	Thunderstorm Winds (G60)
<b>Reno County</b>									
Hutchinson	29	2353CST			0	0	0	0	Thunderstorm Winds (G60)
<b>KANSAS, Southwestern</b>									
<b>Ness County</b>									
14 SW Ness City	11	1659CST			0	0	0	0	Hail 0.75
<b>Hodgeman County</b>									
11 N Jetmore	11	1725CST			0	0	0	0	Hail (0.88)
11 N Jetmore	11	1725CST			0	0	?	?	Thunderstorm Winds (G80)
Several telephone poles were snapped in two.									



# Storm Data and Unusual Weather Phenomena

September 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>Finney County</b>									
17 ENE Garden City	11	1730CST			0	0	0	0	Thunderstorm Winds (G52)
Kalvesta	11	1750CST			0	0	0	0	Thunderstorm Winds (G52)
			Tree limbs blown down.						
<b>Lane County</b>									
6 WSW Dighton	11	1745CST			0	0	0	0	Thunderstorm Winds (G61)
<b>Ness County</b>									
20 SW Ness City	11	1750CST			0	0	0	0	Hail (0.75)
<b>Trego County</b>									
11 SSE Collyer	11	1750CST			0	0	0	0	Hail (0.75)
<b>Haskell County</b>									
Satanta	11	1815CST			0	0	0	0	Hail (0.75)
<b>Hodgeman County</b>									
Jetmore	11	1820CST			0	0	0	0	Thunderstorm Winds (G52)
<b>Stevens County</b>									
Moscow	11	1825CST			0	0	0	0	Hail (0.75)
<b>Ford County</b>									
1 NW Dodge City	11	1830CST			0	0	0	0	Thunderstorm Winds (G61)
			Tree limbs were knocked down.						
<b>Dodge City</b>									
Dodge City	11	1845CST			0	0	0	0	Thunderstorm Winds (G52)
<b>Rush County</b>									
10 E LaCrosse	11	1840CST			0	0	0	0	Hail (0.75)
<b>Pawnee County</b>									
4 E Rozel	11	1845CST			0	0	0	0	Thunderstorm Damage
			Six inch diameter tree limbs broken.						
<b>Clark County</b>									
11 NE Ashland	11	2000CST			0	0	0	0	Hail (1.00)
12 NE Ashland	11	2006CST			0	0	0	0	Hail (0.75)
<b>Comanche County</b>									
Coldwater	11	2030CST			0	0	?	?	Hail (1.25)
2 N Coldwater	11	2033CST			0	0	0	0	Hail (0.75)
<b>Barber County</b>									
8 WNW Hardtner	11	2100CST			0	0	?	?	Hail (1.50)
8 WNW Hardtner	11	2100CST			0	0	0	0	Thunderstorm Winds (G61)
<b>Trego County</b>									
4 NW Wakeeney	18	1700CST			0	0	0	0	Hail (1.00)
5 NW Wakeeney	18	1755CST			0	0	0	0	Hail (1.00)
5 NW Wakeeney	18	1755CST			0	0	0	0	Flood
			Water was standing everywhere.						
<b>5 NW Wakeeney</b>									
	18	1915CST			0	0	?	?	Flood
			Five to seven inches of rain in several hours caused flooding of numerous roads in the area.						
<b>KSZ030-031-043&gt;046-061&gt;065-074&gt;079-084&gt;088</b>									
	21	0800CST-1700CST			0	0	1K	10K	Snow
			Earliest snow on record across the area with two to three inches common. Lane County reported six inches. Measureable snow had never been recorded for so early in the fall (actually, late in the summer)						
<b>Pratt County</b>									
2 N Pratt	29	unknown			0	0	25K	0	Wind Damage
			High wind demolished an unoccupied mobile home.						
<b>KANSAS, Northwestern</b>									
<b>Thomas County</b>									
9 NNW	11	1740CST			0	0	?	?	Hail (0.88)
<b>Rawlins County</b>									
5 SW Herndon	11	1745CST			0	0	?	?	Hail (1.00)
<b>Decatur County</b>									
2 W Traer	11	1800CST			0	0	?	?	Hail (0.88)
<b>Graham County</b>									
Hill City									
Airport	18	1838CST			0	0	?	?	Thunderstorm Winds (G52)
<b>KANSAS County</b>									
<b>NORTHWESTK</b>									
<b>KANSAS, Northwestern Cont'd</b>									
<b>SZ001&gt;003-013-014-028</b>									
	20	1600CST-							
	21	0400CST			0	0	5K	50M	Heavy Snow
			Heavy snow of six to 12 inches snapped trees, power lines, and caused extensive damage to immature crops. Snow amounts included McDonak 12 inches, Herndon and 8 NW St. Francis 10 inches, Dresden, Goodland, Rexford, and Oakley six inches. The snowfall was the heaviest on record for September and for so early in the season at Goodland.						
<b>Rawlins County</b>									
9 SW Beardsley	29	1707CST			0	0	?	?	Thunderstorm Winds (G52)
			Thunderstorm winds estimated at 60 mph broke several tree to four inch diameter branches and moved a 100 pound picnic table 20 feet. pea-size hail accompanied the strong winds.						

# Storm Data and Unusual Weather Phenomena

September 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>KANSAS, North Central</b>									
<b>Rooks County</b>									
1 W Stockton	11	1903CST			0	0	0	0	Hail (0.75)
<b>Phillips County</b>									
7 W Kirwin	11	1925CST			0	0	0	0	Hail (0.75)
2 E Logan	11	1948CST	.2	25	0	0	0	0	Tornado (F0)
2 E Logan	11	1948CST			0	0	0	5K	Hail (1.00)
<b>Smith County</b>									
Athol	11	1957CST			0	0	0	0	Hail (1.00)
2 S Lebanon	11	2037CST			0	0	0	5K	Hail (1.00)
<b>Jewell County</b>									
Esbon	11	2045CST			0	0	0	0	Hail (0.75)
Severe thunderstorms dropped large hail over northern Kansas. A small tornado touched down briefly east of Logan.									
<b>Phillips County</b>									
3 W Phillipsburg	18	1904CST			0	0	0	5K	Hail (1.00)
<b>Osborne County</b>									
Downs	29	2118CST			0	0	0	0	Hail (1.75)
<b>Jewell County</b>									
Ionia	29	2130CST			0	0	0	0	Hail (0.75)
<b>KENTUCKY, Northern</b>									
None reported.									
<b>KENTUCKY, Northeast</b>									
<b>KYZ101-102-103-104-105-107-119</b>	<b>01-21</b>				0	0	0	?	<b>Drought</b>
Drought conditions reached their peak during the second week of the month. Hot summer weather had dried up much of the surface water in small streams. Welcome rains on the 16th and the 22nd improved the surface water flow greatly.									
<b>KENTUCKY, Central</b>									
<b>Hardin County</b>									
Elizabethtown	01	0500EDT			?	?	?	?	<b>Thunderstorm winds</b>
Several trees and power lines were downed by thunderstorm winds.									
<b>Garrard County</b>									
Lancaster	01	0619EDT			?	?	?	18K	<b>Lightning</b>
Lightning ignited a fire at a tobacco barn at a farm on Kennedy Bridge Road. About four acres of tobacco were lost.									
<b>Pulaski County</b>									
Somerset	01	0945EDT			?	?	?	?	<b>Thunderstorm Winds</b>
Several trees and power lines were downed by thunderstorm winds in a narrow band from south Somerset to Ferguson.									
<b>Pulaski County</b>									
Somerset	01	0945EDT			?	1	?	?	<b>Lightning</b>
A 27-year-old man was struck by lightning next to the Big Blue Deli Restaurant. He was taken to Lake Cumberland Regional Hospital where he was treated and released.									
<b>KENTUCKY, Southwestern</b>									
<b>Western KYZ001&gt;013</b>	<b>24</b>	<b>0300EST-0700EST</b>			0	?	?	?	<b>Frost</b>
An early frost caused some minor damage to crops and gardens. Much of the corn and soybean crop was already harvested, so financial losses were not extreme. Where it occurred, the frost was light. Some areas escaped the frost entirely.									
<b>LOUISIANA, Northwest</b>									
<b>Ouachita Parish</b>									
Monroe	19	1757CST			0	0	0	0	<b>Thunderstorm Winds</b>
Numerous trees blown down by high winds.									
<b>Luna</b>									
	19	1820CST			0	0	2K	0	<b>Hail (1.75)</b>
A single car was reported damaged by hail in town.									
<b>LOUISIANA, Northwest Cont'd</b>									
<b>Caldwell Parish</b>									
Columbia	19	1900CST			0	0	0	0	<b>Thunderstorm Winds (G57)</b>
Thunderstorms produced wind gusts to 57 mph which downed several oak limbs causing power outages.									
<b>LOUISIANA, Northeast</b>									
None reported.									
<b>LOUISIANA, Southeast</b>									
None reported.									
<b>LOUISIANA, Southwest</b>									
<b>St Mary Parish</b>									
Bayou Vista	05	1900CST			0	0	15K	0	<b>Thunderstorm Winds</b>
Pine tree fell on a mobile home causing heavy damage.									

# Storm Data and Unusual Weather Phenomena

September 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>Vernon Parish</b> Leesville	21	1430CST			0	0	0	0	<b>Thunderstorm Winds</b> Tree blown down on Highway 8 on the west side of Leesville.
<b>Beauregard Parish</b> Ragley	21	1459CST			0	0	0	0	<b>Hail (0.75)</b>
<b>MAINE</b>									
<b>Penobscot County</b> Bangor	14	1330EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>York County</b> Eliot	14	1345EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Cumberland County</b> Freeport	14	1400EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Merepoint</b>	14	1410EST			0	0	?	0	<b>Thunderstorm Winds (G63)</b> Thunderstorms ahead of a fast-moving cold front produced damaging winds which downed trees and power lines, resulting in scattered power outages. Measured wind gusts up to 72 mph overturned boats at Merepoint. Other locations in southern and central Maine experienced power outages from limbs or a single tree blown onto power lines.
<b>MARYLAND, Northeast</b>									
<b>MDZ008-012-015-019-020</b>	<b>Month Long</b>				0	0	?	?	<b>Drought</b> A drought, which entered its 13th month across most of Maryland, exacted its toll on farmers across the eastern shore. Although precipitation returned to normal in the second half of the month, it was too late to salvage crops, especially soybeans. Normal soybean yields are 36 bushels per acre. In 1995 yields were 17 bushels per acre in Cecil County, 24 bushels per acre in Kent County, 11 bushels per acre in Queen Anne's County, 13 bushels per acre in Caroline County and 26 bushels per acre in Talbot County. Normal corn yield is 118 bushels per acre. In 1995 yields were 100 bushels per acre in Cecil County, 90 bushels per acre in Kent County, 60 bushels per acre in Queen Anne's County, 65 bushels per acre in Caroline County and 86 bushels per acre in Talbot County. The hay harvest was only 80 percent of normal in Cecil County.
<b>MARYLAND, Central</b>									
<b>Montgomery County</b> Cloverley	22	1445EST	0.4	75	0	0	25K	0	<b>Tornado(F1)</b> A brief gustnado touched down in a residential neighborhood in northeastern Montgomery County, damaging 20 trees and uprooting two large oaks. Two homes sustained moderate roof damage from fallen oak limbs. Telephone poles were bent and wires were knocked down along the short path.
<b>MARYLAND, Southern</b>									
<b>Lower Maryland</b> <b>Eastern Shore</b> MDZ21>25	01-30				0	0	0	0	<b>Drought</b> Dry conditions, which began in July, continued into early September before welcome rains began falling. Some water use and outdoor burning restrictions were still in effect. Crops such as soybeans were severely impacted by the drought.
<b>MARYLAND, Western</b>									
None reported.									
<b>DISTRICT OF COLUMBIA</b>									
None reported.									
<b>MASSACHUSETTS, Central and Eastern</b>									
<b>Middlesex County</b> Lowell Worcester County	14	1400EST			0	2	?	0	<b>Thunderstorm Winds</b>
<b>MASSACHUSETTS, Central and Eastern Cont'd</b>									
<b>Southboro</b> Essex County	14	1405EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Swampscott</b> Middlesex County	14	1429EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Belmont</b> Cambridge Watertown	14	1432EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Suffolk County</b> Boston	14	1435EST			0	1	0	0	<b>Thunderstorm Winds</b>
<b>Plymouth County</b> Brockton	14	1455EST			0	0	?	0	<b>Thunderstorm Winds</b> A line of thunderstorms moved across parts of central and eastern Massachusetts with wind gusts to 40 to 50 mph. In Lowell, two children received minor injuries when a tree fell on them after it was uprooted by winds gusting to an estimated 50 mph. In Southboro, large tree limbs were downed. In Swampscott, a tree fell on an automobile. In Belmont, Cambridge, and Watertown, tree limbs and a few power lines were reported blown down. In Brockton, two large tree limbs were knocked down. In downtown Boston, a street sign was blown down and hit a man on the head.
<b>MICHIGAN, Western</b>									
<b>Muskegon County</b> 5 SE Whitehall	16	0905EST			0	0	0	0	<b>Thunderstorm Winds (G58)</b>

# Storm Data and Unusual Weather Phenomena

September 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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A very large basswood tree was uprooted by winds that were estimated to be between 60 and 70 mph, at Lincoln Golf Course, located about halfway between Muskegon and Whitehal. The base of the tree trunk was at least three feet in diameter. The base of the uprooted tree roots and dirt measured 25 feet across. Very strong winds were reported throughout the county but other damage was minor.

<b>Ottawa County</b> Port Sheldon Twp	16	2055EST			0	0	0	0	Thunderstorm Winds (G61) Spotter reported wind gust near Lake Michigan shore. No further high winds nor damage reported inland.
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## Michigan, Eastern

None reported.

## MINNESOTA, Northeastern

Cass County Cass Lake	15	2310CST			0	0	0	0	Hail (1.50)
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## MINNESOTA, Central and South Central

Lake of the Woods County Baudette	05	1728CST			0	0	?	?	Thunderstorm Winds (G50) Wind gust to 50 knots measured by automated observing system at airport. Numerous tree limbs blown down.
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Redwood County Seaforth	05	2320CST			0	0	0	0	Hail (0.75)
Rice County Morristown	06	1525CST			0	0	?	?	Thunderstorm Winds (G52)
Steele County 4 SE Morristoryn	06	1534CST	3	50	0	0	0	0	Tornado (F0) Debris visible four to five minutes.

Rice County 3 E Morristoryn	06	1536CST	2	0	0	0	?	?	Tornado (F2), Hail (1.00) Tornado destroyed two machinesheds, two barns, tool shed, corn crib, hog shed, chicken coop, garage, two grainerys and three grain wagons. Window and siding damage to one home.
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5 E Morristoryn Steele County	06	1542CST	Short	Narrow	0	0	0	0	Tornado (F0)
3 E Medford	06	1612CST			0	0	0	?	Hail (1.00) Funnel Clouds
Merton	06	1615CST			0	0	??	?	Hail (1.75)
7 E Clinton Falls Mower County	06	1625CST	Short	Narrow	0	0	0	0	Tornado (F0)
Sargeant Beltrami County	06	1758CST			0	0	0	0	HAIL (1.75)
15 E Bemidji Polk County	15	2255CST			0	0	?	?	Hail (0.75)
Climax	29	0650CST			0	0	200K	0	Lightning Lightning ignited a fire that destroyed a potato storage and machinery warehouse.

Erskine Clay County	29	0750CST			0	0	?	?	Hail (1.13)
Moorhead	29	0930CST			0	0	50K	0	Lightning A house and an electrical switching station struck by lightning.

Hennepin County Minneapolis	30	1525CST			0	0	0	0	Hail (0.75)
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## MINNESOTA, Central and South Central Cont'd

Dakota County Eagan	30	1540CST			0	0	0	0	Hail (1.75)
Washington County Woodbury	30	1625CST			0	0	?	0	Lightning There was a house fire.
Oakdale	30	1625CST			0	0	?	0	Thunderstorm Winds Trees and power lines down.
Olmsted County Stewartville	30	1855CST			0	0	1K	0	Lightning Lightning struck a bank burning about six to eight feet of the roof.

## MINNESOTA, Southwest

Lyon County Minneota	05	2240CST			0	0	?	?	Hail (1.00)
Nobles County 8 N Brewster	05	2310CST			0	0	.01M	?	Hail (1.00) Hail damaged a few vehicles.

## MISSISSIPPI, Northern

None reported.

