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W 541

STORM DATA

AND UNUSUAL WEATHER PHENOMENA
WITH LATE REPORTS AND CORRECTIONS



noaa NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE
DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, N.C.

Cover: This photograph of downed utility poles in Tempe, Arizona on July 10, were indicative of the type of damage which occurred in Phoenix, Arizona on August 14. A downburst from a severe thunderstorm cell produced a reported wind gust of 115 mph, a possible new wind gust record for the state of Arizona. Insured losses totaled over \$160 million dollars. One fatality and at least 8 injuries were attributable to the storm. (*Photograph courtesy of Toru Kawana and Rick Wiley, Tempe Tribune, Tempe, AZ*)

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STORM DATA

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National Climatic Data Center

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The Storm Data and Unusual Weather Phenomena narratives and Hurricane/Tropical Storm summaries are prepared by the National Weather Service. Monthly and annual statistics and summaries of tornado and lightning events resulting in deaths, injuries, and damage are compiled by cooperative efforts between the National Climatic Data Center and the National Severe Storms Forecast Center.

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.

Except for limited editing to correct grammatical errors, materials submitted are generally published as received.

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National Climatic Data Center
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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:

Grant W. Goodge
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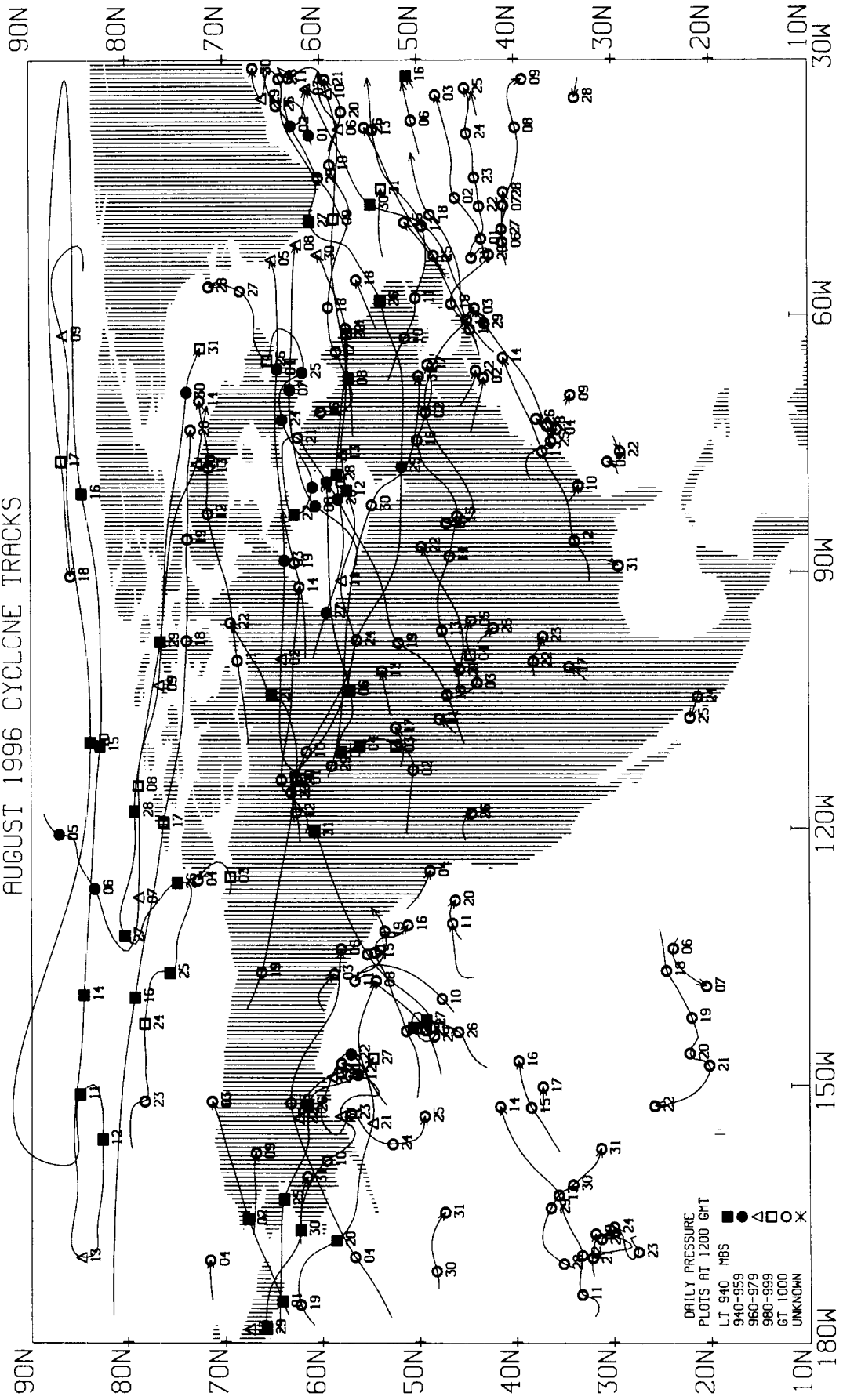
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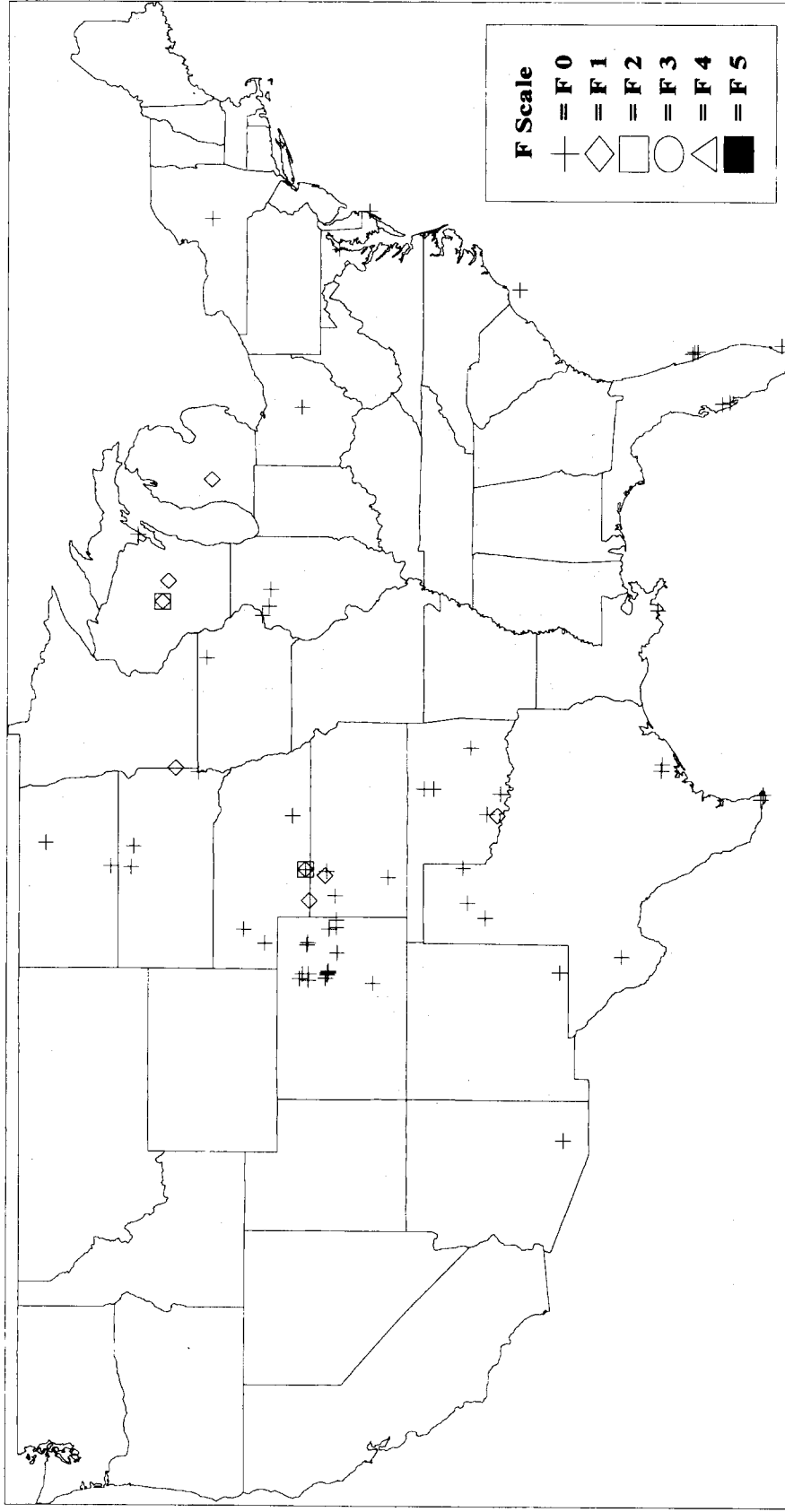