## MISSISSIPPI, Central

# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
No reports.									
<b>MISSISSIPPI, Southeast</b>									
None reported.									
<b>MISSISSIPPI, Southern</b>									
None reported.									
<b>MISSOURI, Eastern</b>									
<b>Callaway County Fulton</b>	<b>03</b>	<b>0455CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Thunderstorm winds downed power lines in Fulton. Reported by county sheriff.									
<b>Franklin County Union</b>	<b>03</b>	<b>0833CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.75)</b>
Golf ball-size hail was reported by the public near Union.									
<b>Franklin County St. Clair</b>	<b>03</b>	<b>0845CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
County sheriff's office reported dime-size hail.									
<b>Ralls County Perry</b>	<b>03</b>	<b>0535CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
Sheriff's office reported power outages due to lightning strikes.									
<b>Franklin County Sullivan</b>	<b>03</b>	<b>0903CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
Public reported penny-size hail.									
<b>MISSOURI, Southeastern</b>									
<b>Southeast MO MOZ076-086-087 -100-107&gt;112- 114</b>	<b>24</b>	<b>0300EST- 0700EST</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Frost</b>
An early frost caused minor damage to crops and gardens. Most of the corn and soybean crop was harvested, so financial losses were not severe. The frost was generally light and not prolonged.									
<b>MISSOURI, Lower</b>									
None reported.									
<b>MISSOURI, Southwestern</b>									
<b>Dade County Arcola</b>	<b>30</b>	<b>1519CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Cedar County 5 NE Arcola</b>	<b>30</b>	<b>1529CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Polk County Fair Play</b>	<b>30</b>	<b>1550CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>MISSOURI, Southwestern Cont'd</b>									
Thunderstorm winds damaged outbuildings in Arcola, and downed trees to the northeast of Arcola in southern Cedar County in the Fair Play areas.									
<b>Benton County Lincoln</b>	<b>30</b>	<b>1810CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Several trees were uprooted by thunderstorm winds.									
<b>Camden County 5 SW Camdenton</b>	<b>30</b>	<b>1900CST</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Thunderstorm winds gusting to over 60 mph downed several trees between Branch and Camdenton. The time was estimated.									
<b>MISSOURI, Northwestern</b>									
<b>Howard County 5 E of Glasgow</b>	<b>30</b>	<b>1445CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
A severe thunderstorm moved through the northern half of Howard county. Winds gusted up to 60 mph five miles east of Glasgow knocking down trees and destroying a utility shed.									
<b>Jackson County Lee's Summit</b>	<b>30</b>	<b>1500CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A strong thunderstorm blew a tree onto Colbern Road.									
<b>Lafayette County Bates City</b>	<b>30</b>	<b>1525CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A strong thunderstorm over western Lafayette County knocked down trees and power lines. In Bates City, a barn was destroyed and there was minor damage to some homes.									
<b>Randolph County Moberly</b>	<b>30</b>	<b>1530CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>30</b>	<b>1530CST</b>				<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A severe thunderstorm moved through Randolph County producing damaging winds which knocked down trees and power lines. In Moberly, dime-size hail was reported.									
<b>Lafayette County</b>									

# Storm Data and Unusual Weather Phenomena

September 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>Waverly</b>	<b>30</b>	<b>1555CST</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4K</b>	<b>0</b>	<b>Thunderstorm Winds (G61)</b>
A severe thunderstorm moved through Northeast Lafayette County. Trees and power lines were reported down in Waverly as winds gusted to 70 MPH.									
<b>Carroll County Carrollton</b>	<b>30</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Windss</b>
A severe thunderstorm knocked numerous trees down in Carrollton.									
<b>Randolph County Huntsville</b>	<b>30</b>	<b>1618CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A severe thunderstorm near Huntsville knocked down trees and powerlines.									
<b>MOZ001-011-012-020-028-032-037&gt;040-044-045 Northwest Missouri</b>	<b>22</b>	<b>0600CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Freeze</b>
An early season freeze and frost combined with the Spring flooding earlier in the year made for one of the shortest growing seasons on record. The extent of any crop damage is unknown since temperatures were only below freezing for less than two hours. The freeze was the earliest in history for Kansas City.									
<b>MONTANA</b>									
<b>Powell County 4 S Deer Lodge</b>	<b>03</b>	<b>1930MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>3K</b>	<b>Lightning</b>
A 40-ton haystack was struck by lightning, setting it on fire. By the time the fire could be put out, an estimated \$3000 worth of hay was lost.									
<b>Powell County 3 SE Deer lodge</b>	<b>04</b>	<b>1800MST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Flash Flood</b>
Brief heavy rains, estimated at two and a half inches, washed out several county roads.									
<b>Beaverhead County 30 SE Dillon</b>	<b>05</b>	<b>1515MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b>
<b>Beaverhead County 5 SE Dillon</b>	<b>05</b>	<b>1530MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
<b>Roosevelt County 12 N Bainville</b>	<b>05</b>	<b>1615MST</b>	<b>?</b>	<b>?</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b>
Two skywarn observers spotted a tornado moving through an open field.									
<b>Silver Bow County Butte</b>	<b>07</b>	<b>1535MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>HAIL (0.75)</b>
<b>Madison County Twin Bridges</b>	<b>07</b>	<b>1730MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>HAIL (1.00)</b>
<b>Yellowstone County Huntley</b>	<b>10</b>	<b>1720MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>HAIL (0.75)</b>
<b>NEBRASKA, Extreme Northeast</b>									
None reported.									
<b>NEBRASKA, Eastern</b>									
<b>Butler County 3 N Ulysses</b>	<b>01</b>	<b>2330CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
<b>Seward County Garland</b>	<b>02</b>	<b>0050CST</b>			<b>0</b>	<b>0</b>	<b>100K</b>	<b>0</b>	<b>Hail (2.75)</b>
<b>Lancaster County 3 N Malcom</b>	<b>02</b>	<b>0057CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.75)</b>
<b>Malcom</b>	<b>02</b>	<b>0100CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>20K</b>	<b>Hail (2.00)</b>
<b>6 W Lincoln</b>	<b>02</b>	<b>0115CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Hail (4.50)</b>
<b>Lincoln</b>	<b>02</b>	<b>0117CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
<b>Hooker County 14 SE Mullen</b>	<b>03</b>	<b>0800CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>2K</b>	<b>Lightning</b>
Lightning ignited grass.									
<b>Lincoln County 10 N Hershey</b>	<b>05</b>	<b>1100CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>40K</b>	<b>Lightning</b>
Lightning ignited grass. 3,000 acres were burned.									
<b>Garden County 3 S Lewellen</b>	<b>05</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>1K</b>	<b>Lightning</b>
Lightning ignited grass. 30 acres were burned.									
<b>Keith County 20 NW Ogallala</b>	<b>05</b>	<b>1700CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>4K</b>	<b>Lightning</b>
Lightning ignited grass. 400 acres were burned.									
<b>18 NW Ogallala</b>	<b>05</b>	<b>1730CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>1K</b>	<b>Lightning</b>
Lightning ignited grass. 30 acres were burned.									
<b>Deuel County 8 E Chappell</b>	<b>05</b>	<b>1730CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.88)</b>
<b>Perkins County 8 SE Grant</b>	<b>05</b>	<b>1910CST</b>			<b>0</b>	<b>0</b>	<b>185K</b>	<b>0</b>	<b>Thunderstorm Winds (G88)</b>
<b>8SE Grant</b>	<b>05</b>	<b>1910CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>220K</b>	<b>Hail (0.75)</b>
A public report of 101 mph winds and dime sized hail caused significant damage to irrigation pivots, grain bins, sheds/barns, and downed telephone poles and large tree branches. There was total crop loss in the area. The area affected by the storm was									

# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
			30 miles long and 10 miles wide.						
<b>Keith County</b> 8 N Keystone	05	1916CST			0	0	0	10K	Lightning
			Lightning ignited grass. 150 acres were burned.						
<b>Arthur County</b> 10 S Arthur	11	1620CST			0	0	0	0	Hail (0.88)
<b>Cherry County</b> 20 NW Mullen	11	1700CST			0	0	0	0	Hail (0.88)
<b>Logan County</b> 3 N Stapleton	11	1705CST			0	0	0	0	Hail (0.75)
<b>Cherry County</b> 12 N Mullen	11	1730CST			0	0	0	0	Hail (1.50)
<b>Antelope County</b> 3 W Brunswick	18	0052CST			0	0	0	0	Hail (1.50)
<b>Cuming County</b> Wisner	18	0240CST			0	0	0	4.5K	Lightning
<b>Burt County</b> Tekamah	18	0400CST			0	0	0	2K	Lightning
<b>Knox County</b> Wausa	18	1030CST			0	0	0	1K	Lightning
NEZ004>012-015> 018-022>038-042> 045-050>053-056> 059-065>071-078- 088>093	22	0000CST- 0800CST			0	0	0	262M	Damaging Freeze
			Record low temperatures from the lower 20s to the lower 30s put an end to an already stunted growing season across the Midlands. Nearly the entire state fell below 28 degrees. Hardest hit were the milo, soybean, and corn crops.						
<b>Nance County</b> Belgrade	29	2150CST			0	0	0	0	Hail (1.50)
<b>Belgrade</b>	29	2150CST			0	0	0	0	Thunderstorm Winds (G55)
<b>Boone County</b> 7 SE Cedar Rapids	29	2155CST			0	0	0	0	Hail (1.50)
<b>6 SW Cedar Rapids</b>	29	2155CST			0	0	0	0	Thunderstorm Wind (G56)
<b>Lancaster County</b> NE of Lincoln	29	2330CST			0	0	0	0	Thunderstorm Winds (G50)
<b>NEBRASKA, Eastern Cont'd</b>									
<b>Saunders County</b> Ashland	30	0006CST			0	0	0	0	Thunderstorm Winds (G52)
<b>Jefferson County</b> Fairbury	30	0010CST			0	0	30K	0	Lightning
			Lightning hit the courthouse destroying computers in the treasurer's, clerk's, and county court offices.						
<b>Sarpy County</b> Louisville	30	0025CST			0	0	0	0	Thunderstorm Winds (G52)
<b>Douglas County</b> Omaha	30	0045CST			0	0	3K	0	Thunderstorm Winds (G56)
<b>NEBRASKA, South Central</b>									
<b>Merrick County</b> 4 N Clarks	01	2220CST			0	0	0	5K	Hail (1.75)
<b>Polk County</b> Shelby	01	2305CST			0	0	0	0	Hail (0.75)
NEZ039>041,046> 049,060>064,072> 077,082>087	21	2300CST- 0700CST			0	0	0	50M	Freeze
<b>South Central</b> <b>Nebraska</b>			An unusually early hard freeze with temperatures in the middle to upper 20s for several hours caused considerable crop damage. Losses in yields to corn and especially the milo and soybean crops totaled \$50 million.						
<b>Gosper County</b> Elwood	29	1924CST			0	0	0	0	Hail (0.75)
<b>Howard County</b> Farwell	29	2123CST			0	0	0	50K	Hail 150
<b>4 E Farwell</b>	29	2140CST			0	0	0	10K	Hail 075
<b>6 N Saint Paul</b>	29	2145CST			0	0	5K	10K	Hail 100
<b>9 N Saint Paul</b>	29	2145CST			0	0	5K	0	Thunderstorm Wind G55
			Hail dropped by thunderstorms caused some crop damage in Howard County. North of Saint Paul, thunderstorm winds blew a grain bin off its foundation while wind driven hail caused roof and siding damage and broke several windows.						
<b>NEBRASKA, Extreme Southwest</b>									
<b>Southwest</b> <b>Nebraska County</b> NEZ079	20	1600CST- 0400CST			0	0	5K	3M	Heavy Snow
	21		Heavy snow damaged power lines and trees and caused damage to immature crops.						

# Storm Data and Unusual Weather Phenomena

September 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>NEBRASKA, Western</b>									
<b>NEZ001&gt;003-019&gt;021-054-055</b> Western Panhandle	08 08	1930MST 2100MST			0	0	0	0	<b>Lightning</b>
									Lightning starts many grass fires in the western Nebraska Panhandle. The largest fire burned 700 acres in east central Morrill County.
<b>NEZ001&gt;003</b> Northern Panhandle	19 20	2200MST- 0500MST			0	0	8K	0	<b>Winter Storm</b>
									Heavy snow and strong winds caused trees and branches to break or even downed. Some of the trees and branches helped down some power lines. Power was out for a time in the northern panhandle during the storm. Some vehicles and buildings were damaged by fallen tree limbs in Crawford. Snowfall ranged from two inches in Alliance to eight inches at Dunlap. Snowfall of six inches was common in the area.
<b>NEZ001&gt;003-019&gt;021-054-055</b> Western Panhandle	20 21	2200MST- 0800MST			0	0	0	.2M	<b>Hard Freeze</b>
									Early season cold temperatures occurred over the western Nebraska panhandle. The cold damaged between ten and twenty percent of the bean crop. Some of the sugar beet crop also suffered damaged due to the cold.
<b>NEVADA</b>									
<b>NVC015</b> Northern Lander County	02 02	1755PDT- 1835PDT			0	0	?	?	<b>Thunderstorm Winds Funnel Cloud</b>
									Weather spotters reported thunderstorms with rotation and a confirmed funnel cloud near Battle Mountain. Winds from these thunderstorms dropped dime-size hail, broke tree limbs and downed electric lines.
<b>NEVADA Cont'd</b>									
<b>NVC001-013-015</b> Humboldt County Northern Lander County, Eastern Churchill County	03 03	1545PDT- 2100PDT			0	0	0	0	<b>Thunderstorm Winds</b>
									An upper level low pressure area moved into unstable air over the Great Basin triggering strong thunderstorms over Northern and Central Nevada. The Winnemucca Airport reported wind gusts over 50 mph and several areas received over one-quarter inch of rain with these storms.
<b>NVC031</b> Washoe County Reno	03	1745PDT			0	0	0	0	<b>Thunderstorm Winds (G61)</b>
									A 61 mph wind gust was recorded at the Reno-Tahoe International Airport during a thunderstorm.
<b>NEW HAMPSHIRE</b>									
<b>Merrimack County</b> Concord	14	1308EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Bow</b>	14	1310EST			0	0	?	0	<b>Thunderstorm Winds</b>
									Thunderstorms ahead of a fast-moving cold front produced damaging winds which downed trees and power lines at the above locations, causing scattered power outages. Power outages resulted at other locations in southern New Hampshire from limbs or a single tree blown onto power lines.
<b>NEW JERSEY, Northeastern</b>									
									None reported.
<b>NEW JERSEY, Southern and Northwestern</b>									
<b>Warren County</b> Northwest	31 03	0800EST- 1900EST			0	0	?	?	<b>Wildfires</b>
									A forest fire, which was exacerbated by the drought, began the morning of August 31st in the Worthington State Forest on the west facing side of the Kittatinny Mountains in Pahaquarry Township. Before it was declared contained the evening of September 3rd, about 750 acres were burned. Hiking within the forest was banned indefinitely including a six mile stretch of the Appalachian Trail.
<b>Atlantic County</b> 6 NE Atlantic City	03 03	1015EST- 1022EST			0	0	0	0	<b>Waterspout</b>
<b>Ocean County</b> 2 E Spray Beach	03 03	1025EST- 1040EST			0	0	0	0	<b>Waterspout</b>
<b>Cape May County</b> 1 NE Strathmere	03 03	1030EST- 1045EST			0	0	0	0	<b>Waterspout</b>
<b>Monmouth County</b> 5 E Allenwood	03	1030EST			0	0	0	0	<b>Waterspout</b>
									A series of waterspouts developed over the New Jersey coastal waters. No damage was reported. The first formed and lasted about seven minutes a half mile northeast of Absecon Island. The second formed about two miles east of Spray Beach and lasted, according to accounts, between three and 15 minutes. The third formed between Ocean and Sea Island City and lasted for about



# Storm Data and Unusual Weather Phenomena

September 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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15 minutes. The last one formed just east of Manasquan.

<b>Burlington County</b> 4 NE Chatsworth	14	1620EST			0	0	0	?	<b>Thunderstorm Winds (G61)</b> A fire tower within Lebanon State Forest measured a wind gust to 70 mph. One large pine tree was uprooted.
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<b>Cumberland County</b> Vineland	22	1750EST			0	0	?	?	<b>Thunderstorm Winds</b> A severe thunderstorm knocked over a large tent in Vineland. No serious injuries were reported.
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<b>NJZ001-007&gt;010-012-013-015&gt;023</b>		<b>Month Long</b>			0	0	?	?	<b>Drought</b> The longest drought since July 1984-August 1985 entered its thirteenth month across much of the area. In terms of actual precipitation, it was the 2nd driest September to August on record, only surpassed by 1895-6. The drought started to ease in the second half of the month. Except for the far southeast, my month's end most of the state had its first month of normal precipitation since August 1994. The New Jersey Forest Fire Service banned all outdoor open burnings throughout Northern and Central New Jersey. Several brush fires burned out of control in Morris County on the 9th. Restrictions were eased in Morris and Sussex Counties after some heavy rain on the 13th. Unfortunately the rain came too late to stop crop damage and water restrictions. In early September the Brick (Ocean County) Township Municipal Water Company imposed mandatory water restrictions as the Metedeconk River (its water supply) dropped to 15 percent of its normal flow. Prior to September 13th restrictions were in place in some townships in Ocean, Morris, Mercer, Hunterdon and Sussex Counties. On September 13th, the New Jersey Department of Environmental Protection upgraded the drought warning to a drought emergency in seven counties of Northeast New Jersey. Eastern parts of Morris County and northeast parts of Somerset County were included within this declaration. On September 13th a water and fire emergency was declared in Vernon (Sussex County). The drought emergency placed mandatory restrictions on watering lawns, washing cars, non-commercial watering of plants and lawns, non-commercial washing of cars, streets, driveways and paved areas and all outdoor recreational purposes. On September 15th, the Delaware River Basin Commission declared a drought warning in its 13,539 square mile, 7 million people drainage area. This called for voluntary water conservation in all or parts of fourteen New Jersey Counties from Sussex to Cape May along the Delaware. The drought and excessive heat exacted a major toll on farming interests.
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## NEW JERSEY, Southern and Northwestern Cont'd

Hardest hit were the corn, hay and soybean crops. The corn harvest was only 60 to 70 percent of normal. It was estimated that deferred planting cost the \$800 million New Jersey landscaping industry 10-15% of their work and income.

## NEW MEXICO, Central and Northern

<b>Bernalillo County</b> Albuquerque	07	1630MST			0	0	1K	0	<b>Thunderstorm Winds</b> Gusty winds on the leading edge of a thunderstorm snapped several small trees and downed a few power lines in the South Valley section of Albuquerque. Gusts were measured at 35 mph at the International Airport two miles east of the damage area.
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<b>Sandoval County</b> Corrales	08	1525MST			0	0	0	0	<b>Hail (0.75)</b>
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<b>Rio Arriba County</b> 8 NW Espanola	08	1830MST-2000MST			0	0	374K	30K	<b>Flash Flood</b> Heavy rains caused flash flooding which damaged homes, acequias (irrigation channels) and fields in the El Llano, Hernandez, Chamita and Chili communities. Storms repeated over the area for about 90 minutes, each producing a pounding rain that lasted 10 to 15 minutes. Irrigation ditches and small arroyos filled quickly with silt and debris. The overflow of mud covered nearby alfalfa fields and sent water in homes. At least 18 acequias systems were completely filled with silt and will require extensive rebuilding.
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<b>Roosevelt County</b> Clovis-Portales	28	1410MST			0	0	?	0	<b>Thunderstorm Winds (G60)</b>
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<b>Curry County</b> Cannon Air Force Base	28	1415MST			0	0	0	0	<b>Thunderstorm Winds (G63)</b> Fast moving thunderstorms produced winds which broke windows and signs then uprooted several trees in both Clovis and Portales. A peak wind of 72 MPH was recorded at Cannon Air Force Base west of Clovis.
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<b>San Juan County</b> Navajo Lake (31 ENE FMN)	29	1000MST			1	0	0	0	<b>Lightning</b> Lightning struck and killed a 65-year-old man while he was fishing in the San Juan River below Navajo Dam. M65IW
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## NEW MEXICO, Eastern

<b>Roosevelt County</b> Portales	28	1410MST			0	0	?	0	<b>Thunderstorm Winds (G60)</b>
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<b>Curry County</b> Cannon Air Force Base	28	1415MST			0	0	0	0	<b>Thunderstorm Winds (G63)</b> Rapidly developing thunderstorms moved quickly through eastern New Mexico. In Portales the strong winds broke numerous windows in homes and uprooted several trees. The SAO for CVS reported a peak gust of 72 MPH, but only one tree was down from these winds.
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## NEW MEXICO, Southeast

<b>Lea County</b> Southern/Central	15	0400MST-1800MST			0	0	250K	0	<b>Flash Flood</b>
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Remnants from Pacific Hurricane Ismael dumped as much as 10 inches of rain over portions of southern and central parts of the county. The cities of Hobbs and Eunice had widespread flooding of streets with many structures flooding in lower lying areas. Highways from north of Hobbs southward to Eunice were closed with parts of some roads washing out. In Hobbs some streets

# Storm Data and Unusual Weather Phenomena

September 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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were flooded waist deep and a soccer field had standing water eight feet deep. The Texas/New Mexico Railroad line between Jal and Hobbs was washed out in three spots suspending travel on the tracks for over a week. A new drainage system in Hobbs installed after flooding of 5/22/92 helped to lessen the effects of the flooding. Cost of damage was skewed toward repairs of roadways and railroad tracks versus structures.

**Eddy County**  
**4 NE Loco Hills**  
**6 E Loco Hills**

<b>18</b>	<b>1515MST</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.88)</b>
<b>18</b>	<b>2028MST</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>

Two severe thunderstorms crossed over the northeastern part of the county about five hours apart dropping penny to nickel-size hail. The first report was along Square Lake Road, while the second was at the intersection of U.S. Highway 82 and Stat Highway 529.

**Lea County**  
**15 W Lovington**  
**15 W Lovington**  
**Maljamar**  
**Monument**

<b>24</b>	<b>1855MST</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G61)</b>
<b>24</b>	<b>1855MST</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>24</b>	<b>1905MST</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.88)</b>
<b>24</b>	<b>1947MST</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>

A thunderstorm that formed in Chaves County moved into west-central Lea County moving to the southeast. This storm had several reports of large hail and damaging winds during its life in Southeast New Mexico and the Permian Basin in Texas. While in Lea County penny-size hail was reported 15 miles west of Lovington and later at Monument. 70 mph winds were reported west of Lovington as well. This storm was a classic supercell for much of its life. The storm continued on southeast track across the stateline heading toward Midland.

**NEW MEXICO, South Central and Southwest**

**Luna County**  
**Columbus**

<b>28</b>	<b>1220MST</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>20K</b>	<b>Thunderstorm Winds</b>		
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High winds overturned a mobile home in Columbus causing two minor injuries. Some tree and roof damage was also reported from this unusually intense storm that lasted about 30 minutes.

**NEW YORK, Coastal**

**Suffolk County**  
**Fire Island**  
**Pines**

<b>08</b>	<b>1845EST</b>	<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Heavy Surf</b>		
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Swells being generated from hurricane Luis created a very heavy surf condition along the shore. One home was lost to the sea when the rough surf caused it to collapse.

**Nassau County**  
**Long Beach**

<b>10</b>	<b>1415EST</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heavy Surf</b>		
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A man was drowned while swimming in the rough surf being generated from Hurricane Luis. M321W

**NEW YORK, Eastern**

**Clinton County**  
**Schuyler Falls**

<b>05</b>	<b>1530EST</b>	<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Hail (0.75)</b>		
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A cold front moving southeast from Canada passed across northern New York during the mid afternoon hours. An isolated severe thunderstorm produced three-quarters inch hail in Schuyler Falls in Clinton County.

**Oneida County**  
**Floyd**  
**Herkimer County**  
**T. of Schuyler**  
**Salisbury**

<b>13</b>	<b>2337EST</b>	<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Thunderstorm Winds</b>		
<b>13</b>	<b>2340EST</b>	<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>		
<b>14</b>	<b>0000EST</b>	<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>		

Isolated fast moving severe thunderstorms downed trees and wires in a couple locations in Herkimer County. An isolated severe thunderstorm downed several trees at Twin Ponds Estates in Floyd. One tree fell through the roof of two mobile homes causing heavy damage.

**Saratoga County**  
**Rock City Falls**  
**Galway**  
**Washington County**  
**Greenwich**  
**Salem**

<b>14</b>	<b>1045EST</b>	<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>		
<b>14</b>	<b>1045EST</b>	<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>		
<b>14</b>	<b>1055EST</b>	<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>		
<b>14</b>	<b>1105EST</b>	<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>		

A cold front crossed eastern New York during the mid morning hours of the 14th. Severe thunderstorms produced damaging winds which downed trees and wires across a few locations in Saratoga and Washington Counties.

**Broome County**  
**Dickinson**

<b>22</b>	<b>1337EST</b>	<b>0</b>	<b>0</b>	<b>30K</b>	<b>0</b>	<b>Thunderstorm Winds</b>		
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A line of fast moving thunderstorms moved across central New York ahead of a cold front. Severe thunderstorms downed several trees and a power line in the town of Dickinson. One tree fell onto a house with several other trees causing damage to roofs, several windows, siding and plate glass doors.

**Areawide**

<b>monthlong</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>?</b>	<b>Drought</b>		
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On September 13, the New York State Drought Task force upgraded the watch to a "Drought Warning" for the Catskills and mid Hudson Valley (Sullivan, Ulster, Dutchess, Delaware, Greene, Otsego, and Schoharie Counties). The drought watch continued in effect for the Hudson-Mohawk region and was expanded to include the Southern Tier (Broome, Chenango, Cortland, Madison and Tioga Counties). Precipitation deficits across the watch and warning areas ranged from six to 12 inches for the year Montgomery County issued a drought emergency on September 12. Municipal water systems in the village of Fonda Canajoharie and St. Johnsville were dangerously low. In both Herkimer and Montgomery Counties large water tankers assisted farmers and other residence whose wells ran dry. In Ulster County communities that draw water from the Hudson River (Esopus, Poughkeepsie and Highland) were receiving high levels of sodium in their water because the low flow in the Hudson River moved the river salt line further upstream. The Susquehanna River water level was one third of normal. The Capital District annual crop harvest was down by as much as 35% according to the local U. S. Department of Agriculture officials. Saratoga County corn and hay crops were averaging about 30% below normal with Rensselaer County down about 35%. Across th

# Storm Data and Unusual Weather Phenomena

September 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>Mohawk Valley including Herkimer, Montgomery and Fulton Counties crop yields were down by 30-60%. The third cutting of hay either did not occur or was very small across the entire area.</p>									
<b>NEW YORK, Western</b>									
None reported.									
<b>NORTH CAROLINA, North Coastal</b>									
None reported.									
<b>NORTH CAROLINA, Central Coastal</b>									
NCZ095-098-104-105	08-10	1000EST-1000EST			0	0	5	0	Coastal Flooding
<p>Huge swells generated by Hurricane Luis pounded coastal sections with 8 to 10 foot seas. Frying Pan Shoals light tower reported 17 foot seas. Thirty-five feet of the Triple Spier in Atlantic Beach was destroyed. Severe erosion of from 6 to 12 feet of the frontal dune line occurred on Bogue Banks. NC12 on Hatteras Island was closed near Rodanthe and the sand bags</p>									
<b>NORTH CAROLINA, Central Coastal Cont'd</b>									
on Pea Island.									
Craven County Havelock	10	1700EST-2000EST			0	0	4	0	Flash Flood
<p>Flash flooding from a series of thunderstorms drenched a localized area of Havelock with 6.35 inches in six hours. The Westbrooke subdivision had waist deep water on some properties. One woman trapped in her car was pushed to safety.</p>									
<b>NORTH CAROLINA, South Coastal</b>									
Brunswick County Corncake Inlet	07	1100EST			1	?	?	?	Rip Current
<p>Strong currents spawned by Hurricane Luis drowned a fisherman. M27IW</p>									
New Hanover County Wilmington	07	0300EST			?	?	1K	?	Heavy Rain
<p>Heavy rains caused 3.5 feet of water siting in a cul-de-sac in the NorthChase subdivision. This caused electrical damage to cars in the cul-de-sac. Heavy rains also caused a driveway into an industry to collapse.</p>									
Brunswick County Holden Beach	08	1100EST			?	?	200K2	?	Coastal Flood
<p>Waves strengthened by Hurricane Luis and astronomical high tide washed out Ocean Boulevard Road and undermined a beach house.</p>									
Brunswick County Long Beach Holden Beach	09	0910EST			?	?	?	?	Coastal Flood
<p>Swells from Hurricane Luis and astronomical high tide caused overwash on East Beach Drive Road in Long Beach and at Ocean Boulevard in Holden Beach.</p>									
New Hanover County Carolina Beach	09	0910EST			?	?	?	?	Coastal Flood
<p>Swells from Hurricane Luis and astronomical high tide caused overwash on Canal Boulevard Road.</p>									
Brunswick County Holden Beach	09	0900EST-2000EST			?	?	1.2M	?	Coastal Flood
<p>Seven seaside homes were condemned and 40 feet of beach eroded due to large swells from Hurricane Luis and astronomical high tides.</p>									
Brunswick County 5 SE Shallotte Inlet Holden Beach	16	1400EST	Short	?					Waterspout
<p>Coast Guard and Brunswick County Sheriffs reported waterspout.</p>									
<b>NORTH CAROLINA, Central</b>									
Lincoln County Lincolnton	01	1415EST			0	0	0	0	Thunderstorm Winds (G64)
<p>Wind gusts recorded at court house. No damage was reported.</p>									
McDowell County Forest City	01	1500EST	0	0	0	0	75K	0	Lightning
<p>Lightning struck a home and starting a fire.</p>									
Jackson County Sylva	10	1530EST	0	0	0	0	30K	0	Thunderstorm Winds
<p>A tree fell on top of a house.</p>									
Stanly County Albemarle	11	0430EST-1100EST	0	0	0	1	200K	0	Flash Flood
<p>Over four inches of rain fell in a few hours causing serious flooding in the Long Creek area. An 80-year-old man was treated and released from a local hospital after he had to escape from his car when it was swept downstream after attempting to cross some high water. Several bridges were reported underwater and sustained heavy damages.</p>									

# Storm Data and Unusual Weather Phenomena

September 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>Jackson County</b> Sylva	11	0500EST			0	0	40K	0	<b>Thunderstorm Winds</b> A large tree was knocked down on the roof of St. John's Episcopal Church on Jackson Street.
<b>Cabarrus</b>	11	0500EST-0700EST	0	0	0	0	0	0	<b>Flash Flood</b> Buffalo Creek flooded St. Stephens Church Road and Lentz Harnes Shop Road. Flooding also reported on Gold Hill Rtda Highway 49 and several other secondary roads.
<b>NORTH CAROLINA, Extreme Southwestern</b>									
None reported.									
<b>NORTH CAROLINA, Northwestern and North Central</b>									
<b>Surry County</b> Low Gap	01	1344EST			0	0	?	?	<b>Hail (1.00)</b> A thunderstorm in northern North Carolina produced hail up to quarter-size during the afternoon hours on the 1st.
<b>NORTH DAKOTA</b>									
<b>Dickey County</b> Dickey	02	0234EST			?	?	?	?	<b>Hail (1.75)</b>
<b>Sargent County</b> Gwinner	02	0240EST			?	?	?	?	<b>Hail (1.75)</b>
<b>Foster County</b> Carrington	04	1850EST			?	?	?	?	<b>Hail (1.00)</b>
<b>Grant County</b> 1 S Elgin	05	1425EST			?	?	?	?	<b>Thunderstorm Winds (G60+)</b> Thunderstorm winds destroyed a 40' by 60' quonset building.
<b>Cass County</b> Hickson	28	0130EST			?	?	30K	0	<b>Lightning</b> Lightning struck a house causing extensive damage and a small neck burn to a man inside.
<b>OHIO, Northern</b>									
<b>OHZ001&gt;014-017&gt;023-027&gt;033-036&gt;038-047</b> Northern Ohio	01-30	0000EST-2400EST			0	0	0	?	<b>Drought</b> Dry weather which developed in August continued for the entire month as precipitation averaged less than 50% of normal in most areas and came almost entirely in the form of hit or miss showers and thunderstorms. Crops which had matured during the late summer were harvested at near normal levels but late maturing crops such as corn, vegetables, pumpkins, and the third cutting of hay suffered from the lack of rain. Estimates of late season crop losses averaged from 10 to 30 percent with the total dollar loss amount unknown.
<b>Lake Erie</b> Near Marblehead the Islands	2-2	1000EST-1215EST			0	0	0	0	<b>Waterspouts</b> Several waterspouts were spotted and reported to the Coast Guard. They developed in the cold unstable air over the warm lake waters. No damage was reported and the waterspouts remained over the water.
<b>OHZ001&gt;014-017&gt;023-027&gt;033-036&gt;038-047</b> Northern Ohio	11-11	0500EST-0800EST			0	0	0	?	<b>Record Cold/Frost</b> The combination of a Canadian air mass, clear skies, light winds, and dry ground contributed to record low temperatures in the 30s in many areas with an early season frost in outlying and low lying areas. The early frost damaged crops waiting for harvest with the total dollar loss amount unknown.
<b>Stark County</b> Canton	12	1255EST			0	1	5K	0	<b>Lightning</b> A woman working at her home was injured when lightning apparently struck the home. The electrical surge spread throughout the home wiring shocking her at the computer she was using. She was treated and released from a local hospital and her computer and several other home appliances were damaged.
<b>Cuyahoga County</b> North Olmsted Olmsted Falls	13	1855EST			0	0	0	0	<b>Thunderstorm Winds</b>
<b>Lorain County</b> North Ridgeville Wellington	13	1900EST			0	0	0	0	<b>Thunderstorm Winds</b> Several trees were downed.
<b>Medina County</b> Lafayette	13	1942EST			0	0	0	0	<b>Hail (0.75)</b>
<b>Ashland County</b> Loudenville	13	2010EST			0	0	3K	0	<b>Thunderstorm Winds</b> Trees downed along with a large sign.
<b>Knox County</b> Fredericktown	13	2025EST			0	0	2K	0	<b>Thunderstorm Winds</b> A tree and large limbs were downed.
<b>Mahoning County</b> Austintown	13	2110EST			0	0	0	0	<b>Hail (0.75)</b>
<b>OHIO, Eastern</b>									

# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
None reported.									
<b>OHIO, Southeast</b>									
<b>OHZ066-067-075-076-083-</b>	<b>01-21</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>?</b>	<b>Drought</b>
<b>OHIO, Southeast Cont'd</b>									
<b>084-085-086-087</b> Southeast									Hot summer weather caused the surface water availability to reach its lowest point during the second week of this month. Several small streams were dry. Just as the drought was beginning to affect the ground water, welcome rain fell on the 16th and the 22nd to improve the situation. The heaviest amounts were over Lawrence and Gallia Counties.
<b>OHZ066-067-075-076-083-084-085</b>	<b>23</b>	<b>0700EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Record Cold</b>
									Autumn arrived with a significant frost away from the rivers. Carpenter of Meigs County observed 30 degrees. Athens had 31, while 32 was recorded in New Lexington.
<b>OHIO, Southwestern</b>									
<b>Warren County</b> <b>5 SW Lebanon</b>	<b>12</b>	<b>2000 EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A few large trees were downed, some into power lines.
<b>OKLAHOMA, Northeastern</b>									
<b>Osage County</b> <b>6 N Pawhuska</b>	<b>06</b>	<b>2330CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>2 NW Pawhuska</b>	<b>06</b>	<b>2348CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Hail (0.88)</b>
<b>1.5 NW Pawhuska</b>	<b>07</b>	<b>0015CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds (G52)</b>
<b>Pawhuska</b> <b>Grainola</b>	<b>07</b>	<b>0030CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds (G52)</b>
	<b>07</b>	<b>0200CST-0230CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flash Flood</b>
<b>Pawnee County</b> <b>Cleveland</b>	<b>07</b>	<b>0230CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds (G52)</b>
<b>1 S Terlton</b>	<b>07</b>	<b>0230CST</b>			<b>0</b>	<b>0</b>	<b>1.5K</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Creek County</b> <b>Mannford</b>	<b>07</b>	<b>0230CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds (G52)</b>
<b>Tulsa County</b> <b>Sand Springs</b>	<b>07</b>	<b>0245CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds (G52)</b>
<b>Jenks</b>	<b>07</b>	<b>0300CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds (G52)</b>
<b>Creek County</b> <b>Mannford</b>	<b>07</b>	<b>0310CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
									Severe thunderstorms moved across northeast Oklahoma during the late evening of September 6th and early morning of September 7th. Strong thunderstorm winds blew a barn down one mile south of Terlton, and a vehicle was damaged six miles north of Pawhuska when several large tree limbs were blown down onto the vehicle. A few trees and numerous large tree limbs were blown down in Mannford, where thunderstorm winds gusted to 60 mph. Thunderstorm winds also gusted to 60 mph 1.5 miles northwest of Pawhuska, in Pawhuska, in Cleveland in Sand Springs, and in Jenks. Nickel-size hail fell two miles northwest of Pawhuska and 1.5 miles northwest of Pawhuska. The thunderstorms also produced very heavy rainfall in northwest Osage County. Three to four inches of rain fell in Grainola which resulted in street flooding.
<b>Osage County</b> <b>10 WSW Burbank</b>	<b>11</b>	<b>2315CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Pawnee County</b> <b>Ralston</b>	<b>11</b>	<b>2335CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
									Isolated severe thunderstorms moved across northeast Oklahoma during the late evening of September 11th. Strong thunderstorm winds downed several large tree limbs 10 miles west southwest of Burbank, and several large tree limbs up to four inches in diameter were blown down in Ralston.
<b>Tulsa County</b> <b>Broken Arrow</b>	<b>30</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds (G56)</b>
<b>Wagoner County</b> <b>NR Oneta</b>	<b>30</b>	<b>1616CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Hail (0.75)</b>
									An isolated severe thunderstorm moved across eastern Tulsa County and western Wagoner County during the late afternoon of September 30th. Thunderstorm winds gusted to 6 miles an hour at the intersection of 101st Street South and 145th East Avenue in Broken Arrow, and dime-size hail fell near Oneta.
<b>OKLAHOMA, Western, Central, and Southeastern</b>									
<b>Carter County</b> <b>Ardmore</b>	<b>07</b>	<b>0155CST</b>			<b>0</b>	<b>0</b>	<b>4</b>	<b>?</b>	<b>Lightning</b>
<b>Kay County</b> <b>1 N Ponca City</b>	<b>07</b>	<b>0200CST</b>			<b>0</b>	<b>0</b>	<b>4</b>	<b>?</b>	<b>Lightning</b>
									Lightning struck a house in Ardmore in Carter County, igniting a fire. About one-quarter of the house was destroyed, resulting in an estimated \$20 thousand damage. Lightning also struck, set fire to, and consequently destroyed a mobile home one mile north of Ponca City in Kay County.
<b>Harper County</b> <b>11 NNE Selman</b>	<b>11</b>	<b>2030CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds (G52)</b>