Director,
National Climatic Data Center

AUGUST 1996 CYCLONE TRACKS



AUGUST 1996 CONFIRMED TORNAOES

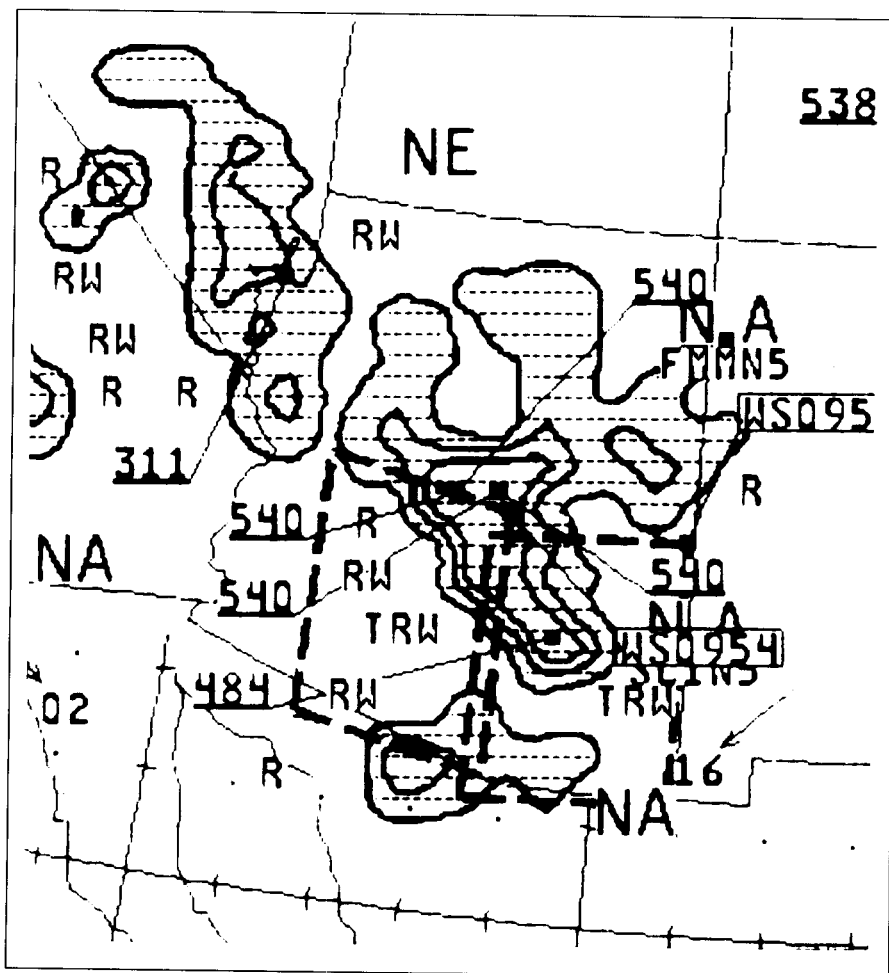


F SCALE	F 0	F 1	F 2	F 3	F 4	F 5	TOTAL
NUMBER	62	8	2	0	0	0	72

OUTSTANDING STORMS OF THE MONTH

1. STRONG THUNDERSTORM WINDS CAUSE DAMAGE IN ARIZONA

A strong thunderstorm complex developed in southern Arizona during the afternoon and evening of August 14. The atmosphere became unstable as low-level moisture from the Gulf of California and the Pacific Ocean moved over the area with cool, dry air at upper levels. The afternoon temperatures in the Phoenix area were about 105 degrees while the surface dewpoint temperatures were in the upper 60's. Once the atmosphere became unstable, severe multicell thunderstorms formed to the north and east of Phoenix. Strong outflow boundaries from these storms converged over Phoenix, causing a new thunderstorm cell to develop. The strong downdraft in this cell (called a downburst) produced a 100 knot (115 mph) wind gust at the Deer Valley Municipal Airport. This was reported as a new wind gust record for Arizona. Damage was extensive to the northern sections of the Phoenix metropolitan area as many trees, power lines and commercial signs were downed. There were about 88,000 residential and commercial insurance claims filed with over \$160 million in damage. Only one storm related death occurred when two cars collided at an intersection where electrical power was interrupted to the traffic signal. Eight injuries occurred in a mobile home park as a result of un-anchored homes being blown from their foundations.



Left: The radar summary chart of the Arizona area at 0035 UTC (5:35 PM MST). Note the indicated cloud top heights of 54,000 feet. The chart shows individual storm cells moving southwest at 16 knots (19 mph). The National Weather Service had issued two severe thunderstorm watches for much of the afternoon and evening for south-central and southeastern Arizona.

*(Radar Summary chart
courtesy of the National
Center for Environmental
Prediction, Suitland, MD)*

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
ALABAMA, North Central									
Autauga County Prattville	08	1300CST 1445CST			0	0	10K	0	Flash Flood
Downtown Prattville and parts of Autauga Creek were flooded. Time of the event is estimated.									
Lauderdale County Florence	08	1430CST 1600CST			0	0	10K	0	Flash Flood
Heavy rain associated with a thunderstorm caused flash flooding of low lying areas in Florence. Water was reported to be 1 to 2 feet deep in some locations. Time is estimated.									
Marshall County Boaz	08	1500CST			0	0	15K	0	Lightning
Lightning knocked out 12 transformers in the Boaz area in the southeast part of the county. Power was out in some locations for over an hour. Time estimated.									
Etowah County Gadsden	08	1500CST			0	0	10K	0	Lightning
Lightning caused a power outage that affected much of Gadsden for about an hour.									
Etowah County Attalla	23	1507CST			0	0	55K	5K	Thunderstorm Wind (G50)
Wind blew half of the roof off a furniture store in Attalla in the central part of the county. Extensive rain damage occurred to the store's contents. Trees and power lines were also reported down leaving about 2,000 people in the Attalla and Gadsden areas without power.									
Etowah County Attalla	23	1507CST			0	0	10K	2K	Hail (1.00)
Hail about the size of quarters was reported at Attalla.									
Jefferson County Birmingham	24	1225CST			0	0	10K	0	Hail (0.75)
Hail ranging in size from peas to dimes was reported at McDonald Chapel in the extreme western portion of Birmingham.									
Shelby County 2 E Alabaster	24	1245CST			0	0	5K	2K	Thunderstorm Wind (G50)
Trees were reported down near Camp Branch near Alabaster.									
Shelby County 5 S Alabaster	24	1245CST			0	0	15K	2K	Hail (1.75)
Golf ball size hail was reported at Highway 26 and 31 in the central part of the county.									
Morgan County Priceville	24	1250CST			0	0	20K	2K	Thunderstorm Wind (G50)
A large tree fell in the wind and crushed a car near Priceville in the northern part of the county.									
Limestone County Athens	24	1344CST			0	0	10K	0	Thunderstorm Wind
A large tree was blown down across Pryor Street in Athens.									
Marshall County Arab	24	1410CST			0	0	15K	3K	Thunderstorm Wind (G50)
In Arab, several trees and power lines were blown down. Arab is in the southwest part of the county.									
Marshall County Guntersville	24	1415CST			0	0	15K	3K	Tstm Wind/Hail
In Guntersville, power lines were snapped on the causeway and a boat mart lost some boat slip covers. Dime size hail was also reported.									
Clay County Lineville	24	1447CST			0	0	10K	2K	Hail (0.75)
Dime size hail was reported in Lineville in the eastern part of the county.									
Madison County Huntsville	25	1228CST			0	0	10K	0	Thunderstorm Wind
Large limbs were blown off trees blocking roads in southern Huntsville.									
Cullman County Cullman	25	1330CST			0	0	45K	5K	Thunderstorm Wind (G50)
Three homes were damaged by thunderstorm wind. One home had roof damage, one house had a tree fall on it, and the third house had a rear section blown away. A horse barn in the same area was also damaged.									
Lauderdale County Killen	25	1414CST			0	0	10K	2K	Hail (0.75)
Dime size hail was reported in south Killen in the southern part of the county.									
Limestone County 5 SW Athens	25	1427CST			0	0	10K	2K	Hail (0.75)
Dime size hail was reported just southwest of Athens.									
Walker County 6 NW Jasper	25	1540CST			0	0	15K	0	Thunderstorm Wind (G50)
A small barn was destroyed in thunderstorm wind in the Crossroads community just off County Road 5 northwest of Jasper in the									