# Storm Data and Unusual Weather Phenomena

September 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>Alfalfa County</b> Byron	11	2140CST			0	0	?	?	<b>Thunderstorm Winds (G70)</b>
<b>OKLAHOMA, Western, Central, and Southeastern Cont'd</b>									
<b>Alfalfa County</b> Byron	11	2140CST			0	0	?	?	<b>Hail (1.00)</b>
<b>Grant County</b> Medford	11	2222CST			0	0	?	?	<b>Hail (1.00)</b>
<b>Garfield County</b> Hillsdale	11	2230CST			0	0	?	?	<b>Thunderstorm Winds (G52)</b>
Severe thunderstorms in northern Oklahoma produced wind as strong as 80 mph and hail as large as quarters in Byron in Alfalfa County. One-inch hail was also reported in Medford in Grant County.									
<b>Comanche County</b> 3 N Cache	12	1650CST			0	0	?	?	<b>Hail (1.25)</b>
<b>Major County</b> 5 NW Chester	12	1715CST			0	0	?	?	<b>Hail (0.75)</b>
<b>Jackson County</b> 4 ENE Blair	12	1718CST			0	0	?	?	<b>Hail (0.88)</b>
<b>Jackson County</b> Headrick	12	1800CST			0	0	?	?	<b>Hail (1.75)</b>
<b>Tillman County</b> Tipton	12	1850CST			0	0	?	?	<b>Thunderstorm Winds (G56)</b>
<b>Custer County</b> Thomas	12	2000CST			0	0	3	?	<b>Thunderstorm Winds</b>
<b>Comanche County</b> Lawton	12	2012CST			0	0	4	?	<b>Lightning</b>
Evening thunderstorms in western Oklahoma produced hail as large as golf balls in Headrick in Jackson County and straight-line winds up to 65 mph in Tipton in Tillman County. In Thomas in Custer County, severe thunderstorm winds downed six-inch tree limbs and blew a horse shed into the side of a trailer home. In Lawton in Comanche County, lightning struck an apartment building, igniting and damaging the roof.									
<b>Washita County</b> 1 S Foss	16	1750CST			0	0	?	?	<b>Hail (1.00)</b>
A severe thunderstorm in Washita County produced quarter-size hail one mile south of Foss.									
<b>Carter County</b> 18 NE Ardmore	17	0540CST			0	0	4	?	<b>Thunderstorm Winds</b>
Severe thunderstorm winds in Carter County damaged siding and the roofs at a hangar and a water plant at the Ardmore Air Base. Two utility poles were also blown down.									
<b>Harper County</b> 10 N Buffalo	28	2015CST			0	0	?	?	<b>Thunderstorm Winds (G56)</b>
<b>Roger Mills County</b> 2 N Dempsey	28	2040CST			0	0	?	?	<b>Thunderstorm Winds (G52)</b>
<b>Ellis County</b> Arnett	28	2050CST			0	0	?	?	<b>Thunderstorm Winds (G52)</b>
Severe thunderstorms in northwest Oklahoma produced winds as strong as 65 mph 10 miles north of Buffalo in Harper County.									
<b>Woods County</b> 8 N Freedom	30	0000CST			0	0	?	?	<b>Thunderstorm Winds</b>
A severe thunderstorm in Woods County downed two-inch tree limbs eight miles north of Freedom.									
<b>Hughes County</b> 4 W Holdenville	30	1720CST			0	0	?	?	<b>Hail (0.88)</b>
<b>Seminole County</b> 5 SSE Wewoka	30	1720CST			0	0	?	?	<b>Hail (0.88)</b>
A severe thunderstorm produced nickel sized hail on the Seminole-Hughes County line.									
<b>OKLAHOMA, Panhandle</b>									
<b>Texas County</b> 2 S Eva	20	1843CST			0	0	0	0	<b>Hail (1.00)</b>
<b>Goodwell</b>	20	1911CST			0	0	?	0	<b>Hail (1.75)</b>
<b>Goodwell</b>	20	1921CST			0	0	?	0	<b>Hail (1.00)</b>
Hail to golf ball-size was reported by the Oklahoma Highway Patrol. Some minor damage in the form of broken window was reported. The extent of damage is unknown, but believed to be light.									
<b>Texas County</b> Guymon	28	1804CST			0	0	.1M	0	<b>Thunderstorm Winds (G51)</b>
<b>Beaver County</b> Turpin	28	1858CST			0	0	.1M	0	<b>Thunderstorm Winds (G55)</b>
<b>Slapout</b>	28	1930CST			0	0	0	0	<b>Thunderstorm Winds (G56)</b>
High winds from thunderstorms blew down three highway signs and the wall of a pavilion at the local park in Guymon. The Oklahoma mesonet recorded a peak wind in Slapout of 64 mph. In Turpin high winds destroyed on mobile home and damaged another and blew down some power lines and fences.									
<b>OREGON</b>									
None reported.									
<b>PENNSYLVANIA, Northwest</b>									
<b>PAZ001&gt;003</b> Northwest	01 03	0000EST- 2400EST			0	0	0	?	<b>Drought</b>

# Storm Data and Unusual Weather Phenomena

September 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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## Pennsylvania

Dry weather which developed in August continued for the entire month as precipitation averaged less than 50% of normal. Crops which had matured during the late summer were harvested at near normal levels but late maturing crops such as corn, vegetables, pumpkins, and the third cutting of hay suffered from the lack of rain. Crops losses began early in the month close to the lakeshore which had a very dry August and by the second half of September the dry weather began to take its toll across inland areas. Estimates of late season crop losses averaged from 10 to 40 percent with the total dollar loss amount unknown. A number of residential water wells went dry and local and state officials restricted water use and open burning in some areas.

PAZ002>003  
Northwest  
Pennsylvania

11	0500EST-								
11	0800EST			0	0	0	?		<b>Record Cold/Frost</b>

The combination of a Canadian air mass, clear skies, light winds, and dry ground contributed to record low temperatures in the 30s in many areas with an early season frost away from Lake Erie in outlying and low lying areas. The early frost damaged crops waiting for harvest with the total dollar loss amount unknown.

## PENNSYLVANIA, Eastern

Schuylkill County  
Pine Grove

07	1450EST-								
07	2100EST			0	0	0	0		<b>Wildfires</b>

The yearlong drought contributed to a fire on Second Mountain in Washington Township. A log skidder overturned and caught fire. The fire was contained on the evening of the 7th.

Lackawanna County  
Clark's Summit

14	1245EST								
				0	0	?	0		<b>Thunderstorm Winds</b>

A severe thunderstorm uprooted trees and downed electrical and telephone lines. One damaged the front porch of a frame shop. About 1,000 customers lost power.

PAZ037>071

month long									
				0	0	0	0		<b>Drought</b>

The drought, which entered its thirteenth month, continued unabated throughout Eastern Pennsylvania the first half of September. Rainfall was closer to normal during the second half of the month, especially in the extreme southeast. Consequently Bradford, Bucks, Chester, Delaware, Montgomery and Philadelphia Counties either had normal or above normal rainfall for the month. Most other counties had about 75% of normal rainfall, but precipitation deficiencies of less than 50% of normal (or around two inches below normal for the month) occurred in the Susquehanna Valley in Union, Snyder, Perry and Cumberland Counties. The rain came too late to help farmers and by the end of the month, most of Eastern Pennsylvania was under a drought emergency. Harrisburg Pennsylvania set a record for the longest period without measurable precipitation, 28 days, from August 10 through September 7.

September started dry and a Drought Warning was declared by the Pennsylvania Department of Environmental Protection for all of Eastern Pennsylvania on the 1st. The warning asked for voluntary conservation of non-essential water use. Tougher mandatory restrictions were implemented during the first half of the month in some townships in Bucks and Lancaster Counties. In Lancaster County by September 13th about 80 separate brush fires were extinguished. Most were caused by cigarette butts tossed from moving cars, sparks from railroads and fires which burned out of control. Ephrata Township banned all outside burning. On September 14th the Susquehanna River Basin Commission declared a drought warning. On September 15th, the Delaware River Basin Commission declared a drought warning (first since 1993) for all or part of 17 eastern counties within the river's 13,539 square mile drainage basin. Both warnings requested voluntary curbs on non-essential water use. On September 20th, the drought warning was upgraded to a drought emergency for all of Eastern Pennsylvania except Perry, Dauphin, Lebanon, Cumberland, York and Lancaster Counties. It was the first drought emergency declared in Pennsylvania since July 1991. Mandatory restrictions were in place concerning water use on lawns, gardens, golf courses, paved surfaces, water fountains and vehicles. Preliminary crop losses caused by the drought were \$300 million statewide. Corn yields averaged 106 bushels per acre versus a normal of 120 bushels per acre. Soybean yields averaged 40 bushels per acre versus a normal of 60 bushels per acre. The late soybean crop was deemed "not worth anything". In alfalfa fields, there were three cuttings instead of four. Also affected by the drought were pumpkins (smaller and matured faster than normal) and Christmas trees (smaller). The lack of water took its toll on livestock also, although the greatest damage was done during the oppressive heat wave in the middle of July.

## PENNSYLVANIA, Central

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

MONTHLONG									
				?	?	?	?		<b>DROUGHT</b>

September was another warm and dry month across central Pennsylvania. While some areas got heavy rain toward the end of the month, rainfall for September was well below average. Rainfall was 1.4 to 2.4 inches below average. Drought watches and warnings were issued for much of central Pennsylvania in early September. In some areas, a Drought Emergency was issued by late month.

## PENNSYLVANIA, Western

Allegheny, Armstrong, Beaver, Butler  
Clarion, Fayette, Forest, Greene, Indiana,  
Lawrence, Jefferson, Mercer, Venango  
Washington, Westmoreland  
Counties

MonthLong									
				0	0	5K	18M		<b>Drought</b>

Widespread drought conditions across Pennsylvania caused substantial damage to crops and pastures. No widespread rainfall occurred across the region between August 12 and September 8. During this time, precipitation was 2.59 inches below normal and the yearly precipitation deficit soared to over seven inches for Pittsburgh. Also, August 1995 was the fifth hottest August

## PENNSYLVANIA, Western Cont'd

on record for Pittsburgh and the above normal temperatures continued into the first part of the September. The hot temperatures made evaporative rates higher than normal, further aggravating the drought conditions. Pittsburgh's rainfall for September was 1.80 inches, 1.17 inches below normal and the yearly deficit was 7.43 inches. On September 1st, the Governor of Pennsylvania declared a drought watch for western part of the state. The watch called for voluntary conservation measures. The Palmer Drought Index indicated a moderate drought for the second half of the month. River flow on all area rivers were also below normal. However, no problems related to low flow were reported by the navigation industry. A few fishing nurseries, though, reported losing some trout after they lost their water supply. About nine brush fires occurred in Venango, Forest and Clarion Counties early in the month. One in Farmington Township in northeast Clarion County burned about two acres of land, including about 120 evergreen trees. Also, early in the month there were brush fires reported in Hempfield Township, Westmoreland

# Storm Data and Unusual Weather Phenomena

September 1995

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

County. Open burning on state owned land was banned in September due to the extreme fire danger. By far, though, the greatest damages were agricultural related. Nearly every crop, except for some early vegetable crops and first hay cuttings, suffered from the drought. Dollar amount losses from corn and silage were the greatest. In some cases, corn that was to be harvested as grain, was below the optimum moisture content for ensiling. Corn losses ranged from 15% in Indiana County to up to 80% in Washington County. For many the drought hit at a particularly critical time for the maturing corn. Other substantial losses were reported to pastures, soybeans, sweetcorn, alfalfa and a variety of vegetable crops. Substantial losses were reported with second hay cuttings and third cutting were generally non-existent. The pumpkin crop was also hit hard. The pumpkins were ripening quicker than usual and there were fewer and smaller melons. The hardest hit area was Washington County, where the preliminary losses, estimated by the United States Department of Agriculture, totaled \$8,404,550. Nearly \$3 million in losses were reported in Beaver and Allegheny Counties combined. Nearly \$2 million in losses from corn was reported in Mercer County. Agriculture losses totaled \$730 thousand in Armstrong County. Losses in the remaining counties were estimated to be close to \$7 million.

## RHODE ISLAND

None reported.

## SOUTH CAROLINA, North Coastal

None reported.

## SOUTH CAROLINA, Central

Dorchester County  
Colleton County

01-04					0	0	?	?	Flood
-------	--	--	--	--	---	---	---	---	-------

Edisto River at Givhars Ferry remained above flood stage (10ft) from the previous month and crested at 12.6 ft on the 4th. The river went below flood stage on the 8th. Rainfall was from T.S. Jerry Aug. 25-27.

Berkeley County  
Jamestown

01-11					0	0	?	?	Flood
-------	--	--	--	--	---	---	---	---	-------

Lower Santee River at Jamestown remained above flood stage (10ft) from the previous month and crested at 16.6 ft on the 6th. River went below flood stage on the 12th. Flooding was the result of rainfall from T.S. Jerry which moved across S.C. Aug 25-27.

McCormick County  
McCormick

01	1900EST				0	0	5K	0	Thunderstorm Winds
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Numerous trees and powerlines down McCormick to Modoc.

SCZ47,48,49,50  
Coastal Counties

07-10					0	0	?	?	Beach Erosion, Coastal Flooding
-------	--	--	--	--	---	---	---	---	---------------------------------

Minor coastal flooding and beach erosion associated with Hurricane Luis as it moved northward across the North Atlantic Ocean.

Spartanburg County  
Landrum  
Anderson County  
West Pelzer  
SCZ006-007-010

10	2245EST				0	0	35K	0	lightning
11	0800EST				0	0	10K	0	Flash Flood
11	0600EST				0	0	?	0	Heavy Rain

An area of slow moving thunderstorms developed late at night and persisted into mid day on the 11th. More than five inches of rain fell in some places according to newspaper accounts, especially along the Saluda River at the Greenville-Anderson County border. One unofficial report of about 10 inches was received from an amateur radio operator. Flash flooding around West Pelzer resulted in washed out bridges and roads - some of which were damaged in the late August flooding. A vacant house in Landrum was reported to have burned as a result of a lightning strike.

Beaufort County  
Hilton Head Island

26	1153EST				0	0	10K	0	Lightning, Heavy Rain
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Lightning damaged the computer system at Hilton Resort in Palmetto Dune. Runoff from heavy rains flooded several roads.

## SOUTH DAKOTA, Central and Northern

Marshall County  
7 E Langford  
7 E Langford  
Marshall County  
7 E Langford

02	0315CST				0	0	?	?	Hail (1.00)
02	0315CST				0	0	0	0	Thunderstorm Winds (G52)
02	0400CST-0700CST				0	0	?	0	Flash Flood

Very heavy rains of two inches flooded several roads seven miles east of Langford into the early morning.

## SOUTH DAKOTA, Central and Northern Cont'd

Day County  
Bristol  
Campbell County  
S of Pollock

02	0400CST				0	0	0	0	Hail (0.75)
05	1810CST				0	0	0	?	Hail (1.00)

A band of large hail stripped several corn fields and also did major damage to millet fields south of Pollock.

Campbell County  
Herreid  
Walworth County  
Java  
Edmunds County  
11 E Hosmer  
Mcpherson County  
5 SW Leola  
Brown County  
Pleasant Valley

05	1815CST				0	0	0	0	Hail (0.75)
05	1900CST				0	0	?	0	Hail (1.75)
05	1920CST				0	0	0	0	Hail (0.75)
05	1925CST				0	0	0	0	Hail (0.75)
05	1950CST				0	0	?	0	Thunderstorm Winds (G56)

Sixty-five mph winds blew a sailboat across a yard in Pleasant Valley.



# Storm Data and Unusual Weather Phenomena

September 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>Spink County</b>									
6 W Hitchcock	05	2005CST			0	0	0	0	Thunderstorm Winds (G52)
<b>Day County</b>									
9 NW Webster	15	2335CST			0	0	0	0	Hail (1.00)
<b>SOUTH DAKOTA, Southeast</b>									
<b>Clark County</b>									
Garden City	02	0445CST-			0	0	5K	?	Hail (0.88)
Bradley		0500CST							Hail broke windows and caused undetermined crop damage.
<b>Codington County</b>									
Watertown	02	0505CST			0	0	.01M	0	Thunderstorm Winds (G55)
									Thunderstorm winds blew down an office trailer at a cement plant.
<b>Hamlin County</b>									
2 SE Vienna	02	0535CST			0	0	2K	0	Thunderstorm Winds
									Thunderstorm winds blew down branches and in a path 150 feet wide and 500 feet long.
<b>Hamlin County</b>									
Bryant	02	0540CST			0	0	.03M	3.0M	Hail (0.75)
									Hail caused considerable damage to crops, mainly corn and soybeans. The crop loss was estimated to be 50 percent over three townships. The hail caused relatively minor property damage.
<b>Hamlin County</b>									
Castlewood	02	0540CST			0	0	1K	0	Lightning
									Lightning shorted a doorbell transformer which started an attic fire.
<b>Miner County</b>									
9 NNE Howard	02	0615CST			0	0	.02M	.05M	Hail (2.75)
									Hail broke some windows on vehicles and caused damage to soybean and corn crops over a small area along the eastern edge of the county.
<b>McCook County</b>									
Salem -8N/5E/SSW	02	0700CST-			0	0	2.0M	0.3M	Hail (4.50)
Salem /Canistota		0717CST							Widespread golf ball to baseball-size hail fell with some softball size hail reported. The hail broke windows and caused other damage to all homes and unprotected vehicles in Salem, including 150 cars at a dealership. Severe damage occurred to crops in the area.
<b>Brookings County</b>									
Brookings	02	0740CST			0	0	0	0	Hail (0.75)
<b>Turner County</b>									
Marion	02	0750CST			0	0	5K	?	Thunderstorm Winds
									Thunderstorm winds blew down a wall and blew the roof off of a shed at a lumber yard. The roof hit power lines and knocked out power to much of the town. The winds also caused undetermined damage to corn crops.
<b>Turner County</b>									
Marion	02	0750CST			0	0	0.4M	?	Hail (2.75)
									Hail broke windows and otherwise damaged cars and houses. The hail also caused extensive crop damage in the area, with soybeans being the worst hit. Corn was also damaged, although to a lesser extent due to its maturity. The amount of the crop damage was undetermined.
<b>Turner County</b>									
7 SW Hurley	02	0800CST			0	0	?	?	Hail (1.75)
<b>Yankton County</b>									
4 W-5 N Irene	02	0825CST			0	0	?	?	Hail (2.50)
<b>SOUTH DAKOTA, Southeast Cont'd</b>									
<b>Gayville</b>		0850CST			0	0	?	?	Hail (2.75)
<b>Brule County</b>									
Kimball	05	0605CST			0	0	.01M	0	Lightning
									Lightning struck a store, destroying a gas computer and damaging other gas equipment. The lightning also damaged other electronic equipment including a microwave oven and lottery equipment.
<b>Brule County</b>									
Chamberlain	05	0655CST			0	0	0.1K	0	Lightning
									Lightning started a hay fire.
<b>Brule County</b>									
8 S Pukwana	05	0900CST			0	0	.05K	0	Lightning
									Lightning started a hay fire.
<b>Beadle County</b>									
6 W Hitchcock	05	2005CST			0	0	0	0	Thunderstorm Winds (G52)
<b>Minnehaha County</b>									
1 E Sioux Falls	06	0645CST			1	1	.01M	0	Fog
									A car and a pickup collided in dense fog, killing one driver and injuring the other. There were no passengers in either vehicle. F15VE
<b>Kingsbury County</b>									
Oldham/Arlington	29 30	1600CST- 2300CST			0	0	0.1M	?	Heavy Rain

# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
Eight to twelve inches of rain flooded roads and basements and the main floors of some buildings. Appliances and other property were damaged. The flooding also caused considerable damage to seed grain stored in bins at one end of town. Crops were flooded and damage was expected due to resulting harvest delays.									
<b>Minnehaha County</b>									
Wall Lake	29	2335CST			0	0	0	0	Hail (0.75)
Crooks	30	0000CST			0	0	0	0	Hail (0.75)
<b>SOUTH DAKOTA, Western</b>									
SDZ024-029	20		?	?	?	?			Snow (1.00-4.00)
During the day snows measuring one to four inches fell over the Black Hills.									
<b>TENNESSEE, Eastern</b>									
<b>Knox County</b>									
Knoxville	01	1130EST			0	0	40K	0	Lightning
Lightning struck and damaged a house.									
<b>Knox County</b>									
Knoxville	01	1140EST			0	0	15K	0	Thunderstorm Winds
A thunderstorm knocked down trees and electrical wires around the Knoxville area.									
<b>Sevier County</b>									
	01	1235EST			0	0	2M	0	Thunderstorm Winds
A thunderstorm knocked trees down along Highway 321.									
<b>Hamilton County</b>									
Salt Creek	01	1240EST			0	0	5K	0	Thunderstorm Winds
Thunderstorm winds downed trees around the Salt Creek area.									
<b>Cocke County</b>									
Cosby	01	1300EST			0	0	5K	0	Thunderstorm Winds
Thunderstorm winds downed trees along Cave Church Road and Halls Top Road in the Cosby area.									
<b>Bradley County</b>									
5 NW Cleveland	01	1300EST			0	0	10K	0	Thunderstorm Winds (G52)
A thunderstorm produced a wind gust of 52 knots. No Damage was reported.									
<b>Hamilton County</b>									
Countywide	01	1320EST			0	0	10K	0	Thunderstorm Winds
A thunderstorm knock trees down countywide.									
<b>Hamilton County</b>									
Chattanooga	01	1345EST			0	0	500K	0	Thunderstorm Winds
A thunderstorm downburst caused a marina to collapse on 20-25 houseboats and sink or damage and additional 20-25 boats. This storm also knocked down several trees and electrical lines. One tree fell on a residence.									
<b>Hancock County</b>									
Treadway	04	1900EST			0	1	0	0	Lightning
A teenager was taken to the hospital after being struck by lightning near a store.									
<b>Knox County</b>									
West	13	1715EST			0	0	2K	0	Thunderstorm Winds
A few trees were blown down over western Knox County by thunderstorm winds.									
<b>TENNESSEE, Central</b>									
<b>Jackson County</b>									
Countywide	01	0900CST			0	0	0.1K	0	Thunderstorm Winds
Several power lines were down. Report was by local electric company.									
<b>Putnam County</b>									
Southeast	01	0915CST			0	0	0.1K	0	Thunderstorm Winds
Several power lines were down. Report was by local electric company.									
<b>Lawrence County</b>									
Lawrenceburg	01	1158CST			0	0	0	0	Thunderstorm Winds
Local law enforcement reported several trees were down.									
<b>Bedford County</b>									
Countywide	01	1159CST			0	0	0.1K	0	Thunderstorm Winds
Local law enforcement reported many trees were down around the county.									
<b>Bedford County</b>									
Countywide	01	1215CS			0	0	1K	0	Thunderstorm Winds
Widespread trees and power lines down. Report was by local law enforcement.									
<b>Giles County</b>									
Pulaski	01	1220CST			0	0	0.1K	0	Thunderstorm Winds
Few trees and power lines were down. Report was by local electric company.									
<b>Lincoln County</b>									
Countywide	01	1230CST			0	0	0.1K	0	Thunderstorm Winds
Widespread trees and power lines were down. Report was by local law enforcement.									
<b>Moore County</b>									
Northwest	01	1240CST			0	0	0	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
A few trees were down. Report was by local law enforcement.									
<b>Franklin County Estill Springs</b>	01	1245CST			0	0	0	0	<b>Thunderstorm Winds</b>
A few trees and tree limbs were down. Report was by local law enforcement agency.									
<b>Franklin County Estill Springs</b>	01	1300CST			0	1	0	0	<b>Lightning</b>
A man sustained minor injuries as he sat outside on the patio. A lightning bolt struck a nearby tree and ran through the ground, then up the legs of a metal chair. He suffered a stiff neck and shoulders and temporary memory loss.									
<b>Bedford County Estill Spring</b>	01	1330CST			0	0	0.1K	0	<b>Thunderstorm Winds</b>
Several power lines were down. Report was by local electric company.									
<b>Maury County Columbia</b>	01	1345CST			0	0	0.1K	0	<b>Thunderstorm Winds</b>
Several power lines were down. Report was by local electric company.									
<b>White County Old Zion</b>	11	1725CST			0	0	1	0	<b>Thunderstorm Winds</b>
Local law enforcement agency reported numerous trees and power lines were down on Highway 136.									
<b>White County Northern</b>	11	1725CST			0	0	0	0	<b>Hail (1.00)</b>
Local law enforcement reported quarter-size hail at Highway 135.									
<b>TENNESSEE, Western</b>									
None reported.									
<b>TEXAS, North Panhandle</b>									
<b>Carson County 6 E Conway</b>	12	1552CST			0	0	0	0	<b>Hail (1.00)</b>
<b>Armstrong County 3 N Claude</b>	12	1553CST			0	0	0	0	<b>Hail (0.75)</b>
<b>Hall County Lakeview</b>	12	1630CST			0	0	0	0	<b>Hail (1.00)</b>
<b>Swisher County 5 S Happy</b>	12	1701CST			0	0	0	0	<b>Hail (0.75)</b>
Thunderstorms across the southcentral Texas Panhandle produced hail to one inch in size. The hail was reported by local police and spotter groups.									
<b>Parmer County Bovina</b>	28	1544CST			0	0	50T	0	<b>Thunderstorm Winds (G60)</b>
<b>Randall County 3 SW Amarillo</b>	28	1655CST			0	0	0	0	<b>Thunderstorm Winds (G52)</b>
<b>Potter County 2 W Amarillo</b>	28	1705CST			0	0	10T	0	<b>Thunderstorm Winds (G55)</b>
<b>TEXAS, North Panhandle Cont'd</b>									
<b>Lipscomb County Booker</b>	28	1916CST			0	0	15T	0	<b>Thunderstorm Winds (G55)</b>
<b>Follett</b>	28	1925CST			0	0	0	0	<b>Hail (1.00)</b>
Thunderstorms generated high winds and hail to one inch in size. Winds were estimated at 60 to 70 mph by sheriff's and weather service employees. Damage was in line with these speeds. In Lipscomb county the porch was blown off a mobile home and another mobile home was moved from its foundation, along with several trees blown down. In Amarillo several large trees were blown down on the west side of town. In Parmer county cars had windows blown out and numerous trees were down.									
<b>TEXAS, South Panhandle</b>									
<b>Hale County 6 NE Plainview</b>	06	2115CST			0	0	0	100K	<b>Hail (0.50)</b>
Small, wind-driven hail damaged or destroyed 250 to 450 acres of mostly cotton crops in northeast Hale County.									
<b>Lubbock County</b>	15	1300CST-1430CST			0	0	0	0	<b>Flash Flood</b>
Remnants from Hurricane Ismael caused four to six inches of rain and widespread flooding across Lubbock. Many intersections and some roads were closed due to the flooding.									
<b>Fisher County 8 SE Sylvester</b>	16	1830CST			0	0	2K	0	<b>Thunderstorm Winds</b>
High winds knocked down three utility poles on the Fisher-Jones County line.									
<b>Mitchell County</b>	16	2210CST-2300CST			0	0	0	0	<b>Flash Flood</b>
The County Sheriff's Office reported two feet of water over Highway 208 near County Road 345.									
<b>Crosby County Lorenzo</b>	17	1235CST			0	0	0	0	<b>Hail (0.75)</b>
<b>Fisher County Rotan</b>	17	1607CST			0	0	0	?	<b>Hail (0.75)</b>
<b>Roby</b>	17	1625CST			0	0	5K	?	<b>Thunderstorm Winds (G55)</b>
Dime-size hail was reported in Lorenzo at 1235 CST. An Abilene television station reported dime-size hail in Rotan and 60 to 70 mph winds in Roby. The strong winds caused some structural damage to a home.									

# Storm Data and Unusual Weather Phenomena

September 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>Nolan County</b> Blackwell	27	1725CST			0	0	0	?	Hail (0.75)
<b>Coke County</b> 5 S Blackwell	27	1730CST			0	0	0	?	Hail (0.75)
<b>Robert Lee</b>	27	1849CST			0	0	0	?	Hail (0.88)
An Abilene television station reported dime-size hail in Blackwell at 1725 CST. The public reported dime-size hail south of Blackwell and nickel-size hail in Robert Lee.									
<b>TEXAS, North Central</b>									
<b>Clay County</b> Henrietta	12	2200CST			0	0	5	?	Lightning
<b>Wilbarger County</b> 3 S Vernon	12	2230CST			0	0	4	?	Thunderstorm Winds
A severe thunderstorm in Wilbarger County downed power lines, blew part of the roof off a business, and destroyed outbuildings three miles south of Vernon. Lightning struck, ignited, and destroyed two mobile homes in Henrietta in Clay County.									
<b>Foard County</b> Thalia	15	2130CST			0	0	?	?	Thunderstorm Winds
<b>Wilbarger County</b> Vernon	15	2320CST			0	0	6	?	Thunderstorm Winds
Severe thunderstorm winds in Vernon in Wilbarger County blew out all of the windows and removed a large part of the roof of the administrative offices and gymnasium of a state hospital. Damage to the facilities was estimated at \$1 to 2 million dollars. A mobile home was also destroyed and at least 14 utility poles were blown down. In Foard County severe thunderstorm winds downed two-inch tree limbs in Thalia.									
<b>TEXAS, North</b>									
<b>Nacogdoches County</b> 11 SW Nacogdoches	05	0735CST	.5	17	0	0	1K	0	Tornado (F0)
A tornado caused minor damage to a home and blew large trees down.									
<b>Grayson County</b> Sherman	07	0545CST			0	0	5K	0	Lightning
Lightning struck a house and caused a fire that resulted in minor damage.									
<b>Mclennan County</b> Waco Airport	07	1550CST			0	0	0	0	Thunderstorm Winds (G53)
<b>Mcgregor</b>	07	1614CST			0	0	0	0	Thunderstorm Winds (G68)
<b>Mcgregor</b>	07	1620CST			0	0	0	0	Hail (1.75)
<b>China Spring</b>	07	1630CST			0	0	0	0	Hail (1.00)
<b>TEXAS, North Cont'd</b>									
<b>West</b>	07	1906CST			0	0	20K	0	Lightning
Lightning struck a house and caused a fire.									
<b>Bell County</b> Killeen	07	1700CST			0	0	45K	0	Lightning
Lightning struck two homes and a shed resulting in fires.									
<b>Nolanville</b>	07	1700CST			0	0	0	0	Hail (0.88)
<b>Belton</b>	07	1742CST			0	0	2K	0	Thunderstorm Winds
Power lines were blown down by high winds.									
<b>Belton</b>	07	1749CST			0	0	0	0	Lightning
Lightning struck a propane tank, causing an explosion.									
<b>Comanche County</b> Deleon	12	1805CST			0	0	0	0	Thunderstorm Winds (G61)
<b>Jones County</b> 15 SW Anson	16	1830CST			0	0	5K	0	Thunderstorm Winds
Power poles were blown down by high winds.									
<b>Smith County</b> Tyler	17	1100CST			0	0	0	0	Thunderstorm Winds
Large pecan trees were blown down by high winds.									
<b>Parker County</b> 8 NE Weatherford	17	1450CST			0	0	0	0	Hail (0.75)
<b>Hood County</b> Granbury	17	1459CST			0	0	0	0	Hail (1.00)
<b>5 E Granbury</b>	17	1500CST			0	0	0	0	Hail (1.75)
<b>Acton</b>	17	1515CST			0	0	0	0	Hail (1.50)
<b>Jones County</b> 5 S Anson	17	1645CST			0	0	0	0	Flash Flood
Water was reported over portions of Farm-to-Market Road 707.									
<b>Hamlin</b>	17	1700CST			0	0	0	0	Flash Flood
High water resulted in numerous roads being closed.									
<b>Brown County</b> Brownwood	17	1730CST			0	0	0	0	Hail (0.75)
<b>May</b>	17	1753CST			0	0	0	0	Hail (0.75)
<b>Brownwood</b>	17	1830CST			0	0	0	0	Flash Flood
Numerous streets were closed by high water.									

# Storm Data and Unusual Weather Phenomena

September 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>Taylor County</b> <b>Abilene</b>	17	1825CST			0	0	0	0	Flash Flood
			Widespread street flooding was reported.						
<b>Fannin County</b> <b>Bonham</b>	19	1000CST			0	0	0	0	Flash Flood
			Several streets were closed due to high water.						
<b>Hood County</b> <b>Granbury</b>	19	1500CST			0	0	0	0	Hail (1.00)
<b>Anderson County</b> <b>5 S Palestine</b>	19	1900CST			0	0	0	0	Flash Flood
			Water was reported over portions of Highway 19.						
<b>Angelina County</b> <b>Lufkin</b>	19	2100CST-2200CST			0	0	0	0	Flash Flood
			Several streets were closed by high water.						
<b>Nacogdoches County</b> <b>10 SE Nacogdoches</b>	19	2100CST-2200CST			0	0	0	0	Flash Flood
			Farm-to-Market Road 226 was closed by high water between Woden and Etoile.						
<b>TEXAS, Central Southeast</b>									
<b>TXZ-511</b>	05	1250CST			0	0	0	0	Hail (0.75)
			Three-quarters inch hail reported just off Crystal Beach.						
<b>Jackson County</b>	05	1645CST			0	0	10K	0	Thunderstorm Winds
			Power lines blown down across Ganado and 10 miles SE of Edna.						
<b>Madison County</b>	12	1330CST			0	0	50K	0	Thunderstorm Winds
			Possible downburst one mile west of Madisonville at Highway 21 and FM 1452. Seven metal buildings destroyed and one roof damaged.						
<b>TEXAS, Central Southeast KEYBOARD(ont'd</b>									
<b>Montgomery County</b>	12	1815CST-1901CST			0	0	5K	0	Flash Flood
			Highway 105 at Interstate 45 impassable due to high water.						
<b>Harris County</b> <b>Houston</b>	21	1335CST			0	0	50K	0	Thunderstorm Winds
			Roof blown off Frazier Elementary School.						
<b>Brazos County</b> <b>Bryan/College Station</b>	21	1701CST-1815CST			0	0	5K	0	Flash Flood
			Street flooding in Bryan/College Station.						
<b>TEXAS, South Central</b>									
<b>Jackson County</b> <b>10 SE Edna</b> <b>Ganado</b>	05	1745CDT			?	?	?	?	Thunderstorm Winds
<b>Williamson County</b> <b>Countywide</b>	07	1842CDT			0	0	?	?	Hail (1.50)
<b>Jarrell</b>	07	1857CDT			0	0	?	?	Hail (1.50)
<b>Hutto</b>	07	1927CDT			0	0	1M	50K	Thunderstorm Winds
			Roofs were blown off houses as well as the main building of the High School in Hutto. Classes had to be cancelled for the following day. Several barns were flattened, trees were blown over and power lines were destroyed north of Hutto. A high school football game, already underway, was cancelled as the storm approached, and all persons evacuated into the school. This quick action no doubt prevented numerous injuries.						
<b>Travis County</b> <b>Pflugerville</b>	07	1930CDT			0	0	100K	?	Thunderstorm Winds
<b>Countywide</b>	07	1930CDT			0	0	?	?	Thunderstorm Winds (G56)
<b>Robt. Mueller Arpt</b>	07	1946CDT			0	0	?	?	Thunderstorm Winds (G56)
<b>Austin</b>	07	2000CDT			0	7	3M	?	Thunderstorm Winds
<b>Bergstrom Air Force Base</b>	07	2003CDT			0	0	?	?	Thunderstorm Winds (G65)
			Power out to 75,000. May take 48 hours to restore. Numerous structural fires due to lightning. Hundreds of power and phone lines down. Many without power for over 48 hours. The combined effect of high winds and heavy rain caused the collapse of a wall in one building and destroyed the roof of another building in a downtown Austin apartment complex. This forced the evacuation of 50 residents. The driver and passenger in a vehicle were injured when a construction barrier was blown over on their truck. Another driver was injured slightly when lightning struck a truck, tossing out bricks that were stacked in the truck bed. Other minor injuries were reported in Austin due to flying pieces of broken glass. A boatload of tourists on Lake Travis had to be rescued due to the combination of rough waters stirred up by high winds. Several football games were cancelled or terminated early, again preventing injuries.						
<b>Caldwell County</b> <b>Countywide</b>	07	2030CDT			0	0	?	?	Thunderstorm Winds