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>ALABAMA, North Central</u>									
central part of the county.									
Colbert County Sheffield	30	1430CST			0	0	5K	0	Thunderstorm Wind
One of the oldest trees in the city of Sheffield in the northern part of the county was blown over in a thunderstorm.									
Madison County Huntsville	30	1636CST			0	0	15K	0	Hail (1.00)
Hail the size of quarters was reported in northern Huntsville.									
<u>ALABAMA, Southeast</u>									
Coffee County 6.5 SSW Enterprise	25	1515CST 1517CST			0	0	8K	0	Thunderstorm Wind
Several chicken houses were damaged by strong thunderstorm wind gusts on County Rd 617.									
<u>ALABAMA, Southwest</u>									
Mobile County Heron Bay	06	0900CST 0905CST			0	0			Waterspout
Three waterspouts were observed in Mobile Bay near Heron Bay. The waterspouts dissipated over the bay.									
Mobile County Tillmans Corner	08	1545CST			0	0			Hail (0.75)
Dime size hail was reported in the Tillmans Corner area.									
Baldwin County Loxley	12	1300CST			0	0	0.50K		Thunderstorm Wind (G40)
Winds of 40 to 50 mph blew a tree down near Loxley. A small outdoor shed was also damaged.									
Baldwin County Summerdale	24	1455CST			0	0	90K		Thunderstorm Wind (G45)
Winds of around 50 mph picked up a barn roof and blew it into a home. The Summerdale home, near Hwy 59, suffered extensive damage. The winds also blew a couple of pecan trees down. A lean-to on the same property was also damaged.									
Baldwin County Bay Minette	25	1350CST			0	0	2.5K		Thunderstorm Wind (G50)
Several trees and power lines were blown down just west of Bay Minette.									
Baldwin County Bay Minette	25	1400CST			0	0			Lightning
Nine cows were struck and killed by lightning. The cows were huddled under a lone tree on a hill when the lightning hit the tree and killed the cattle.									
Baldwin County Bay Minette	25	1500CST			0	0			Hail (0.75)
Dime size hail was reported in Bay Minette.									
Mobile County Dauphin Is	28	1300CST 1315CST			0	0			Waterspout
A large waterspout was observed near Cedar Point for about fifteen minutes. The waterspout stayed west of the Dauphin Island Bridge and dissipated over the sound without touching any land areas.									
Mobile County Mobile	28	1315CST			0	0	10K		Lightning
Lightning struck a home in the Mobile area. The lightning appeared to hit near an air conditioner and caused a fire to start in the home.									
Wilcox County Coy to Dry Forks	30	0900CST 1400CST			0	0	15K		Flash Flood
Heavy rains of around eight inches caused several roads in the southwest part of the county to be closed. The rains started around 730 am and by 900 am many of the roads were becoming impassable. Most of the roads remained closed into the afternoon hours. The hardest hit were the Coy and Dry Forks areas									
Clarke County Scyrene to Chance	30	0915CST 1800CST			0	0	15K		Flash Flood
Rainfall of around eight inches caused many roads in the east part of the county to become impassable. The rains started around 800 am and continued into the afternoon. Many of the roads remained closed until the early evening hours. The hardest hit areas were Nettleboro, Scyrene and Chance. Most of the roads that had to be closed were dirt roads.									
Monroe County Hybart to Franklin	30	0930CST 1800CST			0	0	15K		Flash Flood
Rainfall of up to eight inches caused many roads in the northwest part of the county to be closed. The storm that caused the heavy rains remained almost stationary over southwest Wilcox, east Clarke and northwest Monroe counties for most of the morning then slowly moved southeast during the afternoon. Most of the roads that had to be closed were dirt roads. The roads remained closed									

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>ALABAMA, Southwest</u>									
Baldwin County Stapleton	30	1830CST 1930CST			0	0	2K		Flash Flood
Rains of 3 to 4 inches in the Stapleton area caused Alabama 59 to be closed for an hour or so until water had drained from the road. The storm that caused the rains had dumped up to eight inches of rain over parts of Clarke, Monroe and Wilcox counties earlier in the day.									
<u>ALASKA, Northern</u>									
Fairbanks/Tanana Valley Fairbanks	06	1455AST 1510AST			0	1	1K		Lightning
A lightning bolt struck or nearly struck an operator of an amusement ride at the Tanana Valley State Fair. The 36 YOM suffered no external burns; was admitted to the hospital for overnight cardiac monitoring, and was in stable condition that night. Two 20x20 tents were ripped loose by the wind, lifted 200 ft, then smashed a van's window. Nexrad echo tops were only only 20K.									
<u>ALASKA, Southeast</u>									
NONE REPORTED.									
<u>ALASKA, Southern</u>									
AKZ023	St. Paul Island 02	0000AST 2359AST			0	0			Temperature Record
Record high at Saint Paul...50.									
AKZ021	Western Alaska Peninsula 04	0000AST 2359AST			0	0			High Wind (G37)
A small frontal low developed just north of Adak late Saturday...moving rapidly northeast before making landfall near Cape Newenham at 4pm Sunday as a 1013mb center with a frontal system arcing south and southwest. Winds inadvance of the front reached 43 mph at Cold Bay Sunday.									
AKZ018	Cook Inlet-Susitna Valley 04 06	0000AST 2359AST			0	0			Minor Flooding
A mountain lake tunneled uner a glacier last week and drained into Snow river, raising water levels by several feet as the flow traveled through Kenai Lake and the Kenai River. The lake held the equivalent of 100,000 acres of water a foot deep. primrose Campground and some camping units near Cooper Landing at Quartz Creek and Cooper Creek were evacuated on Sunday. Minor damage was reported to the campgrounds...however there was no reported damage to private homes. Evacuations were NOT necessary.									
AKZ009	Kuskokwim Valley 04	0000AST 2359AST			0	0			Temperature Record
Record high temperature 74 at McGrath (33 year record).									
AKZ021	Western Alaska Peninsula 12	0000AST 2359AST			0	0			Temperature Record
Record low temperature of 38 at Cold Bay.									
AKZ021	Western Alaska Peninsula 17	0000AST 2359AST			0	0			High Wind (G43)
A moderate 995mb low drifted northeast to Shemya (along the western Aleutians) at 4pm Thursday with a moderate frontal system north and east of the center...extending through Adak. A frontal low developed north of Adak early Friday...moving by Saint Paul Island 7am Saturday with a frontal system arcing east and south from the center. Saturday morning...the front was located about 120 miles west of Cold Bay...causing wind gusts of 49 mph at the Cold Bay airport.									
AKZ009>011	Kuskokwim Valley - Yukon-Kuskokwim Delta - Bristol Bay Coastal 24 26	0000AST 2359AST			0	0			High Wind (G43)
A moderate 990mb low located near the Gulf of Anadyr, Russia at 4pm Saturday...moved to near Nome at 4am Sunday and then eastward to near Galena at 4pm Sunday with its weather front in a south and southwest arc. The front crossed the southwest Alaskan coast early Sunday then by the Alaska Peninsula and into Kodiak Island at 4pm Sunday. Bethel reported southerly peak winds of 49 mph Saturday and 47 mph on Sunday. McGrath reported wind gusts of 47 mph at 8:20 am Sunday. Unofficial wind gusts in excess of 40 mph were recorded in the Bristol Bay zone.									
AKZ022	Eastern Aleutians 26 27	0000AST 2359AST			0	0			High Wind (G35)
A moderate 983mb low moved northward into Russia from the Kamchatka Peninsula. Unofficial wind reports in the extreme western Aleutians indicated gusts in excess of 40 mph.									