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September 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
High winds damaged roofs and blew over trees across much of the county. Damage was most significant in the towns of Luling and Lockhart.									
<b>Comal County Canyon Lake</b>	07	2045CDT			0	0	?	?	<b>Thunderstorm Winds</b>
A mobile home was blown over at Tamarac Shores on north end of Canyon Lake.									
<b>Guadalupe County NWS Office</b>	07	2048CDT			0	0	?	?	<b>Thunderstorm Winds (G52)</b>
<b>Gonzales County Gonzales</b>	07	2125CDT			0	0	?	?	<b>Thunderstorm Winds (G52)</b>
Roofs were torn off homes. Lightning caused severe damage to one home.									
<b>Bandera County Bandera</b>	07	2130CDT			0	0	?	?	<b>Thunderstorm Winds</b>
Sheriff's Department reports the roof of a mobile home was blown off.									
<b>Bexar County San Antonio</b>	07	2140CDT			0	0	?	?	<b>Thunderstorm Winds</b>
<b>San Antonio</b>	07	2150CDT			0	1	?	?	<b>Lightning</b>
Trees were knocked over across a large part of San Antonio. One tree fell on a home, causing severe damage. A family was in a car at a drive-in movie when lightning struck. The mother was injured slightly, but none of the other occupants were hurt. Numerous power outages were reported.									
<b>Medina County Castroville</b>	07	2207CDT			0	0	?	?	<b>Thunderstorm Winds</b>
Trees down due to high winds. Damage was also reported to outbuildings.									
<b>Gonzales County 2 NE Smiley</b>	12	1700CDT			0	0	?	?	<b>Thunderstorm Winds</b>
Several chicken coops destroyed.									
<b>TEXAS, South Central Cont'd</b>									
<b>Lee County Countywide</b>	12	2330CDT- 0400CDT			0	0	?	?	<b>Flash Flood</b>
Rainfall totals of between five and seven inches caused extensive flash flooding, especially along Yegua Creek.									
<b>Medina County D'Hanis</b>	14	1145CDT			0	0	0	0	<b>Funnel Cloud</b>
<b>Llano County Llano</b>	18	1725CDT			0	0	?	?	<b>Hail (0.75)</b>
<b>Llano County Countywide</b>	18	1845CDT			0	0	?	?	<b>Hail (1.75)</b>
<b>Burnet County Countywide</b>	18	2005CDT			0	0	?	?	<b>Hail (1.00)</b>
<b>Bexar County Countywide</b>	20	0530CDT- 0930CDT			0	0	?	?	<b>Flash Flood</b>
Rainfall totals of up to five inches caused widespread flash flooding across the county.									
<b>Bandera County Kerr County Medina County Uvalde County Countywide</b>	20	0700CDT- 1300CDT			0	0	?	?	<b>Flash Flood</b>
Flash flooding began shortly after sunrise and continue until just after noon across the four counties. Rainfall had begun early in the evening of the 19th, with spotty light to moderate rainfall. By 0700 CDT the following morning, rain totals were almost five inches in Uvalde County, with three to four inch totals in Bandera, Kerr and Medina Counties.									
<b>Kinney County Countywide</b>	20	0900CDT- 1300CDT			0	0	?	?	<b>Flash Flood</b>
<b>Bandera County Gillespie County Kerr County Countywide</b>	21	0945CDT- 1200CDT			0	0	?	?	<b>Flash Flood</b>
Additional rainfall of two to three inches produced flash flooding across counties that had been in flooding or near flooding the previous day.									
<b>Jefferson County Port Neches</b>	21	1515CDT	0.2	20	0	0	0	0	<b>Tornado (F0)</b>
Groves and Port Neches Fire Department officials witnessed a small tornado touch down twice in the marshes of Port Neches and Groves. No damage occurred.									
<b>Kendall County Countywide</b>	21	1600CDT- 1800CDT			0	0	?	?	<b>Flash Flood</b>
<b>Maverick County Countywide</b>	22	0800CDT- 0900CDT			0	0	?	?	<b>Flash Flood</b>
<b>Zapata County Starr County Countywide</b>	22	1215CDT-							

# Storm Data and Unusual Weather Phenomena

September 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>0100CDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
		Trees were damaged. Numerous three to four inch limbs down in Zapata. Four to six inch limbs down at Falcon and near Falcon Dam.							
<b>Jim Hogg County Countywide</b>	<b>22</b>	<b>0100CDT-0130CDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
		Trees were damaged. Numerous three to four inch limbs down.							
<b>Jim Hogg County Starr County Countywide</b>	<b>22</b>	<b>1215CDT-0300CDT</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Heavy Rain</b>
		Street flooding in Hebronville. Highway 16 between Randado and Hebronville closed by high water. Extensive flooding of homes north of Highway 83 just east of Arroyo Los Olmos. Four feet of water in some homes.							
<b>Starr County Rio Grande City</b>	<b>23</b>	<b>0600CDT-1800CDT</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Flood</b>
		High water in Arroyo Los Olmos produced by Thunderstorms near El Sauz early on the began arriving in Rio Grand City flooding homes adjacent to the Arroyo.							
<b>TEXAS, West</b>									
<b>Pecos County 20 S Ft Stockton</b>	<b>17</b>	<b>1350CST-1500CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
		Flooding rains from thunderstorms in the southern part of the county caused flooding that covered parts of U.S. Highway 285. Widespread flooding of fields was reported as well.							
<b>Upton County 15 NW Rankin</b>	<b>17</b>	<b>1630CST-1730CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
		Thunderstorms dumping torrential rains flooded State Highway 329 and Ranch Road 2463 in the central parts of the county.							
<b>Dawson County Ackerly</b>	<b>18</b>	<b>0845CST-1030CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
<b>Martin County Ackerly</b>	<b>18</b>	<b>0845CST-1030CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
		An early morning thunderstorm dumped flooding rains on the town of Ackerly and also east of south of town. The town is bisected by the Dawson/Martin County line.							
<b>Gaines County 16 NNW Seminole</b>	<b>19</b>	<b>0050CST-0200CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
<b>7 W Seminole</b>	<b>19</b>	<b>0050CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
		A large severe thunderstorm caused flooding rains and damaging winds as it moved from Lea County, New Mexico into Gaines County. The Gaines County Sheriff's Office reported flooding on State Highway 214 in the northern part of the county along McKenzie Draw. Utility crews reported transmission lines and large support structures downed by high winds near the intersection of United States Highway 180 and FM 1757.							
<b>Andrews County 2 SE Frankel City</b>	<b>24</b>	<b>2140CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.75)</b>
<b>2 SE Frankel City</b>	<b>24</b>	<b>2140CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind (G61)</b>
<b>4 SW Andrews</b>	<b>24</b>	<b>2200CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>10 SW Andrews</b>	<b>24</b>	<b>2210CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>12 SW Andrews</b>	<b>24</b>	<b>2210CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.75)</b>
<b>Ector County 5 E Gardendale</b>	<b>24</b>	<b>2238CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
<b>Midland County 12 NW Midland</b>	<b>24</b>	<b>2238CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
<b>Midland</b>	<b>24</b>	<b>2248CST</b>			<b>0</b>	<b>0</b>	<b>2.5M</b>	<b>0</b>	<b>Hail (1.75)</b>
<b>5 S Midland</b>	<b>24</b>	<b>2312CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Hail (1.50)</b>
		A classic supercell thunderstorm moved into northwestern Andrews County after dropping large hail and causing strong winds in Southeast New Mexico. Winds up to 70 mph and golf ball-size hail were reported as the storm moved southeast across parts of the Permian Basin. The storm tracked across Andrews County where power lines were downed southwest of Andrews. The storm moved through the northeast corner of Ector County then into northwestern Midland County making a beeline for Midland. Golf ball-size hail was reported in the western parts of Midland damaging roofs and autos. Just south of Interstate 20 windows were broken at houses as the storm passed through that area.							
<b>UTAH</b>									
<b>Washington County Ivins</b>	<b>06</b>	<b>1350MST-1630MST</b>			<b>0</b>	<b>0</b>	<b>100K</b>	<b>0</b>	<b>Flash Flood</b>
<b>Washington County St. George</b>	<b>06</b>	<b>1400MST</b>			<b>0</b>	<b>0</b>	<b>6.7K</b>	<b>0</b>	<b>Lightning</b>
		Thunderstorms dropped large amounts of rain over the Red Mountains west of Ivins. Doppler radar estimated two inches fell in one hour in this area. Flashfloods coming out of the Padre Canyon inundated the Tuacahn Arts complex with water and mud							

# Storm Data and Unusual Weather Phenomena

September 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>up to two feet deep. Initial damage estimates were \$500 thousand, but many volunteers helped clean up and the amount was reduced. Mud six to 10 inches deep flowed across Highway U-91. In St. George, lightning entered a house and blew a hole in a bathroom wall. Minor wind damage was also reported in St. George. A few homes in the Winchester Hills subdivision incurred flooded basements.</p>									
<b>Garfield County Hatch</b>	<b>06</b>	<b>1637MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
<p>The Garfield County Sheriff reported flashflooding along the Sevier River near Hatch, and that the Asay and Mammoth Creeks were out of their banks.</p>									
<b>Garfield County Bryce Canyon</b>	<b>08</b>	<b>1200MST</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<p>A 55-year-old male was killed by lightning. The man was watering trees when the bolt hit. A female bystander standing 35 feet away was uninjured.</p>									
<b>Davis County Bountiful</b>	<b>17</b>	<b>unknown</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Lightning</b>
<p>Lightning struck a house, and started it on fire on Bountiful.</p>									
<b>UTZ-010-</b>	<b>29</b>	<b>0500MST-</b>							
	<b>29</b>	<b>2300MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heavy Snow</b>
<p><b>UTAH Cont'd</b></p> <p>The first significant snow of the season fell across the Wasatch Mountains. Snow totals included nine inches at the top of Snowbird and six inches at Alta.</p>									
<b>Grand County 22 E Moab</b>	<b>29</b>	<b>1300MST</b>			<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<p>A 32-year-old female was struck by lightning, while repelling down Castle Rock. She received burns to 20% of her body. Two others in the party were uninjured.</p>									
<p><b>VERMONT</b></p>									
<b>Bennington County Sandgate Bondville</b>	<b>14</b>	<b>1120EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	<b>14</b>	<b>1145EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<p>A cold front crossed Vermont during the late morning hours of the 14th. Severe thunderstorms produced damaging winds which downed trees and wires in a couple of locations in Bennington County.</p>									
<p><b>VIRGINIA, Northern</b></p>									
<b>Prince William County Montclair</b>	<b>01</b>	<b>2014EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Lightning</b>
<p>Lightning struck a home in the Montclair development (near Woodbridge), causing extensive roof damage.</p>									
<p><b>VIRGINIA, Eastern</b></p>									
<b>Nottoway County Crewe/Nottoway CH</b>	<b>01</b>	<b>1510EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.75)</b>
	<b>01</b>	<b>1510EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<p>Dime- to golf ball-size hail, trees down and 2.25 inches of rain reported by spotters.</p>									
<b>Mecklenburg County Buffalo Spings</b>	<b>01</b>	<b>1515EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<p>Trees down across Route 58.</p>									
<b>Nottoway County Burkeville</b>	<b>01</b>	<b>1515EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail(1.75)</b>
	<b>01</b>	<b>1515EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<p>Golf ball-size hail and trees down reported by spotter.</p>									
<b>Nottoway County Crewe/Nottoway CH</b>	<b>01</b>	<b>1520EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds Hail (1.75)</b>
<p>Dime to golf ball-size hail, trees down and 2.25 inches of rain reported by spotters.</p>									
<b>Nottoway County Burkeville</b>	<b>01</b>	<b>1520EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds Hail (1.75)</b>
<p>Golf ball-size hail and trees down reported by spotter.</p>									
<b>Nottoway County 4 S Blackstone</b>	<b>01</b>	<b>1525EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<p>Trees were knocked down. A porch and a roof were damaged and a swing set thrown 100 yards by thunderstorm winds.</p>									
<b>Hanover County Mechanicsville</b>	<b>01</b>	<b>1553EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<p>Power pole/line struck by lightning and set on fire.</p>									
<b>Mecklenburg County South Hill</b>	<b>01</b>	<b>1554EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<p>House set on fire by lightning.</p>									
<b>Mecklenburg County South Hill</b>	<b>01</b>	<b>1610EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<p>Dime-size hail reported by spotter.</p>									
<b>Hanover County Mechanicsville</b>	<b>01</b>	<b>1625EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heavy Rain, Hail (1.75)</b>
<p>Golf ball-size hail reported. Heavy rain causing minor street flooding.</p>									
<p><b>Brunswick County</b></p>									



# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
nr Brunswick	01	1630EST			0	0	0	0	Thunderstorm Winds
									Thunderstorm winds toppled a large sweetgum tree.
King & Queen County Shackelfords	01	1630EST			0	0	0	0	Thunderstorm Winds
									Trees down on Route 14, more than 1,000 people without power in King and Queen County.
Henrico County Richmond	01	1657EST			0	0	0	0	Thunderstorm Winds Heavy Rain, Lightning
									Trees were knocked down. Some street were flooding. Three houses were struck by lightning.
Henrico County Richmond	01	1722EST-1830EST			0	0	0	0	Flash Flood
<b>VIRGINIA, Eastern Cont'd</b>									
									Significant street flooding reported in many areas of Richmond.
Chesterfield County Midlothian	01	1722EST			0	0	0	0	Heavy Rain
									Heavy rain resulted in standing water on many primary and secondary roads.
Gloucester County Claybank Susan	01	1815EST			0	0	0	0	Thunderstorm Winds
									Several trees were knocked down. Tree down on power lines in Susan and 5,000 customers were without power in Gloucester County.
Middlesex County Saluda	01	1820EST			0	0	0	0	Thunderstorm Winds
									Many trees were downed. Power was out to 2,500 in Middlesex County.
Mathews County	01	1830EST			0	0	0	0	Thunderstorm Winds
									Trees down many areas of county and 4,000 residents without power.
Mathews County Mathews	01	1810EST			0	0	0	0	Lightning
									Several fires started by lightning.
Northampton County Cape Charles	01	1915EST			0	0	0	0	Thunderstorm Winds
									Trees down from Cape Charles to the Chesapeake Bay Bridge Tunnel.
Central and Eastern Virginia VAZ48>49-60>100	01-30				0	0	0	0	Drought
									Dry weather, which began affecting Virginia in mid to late July, persisted into the middle of September, before beneficial rains began to fall. However, the rain came too late to help many of the fall harvested crops impacted by the earlier dry weather. Soybeans appeared to be the crop damaged most by the dry weather, with almost two-thirds (62%) of the crop in poor to very poor condition by late September. Peanuts, a large cash crop in south-central and southeast Virginia, were also negatively impacted, with late September estimates placing 45 percent of the crop in poor to very poor condition. On September 12 Governor Allen convened the Virginia Drought Monitoring Task Force to assess and monitor statewide drought conditions, and attempt to find solutions to problems such as dry wells and low reservoir levels, and on September 14th, the governor declared a statewide State of Emergency due to the drought. Low water levels in Lake Drummond forced the temporary closure of the Dismal Swamp Canal, a main recreational marine link between the Albemarle Sound and the Chesapeake Bay. Chloride levels in the Chesapeake City water system reached the highest level in 10 years.
Northampton County	01-30				0	0	0	2.5M	Drought
Accomack County					?	?	?	7.0M	Drought
									Soybean crop losses for Northampton County due to the drought are estimated at \$2.5 million, and nearly \$7 million in Accomack County.
Suffolk County Suffolk	05				0	0	0	\$13M	Drought
									In response to severe drought conditions, the Suffolk City Council declared the city a Drought Disaster Area. Crop losses were estimated at \$13.3M, with roughly 50 percent of the peanut, cotton and soybean crops lost due to the drought.
Caroline County	19				0	0	0	\$1M	Drought
									Crop losses due to drought in the area estimated at \$1 million.
<b>VIRGINIA, Central</b>									
Southwest, West-Central and South-Central Virginia Zones 007-009>020-022>024-032>035-043>047-058-059-	01-17	0001EST-1500EST			0	0	?	?	Drought
									A drought which started earlier in the summer peaked in many sections of southwest, south-central and west-central Virginia during the first two weeks of September. The drought damaged crops and resulted in many lakes and rivers being well below normal levels. Governor George Allen declared a state of emergency for southwest, south-central and west-central Virginia because of the drought. Widespread significant rainfall on the 17th helped to alleviate the dry conditions.

# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
Giles County 1 S Pearisburg	01	1150EST			0	0	?	?	Thunderstorm Winds
Grayson County Elk Creek	01	1215EST			0	3	12K	?	Lightning
Franklin County Callaway	01	1230EST			0	0	?	?	Thunderstorm Winds

## VIRGINIA, Central Cont'd

Franklin County Rocky Mount	01	1230EST-1435EST			0	0	?	?	Flash Flood
Montgomery County 4 ESE Radford	01	1234EST			0	0	?	?	Hail (0.75)
Montgomery County Christiansburg	01	1240EST			0	0	?	?	Hail (0.88)
Montgomery County Christiansburg	01	1243EST			0	0	10K	?	Lightning
Franklin County 4 E Rocky Mount	01	1245EST			0	0	?	?	Hail (1.00)
Floyd County 5.5 W Check	01	1305EST			0	0	?	?	Thunderstorm Winds
Floyd County Check	01	1320EST			0	0	?	?	Thunderstorm Winds
Henry County 2 NW Collinsville	01	1327EST			0	0	?	?	Hail (0.75)
Pittsylvania County Chatham	01	1329EST			0	0	?	?	Thunderstorm Winds
Pittsylvania County Callands	01	1344EST			0	0	?	?	Thunderstorm Winds
Franklin County 5 S Boones Mill	01	1345EST			0	0	7.5K	?	Lightning
Henry County 3 SE Martinsville	01	1408EST			0	0	?	?	Thunderstorm Winds
Halifax County Volens	01	1430EST			0	0	?	?	Thunderstorm Winds
Buckingham County 6 E Buckingham	01	1435EST			0	0	?	?	Thunderstorm Winds

Thunderstorms during the late morning and afternoon hours on the 1st resulted in hail up to quarter size, damaging lightning, damaging winds and flash flooding. Thunderstorm winds knocked down trees one mile south of Pearisburg, 5.5 miles west of Check, 3.5 miles southeast of Martinsville, six miles east of Buckingham, in Callaway, Volens, Check and Callands. Thunderstorm winds broke off 12-inch diameter tree limbs in Chatham.

Lightning damaged a home and injured three people in Elk Creek. Lightning started a fire which damaged a carport and a house five miles south of Boones Mill. Lightning started a fire which destroyed a barn in Christiansburg. Up to 4.5 inches of rain from 1145 EST to 1345 EST in Rocky Mount resulted in creeks out of their banks, roads being flooded and a motorist being stranded in her vehicle.

## VIRGINIA, Southwestern

VAZ01-02-05-06  
-08

SW Virginia	All Month				0	0	?	?	Drought
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An extended period without measurable precipitation has brought widespread drought conditions to all of Southwest Virginia. A state of emergency was declared due to low water levels and crop damage.

## VIRGINIA, Northwestern

VAZ003-004

	01-21				0	0	0	?	Drought
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The late summer drought reached its peak during the second week of this month. In Dickenson County, local resources were strained hauling water to replenish dry wells for human and livestock consumption. The rains on the 16th and 22nd improved the surface water flow greatly.