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Injured	Property	Crops	Character of Storm
<u>ALASKA, Southern</u>									
AKZ009	Kuskokwim Valley								
	27	0400AST 0800AST			0	0			Temperature Record
	The first significant penetration of arctic air (modified) for the upcoming fall season moved into southwest Alaska Monday. McGrath recorded a daily record low of 30 degrees Tuesday morning.								
AKZ010	Yukon-Kuskokwim Delta								
	29	0000AST 2359AST			0	0			High Wind (G35)
	A secondary front developed in the eastern Bering Sea...moving into the Yukon-Kuskokwim Delta late Thursday afternoon. Wind gusts reached 40 mph at Bethel.								
<u>ARIZONA, Central and Northeast</u>									
Navajo County 30 SE Show Low	01	1615MST 1700MS T			0	0			Urban/Sml Stream Fld
	Heavy thunderstorm rain produced street flooding in White River, southeast of Show Low. Also, near White River several small streams and washes flooded.								
Coconino County 28 S Williams	01	1830MST 1930MS T			0	1	1K		Urban/Sml Stream Fld
	Rattlesnake Wash filled rapidly with water from heavy thunderstorm rains, flooding low-water crossings on Perkinsville Road in extreme southwest Coconino County. A motorcyclist suffered minor injuries when he attempted to cross the wash away from one of the established crossings. He and his cylce were carried downstream. His motorcycle was extensively damaged.								
Coconino County 5 E Gray Mountain to 10 NE Gray Mountain	08	1600MST 1640MS T			0	0			Funnel Cloud
	Funnel Cloud reported by the public and confirmed by law enforcement officer.								
AZZ008	Northeast Plateaus/Mesas								
	13	1445MST			0	0			Strong Wind
	Strong winds blew a semi-trailer off highway 260 near Kayenta. Damage unknown.								
Yavapai County 16 S Prescott	15	1815MST 1830MS T			0	0			Hail (1.75)
	Golfball sized hail with heavy rain produced near zero visibility and minor rock slides along highway 89 south of Prescott.								
Apache County Greer	18	1230MST 1245MS T			0	0			Urban/Sml Stream Fld
	Heavy thunderstorm rain with small hail flooded several dirt county roads causing mud and water to wash across main roads in town.								
Coconino County 40 SE Flagstaff	18	1345MST 1445MS T			0	0			Urban/Sml Stream Fld
	Heavy thunderstorm rains caused ditches along Highway 87 to flood across the highway near Clint's Well. Water covered highway 87 for an hour.								
Coconino County 40 E Flagstaff	25	1415MST 1700MS T			0	0			Urban/Sml Stream Fld
	Heavy thunderstorm rain caused small stream flooding reported across Interstate 40 near Meteor City, which is east of Flagstaff.								
Coconino County Flagstaff	25	1430MST 1451MS T			0	0			Urban/Sml Stream Fld
	Heavy thunderstorm rain produced flooded several streets in east Flagstaff.								
Yavapai County Dewey	29	1921MST 1924MS T			0	0			Funnel Cloud
	Funnel cloud spotted by the public.								

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
<u>ARIZONA, Central and Northeast</u>									
Coconino County 6 S Mormon Lake	31	1720MST 1800MS T			0	0			Urban/Sml Stream Fld
Heavy thunderstorm rain flooded Lake Mary Road with over 3 inches of water covering the road.									
<u>ARIZONA, Northwest</u>									
Mohave County Wikieup	30	0430PST 0500PST			0	0			Hail (1.00)
A hailstorm, lasting approximately 30 minutes, dropped up to one inch diameter hail and left the ground covered one to two inches deep.									
<u>ARIZONA, South</u>									
Pima County Tucson	02	0100MST 0200MS T			0	0			Flash Flood
Tucson Mountain Park and Snyder Hill Road closed due to flash flooding.									
Cochise County Fort Huachuca	02	1420MST 1500MS T			0	0			Flash Flood
Roads and washes flooded in Fort Huachuca.									
Pima County Western Pima County	09	1740MST 1830MS T			0	0	50K		Flash Flood
Washes flooded and impassable. Tree limbs broken due to high wind in Ajo. Telephone lines down due to high wind in the town of Why. Several people stranded due to roads cut by running water.									
Cochise County Fort Huachuca to Fprt Huachuca	10	1420MST 1450MS T			0	0			Flash Flood
Street flooding in Fort Huachuca.									
Pima County 5 W Vail	14	1425MST			0	0			Hail (1.00)
Pima County 1 SW Tucson	14	1512MST			0	0			Thunderstorm Wind (G52)
52 kt wind gust reported near Mission and Los Realis roads.									
Pima County 15 N Tucson	14	1615MST			0	0			Hail (1.00)
One inch hail reported 2 miles south of Catalina									
Pima County Tucson	14	1645MST 1720MS T			0	0	150K		Thunderstorm Wind (G61)
65 to 70 mph wind gusts ripped a roof off a home, caused tree damage and power outages in Tucson.									
Pima County Tucson	14	1700MST 1715MS T			0	0			Hail (0.75)
3/4 inch hail reported near St Mary's and Silverbell roads.									
Pima County Eastern Tucson	14	1706MST			0	0			Hail (0.75)
3/4 inch hail reported near the intersection of Prudence and Golf Links roads.									
Pima County 5 NW Tucson	14	1710MST 1713MS T	1	10	0	0			Tornado (F0)
Tornado confirmed near Ina and Thornydale Roads by Pima County Sheriff, Fire Department, and NWS personnel. Tornado was on the ground for just a few minutes in open country causing no damage.									
Pima County Tucson	14	1730MST 1830MS T			0	0			Flash Flood
Flash flooding of streets and washes in the Tucson metro area. One woman rescued from the Canada Del Oro wash near La Cholla road.									

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
ARIZONA, South							
Pima County							
10 SW Tucson	14	1750MST 1810MS T			0 0	50K	Tstm Wind/Hail
Strong winds blew a carport and awning off a mobile home in the Picture Rocks area west of Tucson Mountain. Roof blown off a mobile home on Vegas Drive.							
Pima County							
6 NW Tucson	14	1845MST 1851MS T			0 0		Thunderstorm Wind (G52)
Pima County							
Tucson	16	1715MST 1750MS T			0 0	150K	Thunderstorm Wind (G63)
63 kt wind gust reported near Wilmot and Golf Links road. Roof blown off a home, structural damaged to an Elementary school, tree damage and power lines down. Visibility was near zero in blowing dust across most of southeast Tucson as the storm moved in from the east.							
Cochise County							
Elfrida	17	1800MST 1925MS T			0 0		Flash Flood
Flash flooding with sheet flooding across a flat area with no washes or gulches. 3 inches of rain in one hour with 3.75 inches storm total.							
Cochise County							
Elfrida	17	1810MST 1830MS T			0 0		Hail (0.75)
Cochise County							
Elfrida	17	1900MST			0 0		Thunderstorm Wind (G52)
52 kt wind gust blew a one ton truck 100-150 ft.							
Pima County							
Green Vly	21	1430MST			0 1		Lightning
Woman struck by lightning inside her house while vacuuming.							
Pima County							
Tucson	22	1830MST 1900MS T			0 0	100K	Thunderstorm Wind
Roof blown off a church and a brick fence blown over on Craycroft road.							
Pima County							
Tucson	22	2045MST			0 0		Flash Flood
Flash flooding of underpasses along I-10 near Prince road and Speedway.							
Pima County							
12 NE Tucson	26	2000MST			0 0		Tstm Wind/Hail
Wind damage to trees near Wilmot and Sunrise roads.							
Pima County							
Tucson	27	1645MST 1730MS T			0 0	50K	Flash Flood
Heavy rain from thunderstorms hit the Tucson area with flash flooding in many washes. The southwest side and northeast side of Tucson were hit hardest. One fireman was injured while checking if a car that had been washed off Harrison Road had anybody in it. The Ajo and Mission Road areas received 2.5 inches of rain in 45 minutes.							
Pima County							
Sells To Ajo	27	1715MST 1800MS T			0 0		Flash Flood
Hwy 86 closed due to flash flooding from Sells to Ajo.							
Pima County							
Vail	28	1400MST 1430MS T			0 0		Flash Flood
Heavy rain and flash flooding resulted in 5 feet of water in Pantano wash near vail. This wash is normally dry.							
Pima County							
Tucson	28	2115MST 2145MS T			0 0		Flash Flood
Several reports of street flooding around Tucson.							

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
ARIZONA, South							
Pima County Marana	29	1930MST 2030MS T			0 0	30K	Thunderstorm Wind
							Strong wind blew shingles of roofs at Marana Airport. Three power poles blown down on Trico road.
Pima County Tucson	29	2130MST 2215MS T			0 0		Flash Flood
							Street flooding reported near 4th Ave and 6th Street.
Pima County 10 NE Tucson	29	2145MST 2155MS T			0 0	10K	Thunderstorm Wind (G52)
							A 52 kt wind gust caused tree damage.
Pima County Tucson	29	2155MST 2205MS T			0 0		Thunderstorm Wind (G52)
							52 kt wind gust reported near I-10 and Wilmot road.
ARIZONA, Southwest							
Maricopa County North Phoenix	08	1729MST			0 0		Funnel Cloud
							A storm spotter reported a funnel cloud 2 miles northeast of 40th Street and Union Hills.
Pinal County Coolidge	08	1855MST			0 0		Thunderstorm Wind (G52)
							Two trees were blown down and a large wooden board was blown onto a police car.
Pinal County Florence	08	1900MST			0 0		Thunderstorm Wind (G52)
							Several trees were blown down.
Pinal County Casa Grande	08	1905MST			0 0		Thunderstorm Wind (G52)
							Several APS power poles were blown down at Cottonwood and Casa Grande Ave. Also a report of a roof blown off a house.
Pinal County 3 N Florence	08	1913MST			0 0		Thunderstorm Wind (G52)
							A carport was ripped off by the strong thunderstorm winds.
La Paz (C) Wenden	09	1830MST			0 0	3K	Thunderstorm Wind (G52)
							A spotter in Wenden reported thunderstorm winds which blew down five 60-foot pine trees and caused several thousand dollars damage to his work shed. Power poles were blown down in a two mile stretch along Highway 60 between Wenden and Salome.
La Paz (C) Quartzsite	11	1730MST			0 0		Thunderstorm Wind (G60)
							Straight-line winds caused widespread damage in Quartzsite. The damage included signs blown down, trailers knocked over, automobile garages flattened, a well-driller workshop damaged, 5 Palo Verde trees uprooted, roof damage, evaporative(swamp) coolers blown off, and a McDonald's Restaurant sign was shattered.
La Paz (C) Quartzsite	11	1800MST			0 0		Flash Flood
							A section of a road was washed out by rushing flood waters.
Maricopa County El Mirage	14	1640MST			0 0		Thunderstorm Wind (G87)
							Two parked and empty railroad car-carriers were blown over onto their sides. Wind gust was estimated.
Maricopa County Scottsdale	14	1800MST			0 0		Thunderstorm Wind (G50)
							Some power-line wires and large tree limbs were downed. Wind gust was estimated from damage.
Maricopa County Phoenix	14	1820MST			0 0	500K	Thunderstorm Wind
							Two juvenile detention centers, the Adobe Mountain Secure Facility and the Black Canyon Secure Facility, both in north Phoenix, sustained an estimated \$250,000 combined damage when strong winds damaged a perimeter fence, blew out a plastic glass window and damaged severaly roofs at the complex. Two support pillars under construction at the Interstate 17 and Loop 101 interchange in north Phoenix buckled from the high winds, with an estimated \$250,000 damage.
Maricopa County Glendale	14	1830MST			0 4		Thunderstorm Wind (G60)
							Glendale was one of the hardest hit areas after very powerful thunderstorms ripped through the area. The storm collapsed a the roof of an apartment complex and blew metal dumpsters weighing up to two tons into roadways. Sahuaro Ranch School, 10401 N. 63rd

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
ARIZONA, Southwest									
									Ave., lost part of its roof. An Albertsons grocery store at 59th Avenue and Beardsley Road was battered by the storm, leaving three people hurt. The storm did extensive damage to the roof of Arrowhead Community Hospital, 18701 N. 67th Avenue. At the Northwest Garden Apartments, 9350 N. 67th Avenue, residents were evacuated after the storm collapsed the roof over eight units. Shingles and twisted sheets of park awnings were scattered across the complex. At the Adobe Mountain Juvenile Correctional Facility, one staff member was slightly injured when windows blew out in one of the units. Fences around the perimeters of the facility were damaged by falling trees. About 40 vehicles were damaged, two of them hit by a dumpster blown through the parking lot.
Maricopa County Peoria	14	1830MST			0	0			Thunderstorm Wind (G87)
									Downed power lines, broken and uprooted trees, roof shingles and mangled metal awnings were scattered in yards and streets throughout the city. A block fence blew down at Peoria Westbrook Village. High winds sent a tree sailing through the front of Pioneer Elementary School, 6315 W. Port au Prince Lane. The winds twisted a street sign in the opposite direction at the corner of 83rd Avenue and Washington Street.
Maricopa County Phoenix to Buckeye	14	1830MST 1915MS T			0	0	100M		Thunderstorm Wind
									Every town in the western half of the Phoenix Metropolitan Area reported some damage. The hardest hit areas were in northwest Phoenix, Glendale, and Peoria. Other towns that sustained damage were Sun City, Surprise, El Mirage, Tolleson, Avondale, Goodyear, and Buckeye. Approximately 400 power poles were knocked down throughout these towns, 100 owned by SRP and 300 owned by APS. There were from 70,000 to 75,000 homeowner claims for about \$100 million in damage.
Maricopa County Glendale	14	1831MST			0	0			Thunderstorm Wind (G87)
									Wind gust estimated by a National Weather Service employee in northern Glendale between Pinnacle Peak Road and Happy Valley Road. The thunderstorm produced one inch diameter hail and the wind caused damage to his house, including roof damage and his chimney being blown into his swimming pool.
Maricopa County Glendale	14	1834MST			0	0			Thunderstorm Wind (G61)
									Substantial damage caused by straight-line winds around 63rd Avenue and Bell Road, including wood and block fences blown down, several downed trees and power poles, and many homes with extensive roof damage. Marble-sized hail and 1.55 inches of rainfall storm total also reported with the storm.
Maricopa County Phoenix Deer Vly Arp	14	1838MST			0	0			Thunderstorm Wind (G100)
									Wind gust was measured by an anemometer at the Deer Valley Tower. This set an all-time record high wind speed (115 mph) in Arizona.
Maricopa County Glendale	14	1840MST			0	0			Thunderstorm Wind (G60)
									Shingles blown off many homes, roof damage, trees and fences down at 52nd Avenue and Union Hills Road.
Maricopa County Phoenix	14	1840MST			0	0			Thunderstorm Wind (G60)
									Several large trees blown down.
Maricopa County 5 W (Luf)Luke Afb	14	1850MST			0	0			Thunderstorm Wind (G74)
Maricopa County Glendale	14	1850MST			0	0			Funnel Cloud
									A spotter reported a funnel cloud at 63rd Avenue and Bell Road.
Maricopa County Goodyear	14	1902MST			0	0			Thunderstorm Wind (G60)
									Roof damage was reported by a spotter.
Maricopa County Buckeye	14	1910MST			0	1			Thunderstorm Wind (G60)
									Several large trees were blown over, power poles were blown down, mobile homes were overturned, and buildings were ripped apart. A window was blown out of a mobile home injuring a young woman.
Maricopa County Goodyear Arpt	14	1915MST			0	0			Thunderstorm Wind (G60)
Maricopa County Phoenix	14	1915MST			0	0			Thunderstorm Wind (G57)
									Wind gust reported by a spotter at 27th Avenue and McDowell Road.
Yuma County Dateland	14	2130MST			0	8			Thunderstorm Wind (G52)
									Several downed power poles. Eight people sustained minor injuries after the strong winds damaged numerous mobile homes in Dateland. Sun Country Acres mobile home park, located two miles north of Interstate 8 on Avenue64E, reported that every mobile home in the park was damaged in some way, many having broken windows. Most of the injuries were to the head and back and cuts from broken glass.