## WASHINGTON

None reported.

## WEST VIRGINIA, Northern

Brooke, Hancock  
Marion, Marshall  
Monongalia, Ohio  
Wetzel Counties

	Month Long				0	0	0	300K	Drought
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After near record heat in August and no widespread rainfall from early August to early September, the drought conditions had taken a toll on areacrops. In the hardest hit counties of Wetzel and Marshall, corn losses were 10-15 percent, losses to pastures were 15-20% and losses to second haycutting were around 30%. Many farmers did not have a third hay cutting. Losses in these two counties were estimated at \$200 thousand. Though no major damage was reported in the other counties in northern West Virginia (agricultural losses of around 10% were assessed), an estimated average loss of \$20 thousand per county was assigned.

## WEST VIRGINIA, Eastern

# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
None reported.									
<b>WEST VIRGINIA, Southeastern</b>									
None reported.									
<b>WEST VIRGINIA, Western</b>									
Wyoming County Baileysville	01	1045EST			0	0	2K	0	Thunderstorm Winds
Several large tree branches were blown down across power lines and roads.									
WVZ005-006-007-008-009-010-011-013-014-015-016-017-018-019-020-027-028-029-030-031-032-037-038-039-040-046-047	01-21				0	0	0	?	Drought
The drought conditions that developed last month reached their peak during the second week of this month. The light rain on the 12th ended a 26 day dry spell at Elkins. Only once before in 1924 had Elkins went 26 days without precipitation. Clarksburg had 27 days without rain, Huntington 24 days, while both Charleston and Parkersburg saw 21 consecutive rainless days. Schools in the Tygart Valley near Mill Creek closed early in the month due to the lack of water. Just as the drought was beginning to affect ground water supply, welcome widespread rain fell on the 16th and the 22nd. These rains improved the surface water availability greatly.									
WVZ009	23	0700EST			0	0	0	0	Record Cold
To match the arrival of autumn, Parkersburg's low of 32 degrees equalled their coldest reading ever recorded during the month of September.									
<b>WISCONSIN, Northwest</b>									
Bayfield County Washburn	06	1400CST			0	0	?	0	Thunderstorm Winds
Many trees and large limbs were blown down. Hail of undetermined size damaged vehicles and knocked out windows.									
Price County Catawba	06	1615CST			0	0	0	0	Hail (1.75)
Prentice	06	1626CST			0	0	0	0	Hail (0.75)
4 S Prentice	06	1645CST-1710CST	8	100	0	1	150K	0	Tornado (F1)
A tornado touched down just west of State Highway 13, about four miles south of Prentice in southern Price County, and traveled east southeast for about eight miles, to near Spirit. The path was through a sparsely populated area parallel to and just north of State Highway 86. The tornado destroyed one mobile home and damaged another, causing about \$150 thousand in damage. One man was injured when he left the shelter of a neighbor's basement to rescue a pet bird.									
WIZ003-004 NW Wisconsin	22	0200CST-1200CST			0	0	?	?	Heavy Snow
North winds off Lake Superior produced up to six inches of lake-effect snow over northern portions of Ashland and Iron Counties. This was one of the earliest snowfalls on record for the area. Many trees still had leaves on them, which helped the wet, heavy snow stick to the branches. The weight of the snow then caused the branches to break off. The snow and falling branches also brought down power lines, knocking out electricity to over 2,000 customers of the Bayfield Rural Electric Cooperative. Slippery roads caused by the snow resulted in numerous traffic accidents, including several jackknifed tractor-semitrailers.									
Douglas County 6 W Dairyland	30	1630CST			0	0	?	?	Thunderstorm Winds
Many large trees, up to three feet in diameter, were broken off or uprooted in a rural area of southwest Douglas County. Power lines were also knocked down, causing electrical outages in the surrounding area. There was little or no structural damage.									
<b>WISCONSIN, Southeast</b>									
Vilas County St. Germain	06	1630CST			0	0	?	?	Hail (1.50)
Eagle River	06	1641CST			0	0	?	?	Hail (1.75)
Eagle River	06	1715CST			0	0	?	?	Hail (1.75)
Oneida County Hazelhurst	06	1640CST			0	0	?	?	Thunderstorm winds
6 SW Eagle River	06	1700CST			0	0	?	?	Hail (1.75)
Forest County Nelma	06	1700CST			0	0	?	?	Hail (0.75)
4 NE Pickerel	06	1830CST			0	0	?	?	Thunderstorm Winds
Lincoln County 12 W Tomahawk	06	1715CST			0	0	?	?	Hail (0.75)
12 W Tomahawk	06	1715CST			0	0	?	?	Funnel Cloud
8 NW Merrill	06	1750CST			0	0	?	?	Hail (0.88)
5 SE Tomahawk	06	1755CST			0	0	?	?	Thunderstorm Winds (G52)
Gleason	06	1810CST			0	0	?	?	Thunderstorm Winds
Clark County Thorp	06	1758CST			0	0	?	?	Thunderstorm Winds
Thorp	06	1815CST			0	0	?	?	Thunderstorm Winds
<b>WISCONSIN, Southeast Cont'd</b>									
Taylor County Medford	06	1805CST			0	0	?	?	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

September 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>Langlade County</b>									
<b>Deerbrook</b>	06	1830CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Pickrel</b>	06	1830CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Marathon County</b>									
<b>Stratford</b>	06	1905CST			0	0	?	?	<b>Thunderstorm Winds</b>
Severe thunderstorms moved through parts of north-central and northeast Wisconsin during the late afternoon and evening hours, producing large hail, damaging winds to at least 60 mph, and isolated torrential downpours. Hail up to 1.75 inches in diameter (golf ball-size) pummeled parts of Vilas and Oneida counties. Hardest hit was the Eagle River (Vilas County) area, where two consecutive hail storms hit. Strong thunderstorm winds blew down light poles in Hazelhurst (Oneida County), and uprooted large trees just south of Hazelhurst near Bear Skin Lake. Numerous trees and power lines were felled near Crane and Pickrel Lakes in the far southwest corner of Forest County. Trees were snapped off or uprooted southeast of Tomahawk and in Gleason (Lincoln County); in Medford (Taylor County); and in the Deerbrook and Pickrel areas (Langlade County). The Thorp area (Clark County) was hit by two rounds of thunderstorms. The first round had violent winds tipping over a mobile home and airborne debris damaging a few vehicles. In the second round several trees were toppled by high winds. Powerful thunderstorm winds also pulled down telephone poles in Stratford (Marathon County).									
<b>Vilas County</b>									
<b>Lac du Flambeau</b>	15	2326CST			0	0	?	?	<b>Hail (0.75)</b>
<b>Sayner</b>	15	2340CST			0	0	?	?	<b>Hail (0.75)</b>
<b>Phelps</b>	16	0025CST			0	0	?	?	<b>Thunderstorm Winds</b>
Severe thunderstorms moved through Vilas County, producing dime-size hail at Lac du Flambeau, and the Arbor Vitae/Sayner area. Farther to the northeast, the powerful thunderstorm winds blew large trees down in the Phelps area.									
<b>Richland County</b>									
<b>2 NW Lone Rock</b>	30	1842CST			0	0	?	?	<b>Hail (0.75)</b>
<b>Adams County</b>									
<b>Quincy</b>	30	1942CST			0	0	?	?	<b>Thunderstorm Winds</b>
Scattered severe thunderstorms affected parts of south-central and southwest Wisconsin during the evening. Powerful thunderstorm winds snapped large tree branches in Quincy township (Adams County), while three-quarter inch hail was reported near Lone Rock (Richland County).									
<b>WISCONSIN, Western</b>									
<b>Dunn County</b>									
<b>2 N Colfax</b>	06	1625CST			0	0	?	?	<b>Hail (1.75)</b>
<b>Chippewa County</b>									
<b>2 SE Boyd</b>	06	1745CST	Short	25	0	0	10K	?	<b>Tornado (F0)</b>
Barn destroyed and machine shed damaged. Trees were also damaged.									
<b>Pierce County</b>									
<b>Maiden Rock</b>	30	1755CST			0	0	0	0	<b>Hail (1.00)</b>
<b>WYOMING</b>									
<b>Park County</b>	04	1900MST			0	0	3K	0	<b>Thunderstorm Winds</b>
Thunderstorm winds toppled 30 trees in the Squaw Creek Cabin group on the upper Clark's Fork River. That area is 35 miles northwest of Cody. Two cabins were damaged by falling trees.									
<b>Sweetwater County</b>	04	1950MST			0	0	0	0	<b>Thunderstorm Winds (G52)</b>
Thunderstorm winds gusted to 60 mph at the Flaming Gorge Marina.									
<b>Crook County</b>									
<b>Moorcroft</b>									
<b>Campbell County</b>									
<b>Rozet</b>	04	2000MST			0	0	.2M	0	<b>Thunderstorm Winds</b>
Damage was extensive in Moorcroft due to strong thunderstorm winds. Two-thirds of the roof at the high school was severely damaged. Also, many trees and mainly small buildings were damaged. A grainery filled with grain was lifted off the grain near Rozet and landed one-half mile away. In addition, three telephone poles were knock over by the winds near Moorcroft.									
<b>Sweetwater County</b>	04	2040MST			0	0	10K	0	<b>Thunderstorm Winds</b>
Thunderstorm winds downed power lines at Jamestown. Jamestown is 17 miles west of Rock Springs.									
<b>Sweetwater County</b>	04	2047MST			0	0	0	0	<b>Thunderstorm Winds (G50)</b>
Thunderstorm winds gusted to 58 mph, 34 miles east of Rock Springs.									
<b>Laramie County</b>	05	1727MST			0	0	0	0	<b>Thunderstorm Winds (G52)</b>
Thunderstorm winds gusted to 60 mph, ten miles northwest of Cheyenne.									
<b>Park County</b>									
<b>Big Horn County</b>	08	1400MST-			0	0	15K	0	<b>Thunderstorm Winds</b>
	08	1630MST			0	0	0	0	<b>Thunderstorm Winds</b>
Thunderstorms moved from the Absarokas to the Big Horns. The storms produced strong winds and lightning, which knocked out power in the area for up to three and one-half hours east of Lovell. About 1,750 feet of line was downed by strong winds west of Lovell. Four inches of hail fell in Meeteetse and winds also felled a tree.									
<b>WYOMING Cont'd</b>									
<b>WYZ015-062-059-060</b>									
<b>East Central</b>	19	2200MST-			0	0	13K	0	<b>Winter Storm</b>
	20	0500MST			0	0	0	0	<b>Winter Storm</b>
An early season winter storm dropped six to 12 inches of snow from Casper and the south end of the Big Horn Mountains east to the Nebraska border. The snow damaged trees, breaking many branches. Power was out in the area for a time in the morning, with as many as 4,000 homes without power from Casper to Glenrock. In Lusk, the snow snapped a two by four beam in a building.									
<b>Johnson County</b>	25	1600MST			0	1	0	0	<b>Lightning</b>

# Storm Data and Unusual Weather Phenomena

September 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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A 40-year-old man was struck by lightning, west of Buffalo. He was working on a water well at the time.

## ALASKA, Northern

**AKZ007**

**21 0600 0 0 0 0 High Winds**

A strong storm developed in the Gulf of Alaska and produced winds gusting to between 60 and 65 mph for several hours at a construction site with unofficial weather recording equipment at Healy, a town situated in a pass of the Alaska Range. The site likely received these high winds as a result of an east-west oriented canyon funneling the wind to the site. The highest official gust recorded at the Healy Airport, which blows from the north-south orientation of the pass was 47 mph, while at Big Delta the strongest gust recorded was 51 mph. Other locations across the Tanana Valley reported gusty east winds, all below criteria, but not a usual occurrence during the warm season.

## ALASKA, Southern

**Ern Aleutians**

**08-09 0 0 ? ? High Winds**

A 970mb low moved northeast across Shemya into the southern Bering Sea Friday (9/9) then continued eastward where it began to weaken in Western Bristol Bay early Sunday. Winds from 45 to 55 mph were reported by many ships in the area and also at the Adak Naval Station.

**Ak Pen Aleutians**

**12-15 0 0 ? ? High Winds**

A Deep 978mb low moved out of the Western Pacific to the Komandorskiye Islands Tuesday (9/12). The low began to weaken and drift slowly east across the Southern Bering Sea, weakening to a 1000mb center 300 miles north of Amchitka late Friday afternoon. The front associated with this low moved east and north, extending from the Pribilof Islands to Dutch Harbor at 1000 Thursday (9/14). The low produced wind gusts of at least 40 mph at Shemya on Tuesday. The front caused local wind gusts to 44 mph at Cold Bay Friday (9/15).

**Kodiak Island  
Alaska Peninsula  
Bristol Bay  
North Gulf Coast**

**16-18 0 0 10K ? High Winds**

A Central North Pacific low curved north northwest to near Cold Bay as a 982mb center just southwest of Cold Bay early Monday (9/18), elongating northwestward across the Northern Bering Sea thereafter. The front associated with this system moved north and northwest, extending from the Central Gulf of Alaska to Kodiak and Togiak at 2200 Sunday (9/17), then became diffuse from the Yukon-Kuskokwim Delta to the northwest corner of the Alaska Range and to near Yakutat at 1000 Monday (9/18). Precipitation was locally heavy around Prince William Sound, including the communities of Seward, Cordova and Valdez where minor flooding was reported. Peak winds at selected locations were.

Place	Date	Speed (mph)
King Salmon	9/17	43
Port Heiden	9/17	44
Sitkinak (Kodiak Isl.)	9/17	41
Cape Newenham	9/17	47
Iliamna	9/18	46
Togiak	9/18	43
Cordova	9/18	44
Anchorage (hillside)	9/18	55+

**Southern Mainland  
Aleutians  
Alaska Peninsula  
Kodiak Island**

**18-25 0 0 7.5M 10K High Winds, Heavy Rains**

Remains of typhoon "Oscar" moved from northeast of Japan into the Northern Pacific, continuing on an eastward track that kept this intense 955mb low about 200 miles south of the Aleutian Chain. Winds on the periphery of the system gusted to 46 mph at Adak on Tuesday (9/19). Multiple ships in the area reported sustained wind from 55 to 70 mph within about 180 miles around the north semicircle of the low and up to 360 miles around the southern semicircle of the center from Monday until Wednesday morning, when the center began to dissipate some 750 miles south of Kodiak. Precipitation from this system was confined to the Aleutians and parts of the Alaska Peninsula, and although significant, not abnormally so. In advance of this system, however, a strong low (deeper than 976mbs) developed along the trailing front that produced wind and locally heavy rains during the prior weekend. This low moved from 40 North latitude/155 West longitude (1100 miles south of Kodiak) at 4pm Monday (9/18) to 180 miles southeast of Cold Bay as an intense 958mb center at 10 am Wednesday (9/20). The low then began to weaken and loop northwest...moving by Port Heiden (on the Alaska Peninsula) as a 978mb center at midday Thursday (9/21). Subtropical moisture ahead of this system produced heavy rains from Kodiak Island into the Western Alaska Range and across Prince William Sound and the surrounding Chugach Mountains. Rainfall amounts in 11 hours reached 5.4 inches at Seward. Storm total reached close to 8.25 inches at the Alyeska Mountain reporting site, 7.24

## ALASKA, Southern Cont'd

inches at Glacier Creek (near Seward), 5.10 inches in Turnagain Pass and 4.4 inches at Lakewview (south of Lawing). Glen Alps (Upper Anchorage hillside), recieved 3.4 inches, while the Eagle River visitor center reported a total of three inches. Heavy rains caused high water on the Tiekel and Lowe Rivers around Valdez. Additionally, some damage occured in parts of the Copper River Basin. High water, mudslides and debris carried into bridgepillings caused problems around Seward, Whittier, Palmer (especially around the Knik River where a bridge across Hunter Creek was wiped out), around Cordova, the Eagle River and Chugiak communities just north of Anchorage and Girdwood (located in Turnagain Arm), and in the Western Susitna Valley around Lake Creek and Skwentna. Strong winds were reported in advance of this system...gusting to...

Speed (mph)	Location	Date
43	Cold Bay	9/19
45	Port Heiden	9/20
60	Kodiak	9/19
66	Sitkinak	9/19
56	Iliamna	9/19 and 9/20

# Storm Data and Unusual Weather Phenomena

September 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property - Crops	Character of Storm	
					Killed	Injured			
	58	Anchorage (Hillside)		late 9/19 and 9/20					
	46	Togiak 9/20							
	43	King Salmon 9/20							
	61	Middleton Island 9/19							
	52	Cordova 9/20							
	48	Whittier 9/19							
	58	Sparrevhon A.F.B.	9/20						
<b>Kenai River</b>	<b>20-02</b>				<b>0</b>	<b>0</b>	<b>10M</b>	<b>0</b>	<b>River Flood</b>
		Heavy rains from the storm system that affected southcentral Alaska from the 18-25 caused extensive flooding along the Kenai River resulting in lost homes and property. An additional component to the high water was due to glacial melt which resulted from very high freezing levels. No lives were lost in this event.							
<b>Kodiak Island</b>	<b>26</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>High Winds</b>
		A moderate 1000mb low in the southern Gulf of Alaska and a building ridge into southwest Alaska produced wind gusts of 50 mph just off the southwest coast of Kodiak Island at Sitkinak Island.							
<b>Aleutians Alaska Peninsula Southwest Ak Coast</b>	<b>26-27</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>High Winds</b>
		A moderate low moved northward into the Bering Sea between Amchitka and Shemya deepening to an intense 967mb center 400 miles north of Amchitka at 4am Wednesday (9/27). The low then remained nearly stationary and began to weaken Thursday (9/28). The front associated with this low lay in a north-south line through the central Aleutians Tuesday morning, elongating north and east before weakening along a line from 120 miles north of Saint Matthew Island to Hooper Bay along the southwest coast to Port Heiden along the upper part of the Alaska Peninsula. On the 26th, winds ahead of the front peaked at 44 mph at Adak 40 mph at Cold Bay and 45 mph at Saint Paul. On the 27th, winds reached 46 mph at Cape Newenham. Around the low winds gusted to 51 mph at Shemya on the 27th and 40 mph at Adak on the 28th.							
<b>Alaska Peninsula</b>	<b>30</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>High Winds</b>
		A low moved northeast from the north-central Pacific, deepening to a 971 mb center near Sand Point at 1600 Saturday (9/30). Wind gusts reached 47 mph at Dutch Harbor and 5 mph at the Weather Service Office in Kodiak. Ship reports around the south and southwest side of the low indicated sustained winds as high as 60 mph.							
<b>HAWAII</b>									
<b>HIZALL</b>	<b>01-30</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Excessive Heat</b>
		The average daily high temperature for the month at the Honolulu International Airport was 91.3F, 2.8F above normal. Record high temperatures occurred on four days, and nine daily record highs were tied. The high of 96F at Kahului, Maui on the 19th set an all time record high for the month. Power consumption soared and Maui County Electric County reported the highest peak load ever on the same day. Hilo set record high temperatures on the 22nd, 23rd, 24th, and 27th.							
<b>Hawaii HIZ004</b>	<b>01-30</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Drought</b>
		On the 23rd, the Hawaii County mayor expanded a drought declaration for the Kau, North Kohala, and South Kohala districts, to include the Hamakua, Hilo, and Puna districts on the Big Island's normally much wetter windward side. The potential for severe fire hazards increased in all districts. Through the 23rd, Hilo received just 1.26 inches of rain, 15% of normal for the month.							
<b>Maui HIZ003</b>	<b>05 2200HST</b>				<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
		Four campers in the Oheo Gulch section of Haleakala National Park were caught in a flash flood while swimming at night in pools above Palikea Stream. One man blacked out and was swept over three waterfalls, down the stream, and into the ocean. He was found six hours later on the coast about three miles from Oheo Gulch with only minor injuries.							
<b>Oahu HIZ002</b>	<b>06 1535HST</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Funnel Cloud</b>
		Funnel cloud over Kunia reported by weather spotter.							
<b>Kauai HIZ001</b>	<b>30 1400HST</b>				<b>0</b>	<b>0</b>	<b>15K</b>	<b>?</b>	<b>Flash Flood</b>
		An upper level disturbance set off thunderstorms over the north central part of the island. The Hanalei River and Waioli Stream overflowed, closing two bridges. 11.35 inches of rain fell in 24 hours at Hanalei. Eleven families living along the Waioli Stream were evacuated. Long time residents reported some of the most widespread flooding they had ever seen in Hanalei.							
<b>PACIFIC</b>									
		None reported.							
<b>PUERTO RICO</b>									
		Data not received.							
<b>VIRGIN ISLANDS</b>									
		Data not received.							