Storm Data and Unusual Weather Phenomena

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August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm	
ARIZONA, Southwest										
Yuma County 15 E Yuma	14	2205MST			0	0			Thunderstorm Wind (G61)	
Yuma County Somerton	14	2210MST			0	0			Thunderstorm Wind (G52)	
Strong winds knocked down some fences, trees, and power lines. Wind gust was estimated from damage.										
Yuma County San Luis	14	2210MST			0	0			Thunderstorm Wind (G52)	
Strong winds knocked down some fences, trees, and power lines. Wind gust was estimated from damage.										
Yuma County Tacna	14	2215MST			0	0			Thunderstorm Wind (G50)	
Several trees were blown down, and some power poles down. There were also reports of destroyed awnings and storage sheds.										
Yuma County Yuma	14	2245MST			0	0			Thunderstorm Wind (G50)	
Power lines down.										
Maricopa County Scottsdale	18	2118MST			0	0			Flash Flood	
Thunderstorms produced heavy rain as they moved through Scottsdale. Indian Bend wash, which is normally dry, flooded quickly and forced two roads to close. There was a report of street flooding at Scottsdale Road and McDowell Road. A spotter in South Scottsdale reported a storm total of .80 inches of rainfall. Wind gusts to 45 mph accompanied the storms.										
La Paz (C) Brenda	19	1900MST			0	0			Thunderstorm Wind (G50)	
Thunderstorm winds blew roof tiles and a metal awning off a house, and a shed roof was blown 120 yards.										
Maricopa County Mesa	22	1700MST			0	3			Thunderstorm Wind (G50)	
Gusty thunderstorm winds caused damage and a few injuries at a Fry's Food Store at the intersection of Power Road and Baseline Road in East Mesa. The winds lifted a 2000 pound tent and slammed it against a truck. The glass-covered artwork beneath the tent shattered and caused minor cuts to two people. A teenage boy was thrown into a grocery cart corral and treated at a local hospital for back injuries. Several cars in the parking lot sustained dents from flying debris.										
Maricopa County 5 S Phx Sky Harbor Arpt	22	1733MST			0	0			Funnel Cloud	
A funnel cloud was spotted by a pilot.										
Yuma County Dateland	25	2220MST			0	0			Thunderstorm Wind (G50)	
Thunderstorm downburst winds caused roof damage at the Dateland Farm Plaza. Shingles and tar paper were blown off the roof.										
Maricopa County Wickenburg	27	1550MST			0	0			Hail (0.88)	
Pinal County Apache Jct	27	2030MST			0	0			Thunderstorm Wind (G50)	
Several downed power poles.										
Pinal County Apache Jct	27	2035MST			0	0			Thunderstorm Wind (G55)	
A horse corral was blown down due to strong thunderstorm winds. Wind gust is estimated from damage.										
Maricopa County Scottsdale	27	2038MST			0	0			Thunderstorm Wind (G50)	
Downed power lines at 75th Avenue and Camelback Road. Wind gust estimated from damage.										
Pinal County Apache Jct	27	2100MST			0	0			Flash Flood	
Very heavy rain fell with thunderstorms which produced flooding of some roads. The heavy rain caused rocks to wash onto Highway 88 in Apache Junction.										
Maricopa County 3 E Wickenburg	28	1600MST			0	0			Hail (0.75)	
Maricopa County 58 NE Phoenix	29	1710MST			0	0			Hail (0.75)	
Dime-sized hail was reported at Roosevelt Dam.										
Pinal County Casa Grande	29	2010MST			0	0			Thunderstorm Wind (G50)	
Casa Grande firefighters treated an 86-year-old man who had fallen after a storage shed blew up against his mobile home and knocked him off balance in the 500 block of Avenue A. The shed had blown into nearby power and cable television lines. A large piece of the shed also knocked down a 30-40-foot section of a 6-foot-tall wood fence. Firefighters also treated a 29-year-old man who										

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>ARIZONA, Southwest</u>									
	was injured in the 600 Block of North Cameron Avenue after strong winds "threw" him against a building. Wind gust was estimated from damage.								
Pinal County Casa Grande	29	2030MST			0	0			Flash Flood
	Very heavy rainfall totaling more than two inches caused street flooding in parts of Casa Grande.								
Maricopa County Scottsdale Muni	29	2127MST			0	0			Thunderstorm Wind (G50)
	A small plane ripped away from tie downs at the Scottsdale Airport, damaging it and another plane.								
Maricopa County Peoria	29	2210MST			0	0			Thunderstorm Wind (G52)
Maricopa County Glendale	29	2210MST			0	0			Thunderstorm Wind (G50)
	Strong thunderstorm winds knocked down 22 power poles. Wind gust was estimated from damage.								
Maricopa County Peoria	29	2220MST			0	0			Thunderstorm Wind (G52)
	Two inch diameter tree limbs snapped from several trees and shingles were blown off homes.								
Maricopa County Luke Afb	29	2224MST			0	0			Thunderstorm Wind (G88)
	Roofs were blown off two buildings and trees were downed.								
Maricopa County 10 N Gila Bend	29	2310MST			0	0			Thunderstorm Wind (G61)
	Two dozen eucalyptus trees were snapped in half and several power poles were knocked down.								
Maricopa County Gila Bend	29	2320MST			0	0			Thunderstorm Wind (G60)
	Strong thunderstorms ripped through the Gila Bend area which toppled 23 power poles.								
<u>ARKANSAS, Central and North Central</u>									
Garland County 5 SW Hot Spgs	01	1850CST			0	0			Thunderstorm Wind (G50)
	Thunderstorm winds downed some trees and power lines.								
Garland County Hot Spgs	01	1945CST 2230CST			0	0			Flash Flood
	Heavy rains resulted in flash flooding across the southern parts of Garland County. Several streets and highways were covered with water for a period of time in and around Hot Springs.								
Hot Spring County Malvern	01	2030CST 2300CST			0	0			Flash Flood
	Heavy rains resulted in flash flooding across portions of northern Hot Spring County. Several roads were under as much as a foot of water in and north of Malvern.								
Calhoun County 15 SW Hampton	01	2145CST			0	0			Thunderstorm Wind (G50)
	Several large tree limbs were knocked down.								
Clark County Arkadelphia	02	0000CST 0230CST			0	0			Flash Flood
	Flash flooding occurred in parts of Arkadelphia as a result of heavy rainfall. Several streets in the Arkadelphia area were under water for a period of time.								
Franklin County 5 NE Ozark	08	1135CST			0	0			Thunderstorm Wind (G39)
	Thunderstorm wind gusts of 40 to 45 mph knocked down a few trees.								
Pope County Moreland	08	1215CST			0	0			Thunderstorm Wind (G50)
	Thunderstorm winds downed a few large tree limbs.								
Pope County Moreland	08	1215CST			0	0			Hail (0.75)
Yell County Ola	11	2155CST			0	0			Thunderstorm Wind (G50)
	Thunderstorm winds downed a number of trees and power lines. Some of the trees fell onto a few houses and cars, causing additional damage. Several street signs were also blown down.								
Yell County Ola	11	2155CST 2200CST			0	0			Hail (0.75)
Van Buren County Clinton	21	1300CST			0	0			Thunderstorm Wind (G50)
	Thunderstorm winds downed some trees, power lines and power poles.								

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>ARKANSAS, Central and North Central</u>									
Franklin County 2 NE Ozark	26	1415CST			0	0			Lightning
Lightning struck a barn which resulted in a fire. The barn was destroyed, along with its contents.									
<u>ARKANSAS, East</u>									
NONE REPORTED.									
<u>ARKANSAS, Northwest</u>									
NONE REPORTED.									
<u>ARKANSAS, Southeast</u>									
NONE REPORTED.									
<u>ARKANSAS, Southwest</u>									
Howard County Nashville	01	2225CST			0	0			Thunderstorm Wind (G70)
Numerous trees were blown down in the north and northwest portions of town.									
Howard County Mineral Spgs	01	2235CST			0	0	10K		Lightning
Lightning struck a home resulting in a house fire.									
Howard County 3 S Mineral Spgs to Mineral Spgs	01	2245CST			0	0			Thunderstorm Wind (G70)
Howard County Mineral Spgs	01	2250CST			0	0	3K		Thunderstorm Wind (G60)
Power lines blown down across a local store resulting in a small fire.									
<u>CALIFORNIA, Extreme Southeast</u>									
NONE REPORTED.									
<u>CALIFORNIA, North Central</u>									
Calaveras County T-C Ranger Unit, Cdf	12 19	0900PST 1700PST			0	0			Wild/Forest Fire
Lightning started the "Keystone" fire that burned in the jurisdiction of the Tuolumne-Calaveras Ranger Unit of the California Department of Forestry. This wildfire destroyed 20 homes and damaged 7 others. It burned 7000 acres.									
Tuolumne County Stanislaus Nat. For.	14 31	0730PST 1800PST			0	0			Wild/Forest Fire
Lightning started the Rogge wildfire in the Stanislaus National Forest along the Tuolumne River. The wildfire took two weeks to get under control, burning 23,200 acres.									
Tuolumne County Yosemite Nat. Park	14 12	0800PST 1800PST			0	0			Wild/Forest Fire
Lightning caused a wildfire known as the Ackerson Complex fire. The fire burned 61,070 acres.									
August was the worst month of the year for wildfire in California. In 1996, 232,984 acres burned throughout the state, or 90 percent greater than the normal acreage of 122,362 acres.									
<u>CALIFORNIA, Northeast</u>									
NONE REPORTED.									
<u>CALIFORNIA, Northwest</u>									
NONE REPORTED.									
<u>CALIFORNIA, South Central</u>									
CAZ005	San Joaquin Valley								
	15	1600PST			4	0	0	0	Excessive Heat
A week-long stretch of temperatures over 100 degrees, topping at 110 degrees for two days, combined with higher-than-normal relative humidities led to 4 heat-related deaths in Kern County. F88PH, M74PH, M62OU, M64OT									
<u>CALIFORNIA, Southeast</u>									
NONE REPORTED.									
<u>CALIFORNIA, Southwest</u>									
NONE REPORTED.									
<u>CALIFORNIA, Upper</u>									
NONE REPORTED.									