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.

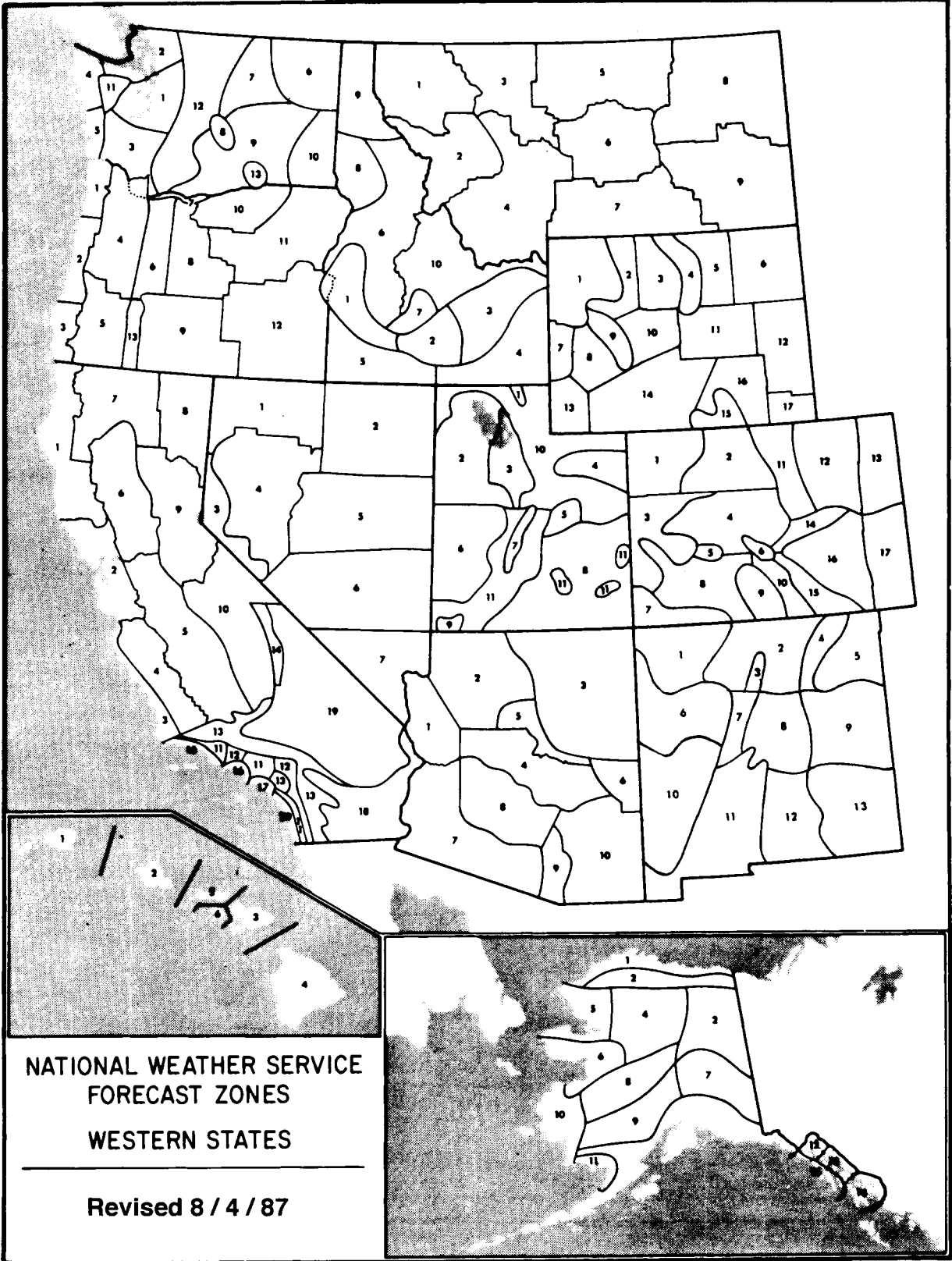
Definition of Fujita Tornado Scale (F scale)

- (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*
- 

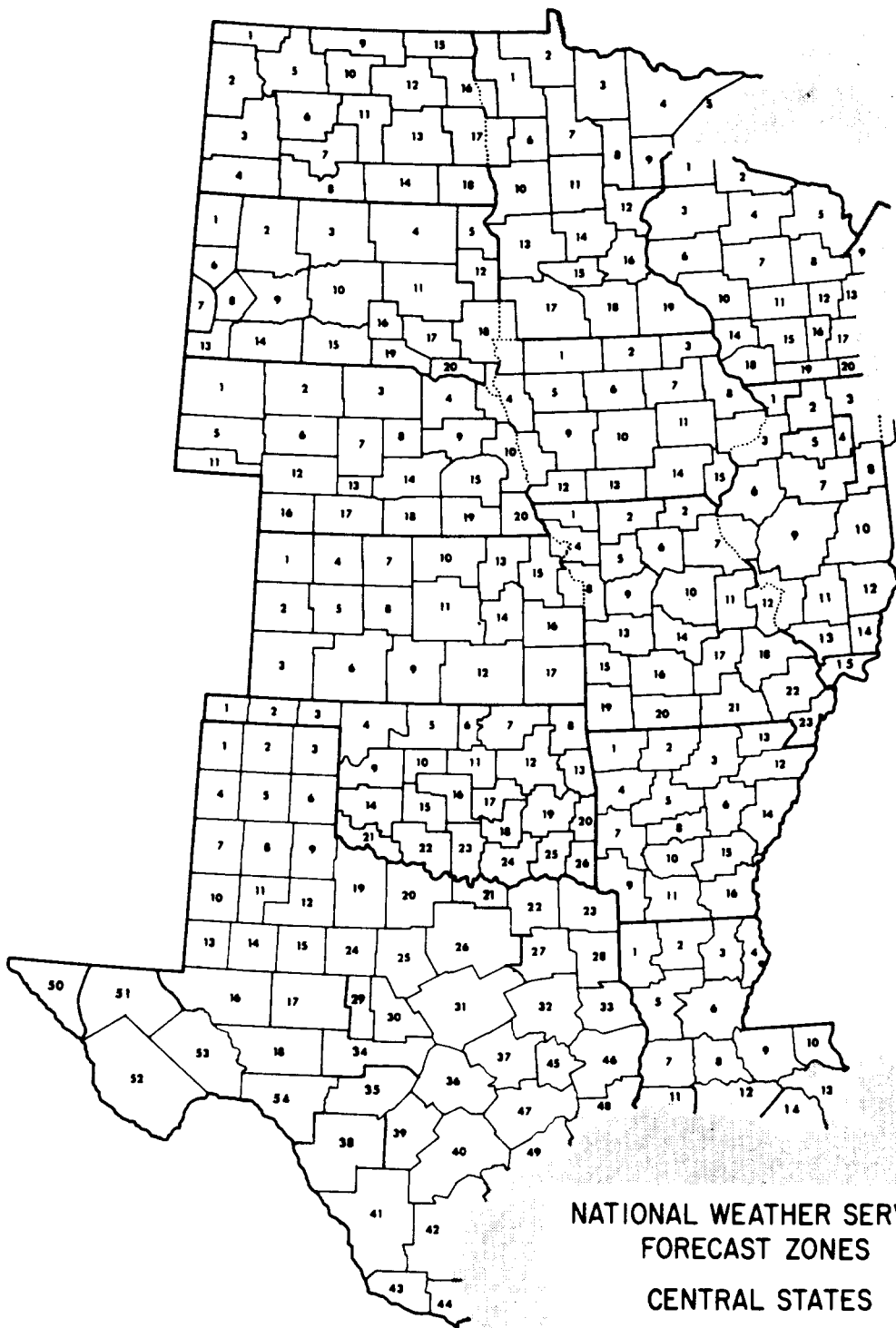


From J. Atmos. Sci., August 1981, p. 1517-1519



NEW FORECAST ZONE-MAPS TO BE PUBLISHED SOON

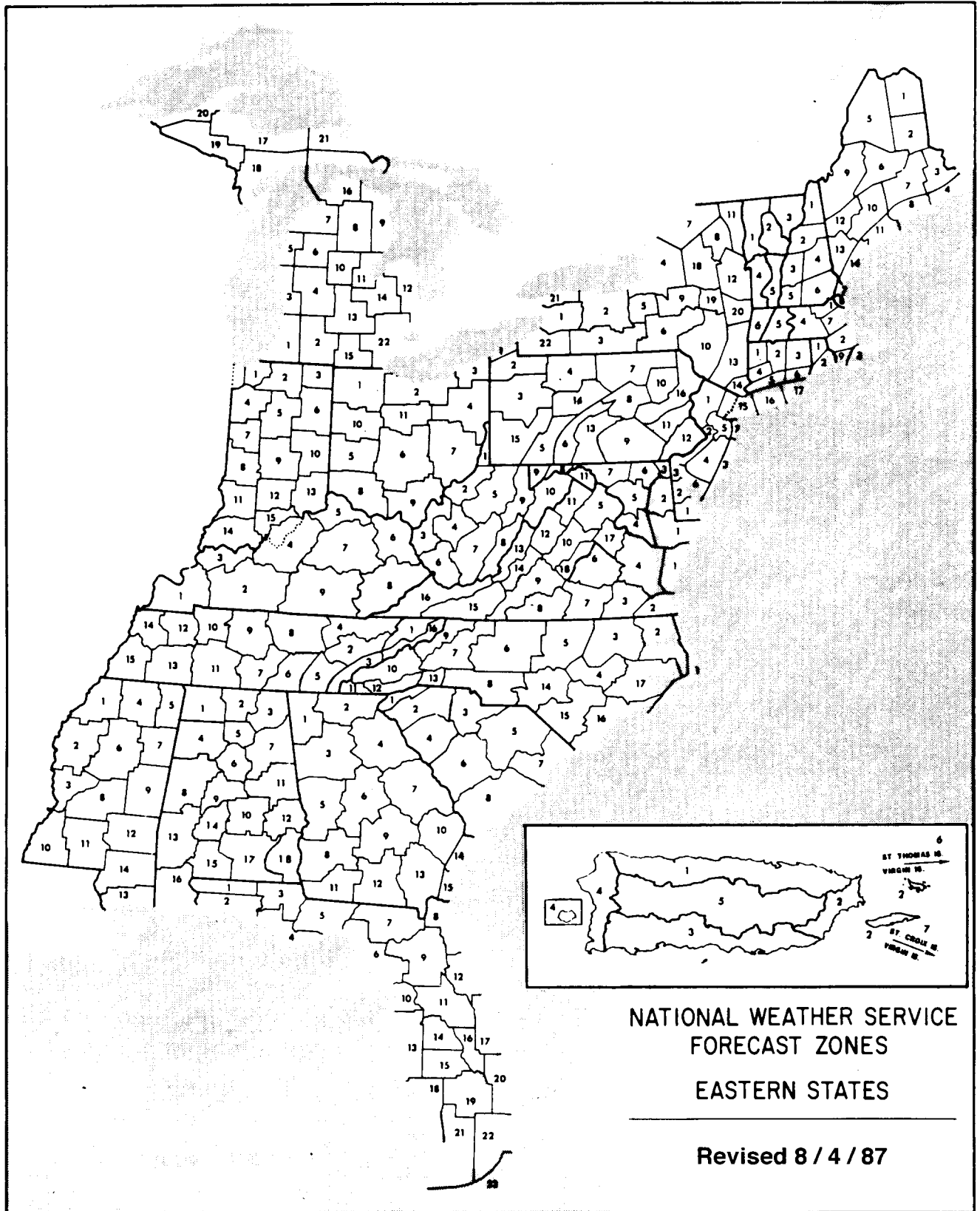




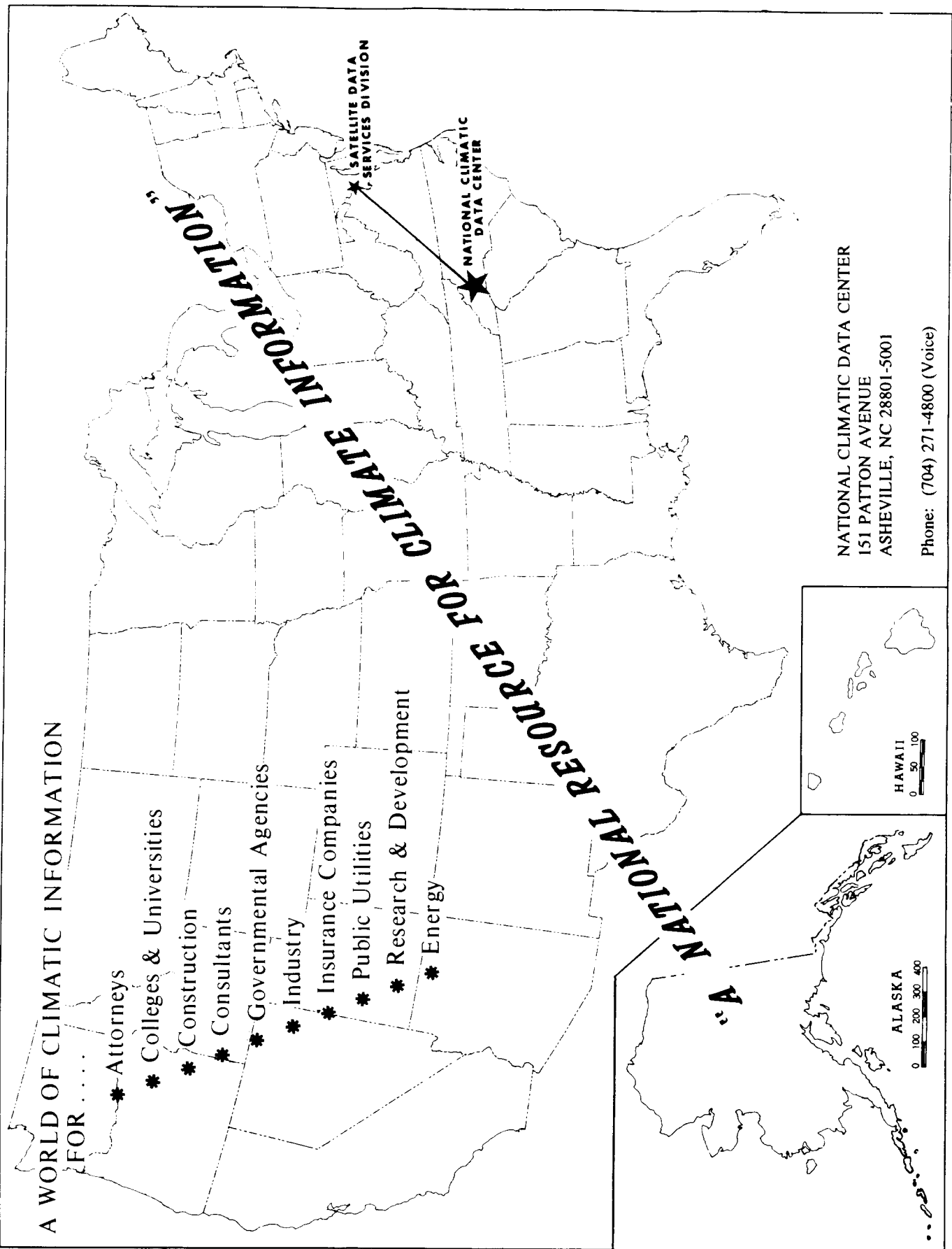
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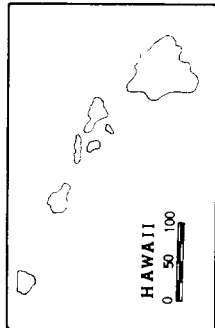
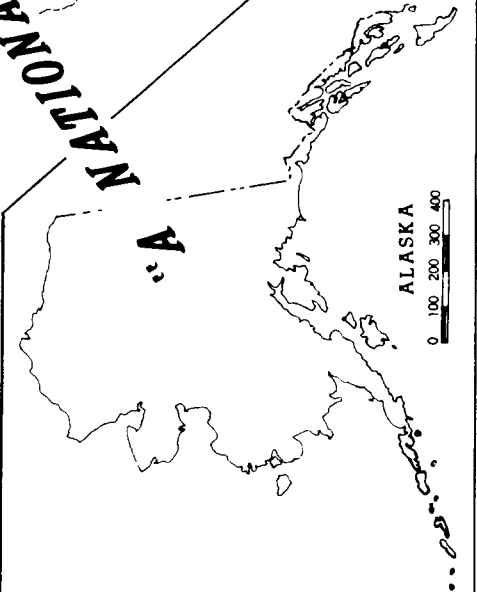
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