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Estimated Damage Crops	Character of Storm	
<u>CALIFORNIA, Upper</u>										
<u>CALIFORNIA, West South Central</u>										
Riverside County Coachella Valley	15	0030PST 0200PST			0	0			Thunderstorm Wind (G56)	
A thunderstorm gust front produced wind speeds up to 65 mph in the Coachella Valley. The winds knocked out power to over 4800 residents and blew down numerous small trees.										
Riverside County Moreno Valley	23	1400PST			0	2			Lightning	
Two people were slightly injured when lightning struck their umbrella.										
<u>CALIFORNIA, Western</u>										
NONE REPORTED.										
<u>COLORADO, Central and Northeast</u>										
Washington County Last Chance	01	0000MST 0038MS T			0	0			Flash Flood	
Floodwaters to 2 feet in depth covered a 150-ft section of Highway 71. A semi-truck caught in the floodwaters was nearly washed off the road. This event is a continuation of the flash flood that took place on July 31st.										
Logan County Fleming	01	1408MST			0	0			Hail (1.75)	
Logan County Fleming	01	1428MST			0	0			Hail (1.00)	
Heavy rain and large hail severely damaged crops in an area 5 miles wide and 15 miles long near Fleming. A 60-100% loss was estimated to the corn and millet crops. Several homes received paint and roof damage. In addition, several trees were shredded.										
Washington County 1 SE Lone Star	01	1512MST			0	0			Hail (0.75)	
Washington County Platner	01	1535MST 1540MS T	0.1	50	0	0			Tornado (F0)	
Lincoln County 20 S Punkin Center	01	1536MST			0	0			Hail (0.75)	
Washington County 6 E Akron	01	1537MST			0	0	0	0	Funnel Cloud	
Washington County 10 E Akron	01	1543MST 1548MS T	0.1	50	0	0			Tornado (F0)	
Washington County 16 N Cope	01	1618MST			0	0			Hail (1.75)	
Washington County 8 N Cope	01	1629MST			0	0			Hail (1.75)	
Washington County 8 N Cope	01	1629MST			0	0			Thunderstorm Wind (G52)	
Washington County 10 N Cope	01	1630MST 1635MS T	0.1	50	0	0			Tornado (F0)	
Washington County Cope	01	1655MST			0	0			Hail (1.75)	
Larimer County Fort Collins	02	1930MST			0	0	50K	0	Lightning	
Lightning sparked a fire when it struck the roof of a two-story home. The unoccupied home sustained serious smoke damage and the attic was completely destroyed.										
Weld County Nunn	02	2115MST 2120MS T			0	0			Thunderstorm Wind (G52)	
Weld County Windsor	02	2130MST 2135MS T			0	0			Thunderstorm Wind	
Strong thunderstorm winds downed several trees in Windsor.										

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Estimated Damage Property	Crops	Character of Storm
COLORADO, Central and Northeast									
Lincoln County 8 NW Limon	03	1335MST 1340MS T	0.1	50	0	0	0		Tornado (F0)
Lincoln County 6 NE Limon	03	1405MST			0	0	0	0	Funnel Cloud
Lincoln County Genoa	03	1430MST			0	0			Hail (0.88)
Large hail broke several windows near Genoa. Hail piled up to 2 inches deep in some spots.									
Washington County 3 N Anton	04	1820MST 1825MS T			0	0			Thunderstorm Wind (G61)
Washington County 9 NNE Otis	04	1900MST			0	0			Hail (1.75)
Large hail and heavy rain pounded extreme Northeastern Washington County, 7 to 9 miles north of Highway 34. Corn and bean fields were severely damaged. In addition to the crops, several homes were also damaged. Golfball size hail left large holes in aluminum siding and shattered windows.									
Washington County Cope to 2 S Cope	04	2020MST 2025MS T			0	0			Thunderstorm Wind (G52)
Lincoln County 18 NNE Arriba	04	2055MST 2100MS T			0	0			Hail (0.75)
Larimer County 1.5 E Buckhorn Mtn	06	1905MST			0	0			Hail (1.00)
Arapahoe County 11 S Bennett	06	1940MST			0	0			Hail (1.50)
Arapahoe County 10 S Bennett	06	1959MST			0	0			Hail (1.00)
Arapahoe County 1 W Byers	06	2035MST			0	0			Hail (1.75)
Lincoln County 10 N Limon	06	2040MST			0	0			Hail (0.75)
Adams County 2 SE Denver Intl Airport	09	1450MST 1455MS T	0.1	50	0	0	0		Tornado (F0)
Arapahoe County 2 SW Bennett	09	1508MST 1513MS T	0.1	50	0	0	0		Tornado (F0)
Arapahoe County 4 W Strasburg	09	1515MST 1520MS T	0.1	50	0	0	0		Tornado (F0)
Arapahoe County 4 SW Strasburg	09	1546MST			0	0			Hail (1.00)
Arapahoe County Westminster	09	1745MST 1750MS T			0	5		0	Thunderstorm Wind
Strong thunderstorm winds toppled a tent at a company picnic. Five people received minor injuries when the tent collapsed. Two cars nearby were also damaged by flying debris.									
Weld County 3 E Hereford	14	1610MST 1630MS T			0	0			Hail (0.75)
Morgan County Brush	14	2000MST			0	0		5.6K	Lightning
Lightning struck a 70-ton haystack just south of Brush, it took nearly 5 hours to control the blaze.									

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Estimated Damage Crops	Character of Storm	
COLORADO, Central and Northeast										
Larimer County Red Feather Lakes	15	1500MST 1900MS T			0	0	0		Lightning	
Lightning sparked several small wildfires in Larimer County during the afternoon and evening hours. The largest fire occurred near Red Feather Lakes where 30 acres of timber, brush and grass were burned. Three much small fires were quickly extinguished in Lory State Park and another near Horsetooth Reservoir.										
Morgan County Brush	15	1530MST			0	0			Lightning	
Lightning struck a tree in the Brush area. The tree split in half and damaged three homes. Electrical lines were also downed.										
Arapahoe County 15 SW Strasburg	15	1539MST 1544MS T	0.1	50	0	0			Tornado (F0)	
Arapahoe County 10 SE Byers	15	1600MST 1605MS T	0.1	50	0	0			Tornado (F0)	
Morgan County Brush	15	1600MST 1605MS T			0	0			Thunderstorm Wind	
Strong thunderstorm winds downed a power pole near Brush.										
Larimer County Rustic	16	1300MST 2000MS T			0	0			Lightning	
Lightning sparked four additional wildfires in Larimer County during the afternoon and evening hours. The fires were very small and quickly contained. The largest of the fires burned 2 acres of timber near Rustic. Other smaller fires were reported near Glacier View Meadows, Pinewood Reservoir and near the top of Buckhorn Canyon.										
Logan County Crook	18	1741MST 1746MS T			0	0			Thunderstorm Wind (G52)	
Jefferson County Highlands Ranch	22	1439MST			0	0	0	0	Funnel Cloud	
Jefferson County 2 NW Chatfield Reservoir	22	1440MST			0	0	0	0	Funnel Cloud	
Jefferson County Lakewood	22	1530MST 1930MS T			0	0		0	Urban/Sml Stream Fld	
Between one and three inches of rain fell in the Denver Metropolitan area during the late afternoon and early evening hours. As a result several low lying areas were flooded. Numerous power outages, false fire alarms and traffic accidents were reported. In Lakewood, phone service to 60,000 residents was knocked out when a switching center was flooded.										
Denver County Denver	22	1830MST			0	1		0	Urban/Sml Stream Fld	
A bicyclist was swept into a fast moving creek when he tried to cross a flooded bike path. The man was washed downstream about 15 feet before getting snagged by a tree stump. He and a man who tried to rescue him received minor injuries.										
Weld County Ft Lupton	27	1515MST 1600MS T			0	0			Urban/Sml Stream Fld	
Localized street flooding occurred in the Fort Lupton area when 2 to 3 inches of rain fell in a 45-minute period. The time at which the downpour occurred was approximated. The roof of a local community college began leaking which caused minor damage to the ceiling tiles. The roof was under repair from some hail damage that had occurred earlier in the summer.										
Weld County 2 W Ft Lupton	27	1530MST 1535MS T	0.1	50	0	0	0		Tornado (F0)	
Washington County 8 NNE Last Chance	28	1638MST			0	0			Hail (1.75)	
Washington County 3 W Lindon	28	1645MST			0	0			Hail (1.75)	
Washington County 20 S Akron	28	1720MST			0	0			Hail (1.75)	

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm	
COLORADO, Central and Northeast										
Washington County 2 E Elba	28	1820MST 1835MS T			0	0			Urban/Sml Stream Fld	
Large hail, heavy rain and strong thunderstorm winds to 50 mph blasted through Southern Washington County. Several windows were broken and low lying areas flooded. A spotter near Elba reported 2 inches of rainfall within a 15-minute period.										
Weld County 3 E Hereford	29	1325MST 1333MS T			0	0			Hail (1.25)	
Adams County 2 N Strasburg	29	1406MST 1411MS T	0.1	50	0	0			Tornado (F0)	
Weld County 9 E Kersey	29	1530MST 1535MS T	0.1	50	0	0			Tornado (F0)	
Weld County 8 E Nunn	29	1615MST			0	0			Hail (1.75)	
Weld County 3 E Rockport to 15 E Rockport	29	1630MST 1800MS T			0	0			Flash Flood	
Heavy rain and small hail caused Geary Creek to overflow its banks as nearly 2 inches of rain fell in Northern Weld County. Water covered the roadways in many places and several fences were washed away.										
Logan County 3 E Padroni	29	1645MST			0	0			Hail (1.00)	
Weld County Nunn	29	1655MST 1700MS T			0	0			Thunderstorm Wind (G52)	
Larimer County 4 S Livermore	29	1700MST			0	0			Hail (0.75)	
Logan County Padroni/Iliff	29	1700MST 2300MS T			0	0			Urban/Sml Stream Fld	
Heavy rain washed out roads near Iliff and Padroni as 3.5 inches of rain fell during the evening hours. Ponding of water up to a foot deep was reported throughout much of the area.										
Weld County 2 W Eaton	29	1710MST 1715MS T	0.1	50	0	0			Tornado (F0)	
Weld County Windsor	29	1727MST 1737MS T			0	0			Hail (0.75)	
Weld County 4 NW Greeley	29	1737MST			0	0			Hail (1.00)	
Weld County 1 S Greeley	29	1743MST			0	0			Hail (0.75)	
Weld County Milliken	29	1748MST			0	0			Hail (1.75)	
Weld County Evans	29	1748MST			0	0			Hail (0.75)	
Logan County Padroni	29	1819MST 1824MS T			0	0			Thunderstorm Wind (G81)	
Strong thunderstorm winds gusting to 92 mph demolished a mobile home. The occupant of the trailer was not injured, she was able to crawl to safety by escaping through a hole in the wall. Several power lines in the Iliff/Padroni areas were also downed.										
Weld County Keenesburg	29	1835MST			0	0			Hail (0.75)	
Weld County Keenesburg	29	1840MST			0	0			Hail (1.00)	

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Estimated Damage	Property	Crops	Character of Storm
<u>COLORADO, Central and Northeast</u>										
Weld County 2 S Prospect	29	1845MST 1850MS T	0.1	50	0	0				Tornado (F0)
Douglas County Parker	29	1920MST			0	0				Hail (0.75)
<u>COLORADO, East Central</u>										
Yuma County 6 W Clarkville	01	1456MST			0	0				Hail (1.75)
Yuma County Clarkville	01	1500MST			0	0				Funnel Cloud
Yuma County 5 N Yuma	01	1550MST			0	0				Hail (1.00)
Yuma County 5 W Joes	01	1640MST			0	0				Hail (1.00)
Kit Carson County 1 E Vona	01	1740MST			0	0				Hail (0.75)
Kit Carson County 3 S Seibert	01	1751MST			0	0				Hail (0.75)
Cheyenne County 8 NNE Wild Horse	01	1752MST			0	0				Hail (1.25)
Cheyenne County 12 NW Kit Carson	01	1758MST			0	0				Hail (0.75)
Kit Carson County 16 SSW Vona	01	1805MST	0.2	30	0	0				Tornado (F0)
BRIEF TORNADO OVER OPEN COUNTRY NEAR STATE HIGHWAY 59.										
Cheyenne County 7 NW Kit Carson	01	1816MST			0	0				Hail (0.75)
Kit Carson County 10 NNW Stratton	03	1644MST			0	0				Hail (0.75)
Kit Carson County 17 SSW Seibert	03	1800MST			0	0				Hail (0.75)
Yuma County 7 N Yuma	04	1855MST			0	0	0.10K			Hail (1.50)
FIVE WINDOWS KNOCKED OUT. ALSO ONE INCH HAIL REPORTED 9 MILES NORTH OF YUMA AT 1850 MST WITH LARGE BRANCHES BROKEN DUE TO DAMAGING WINDS.										
Yuma County 16 S Yuma	04	1905MST			0	0				Hail (1.50)
Yuma County 20 N Wray	04	1920MST			0	0				Hail (0.88)
Yuma County 6 W Vernon	04	1930MST			0	0				Hail (0.88)
Yuma County 4 W Joes	04	2025MST			0	0				Hail (0.75)
Yuma County 3 NW Wray	04	2035MST			0	0				Funnel Cloud
Yuma County 10 S Vernon	04	2055MST			0	0				Funnel Cloud
Kit Carson County 8 SSE Stratton	06	2150MST			0	0				Hail (2.50)
Kit Carson County 14 SE Burlington	06	2240MST	0.1	20	0	0				Tornado (F0)
BRIEF TORNADO REPORTED BY SPOTTER.										
Kit Carson County 8.5 S Flagler	14	1850MST			0	0				Hail (1.75)
Kit Carson County 12 S Seibert	14	1940MST			0	0				Hail (1.00)
Yuma County 6 SSW Yuma	28	1811MST			0	0				Hail (1.75)
Yuma County 7 SSE Yuma	28	1840MST			0	0				Hail (1.00)
Yuma County 24 N Wray	29	0525MST			0	0				Hail (1.75)

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
<u>COLORADO, East Central</u>									
Yuma County 18 SSW Eckley	29	1650MST			0	0			Hail (1.75)
Yuma County 18 S Eckley	29	1655MST			0	0	0.20K		Hail (0.88)
FIVE WINDOWS BROKEN. FIVE INCHES IN DIAMETER BRANCHES BROKEN.									
<u>COLORADO, South Central and Southeast</u>									
El Paso County 2 S Fountain	01	2106MST			0	0			Hail (1.00)
El Paso County Fountain	01	2109MST			0	0			Hail (0.75)
Fremont County 20 SW Canon City	01	2110MST			0	0	40K		Flash Flood
In 20 minutes, 1 1/2 inches of rain fell and washed out Copper Gulch Road, washing one vehicle off the road into Copper Gulch. The vehicle and two uninjured passengers were washed downstream for one mile. The roadway received damage from the wall of mud and water.									
Fremont County 20 SW Canon City	01	2110MST 2300MS T			0	0			Flash Flood
In 20 minutes 1 1/2 inches of rain fell and washed out Copper Gulch Road.									
Fremont County 20 SW Canon City	01	2110MST			0	0			Hail (3.00)
Pueblo County 8 N Pueblo	01	2130MST 2215MS T			0	0			Flash Flood
Heavy rainfall rates of up to 4 inches per hour flooded Old Pueblo Road along the Pueblo/El Paso county line, stranding three vehicles.									
El Paso County 9 N Pueblo	01	2130MST 2215MS T			0	0			Flash Flood
Heavy rainfall rates of up to 4 inches per hour flooded Old Pueblo Road along the El Paso/Pueblo county line, stranding three vehicles.									
El Paso County 3 W Colorado Spgs	01	2134MST			0	0			Hail (0.75)
El Paso County Ellicott	01	2140MST			0	0			Hail (1.75)
El Paso County Ellicott	01	2150MST			0	0			Hail (2.00)
El Paso County Manitou Spgs	01	2202MST			0	0			Thunderstorm Wind (G52)
Fremont County 20 SW Canon City	01 02	2300MST 0030MS T			0	0			Flash Flood
Flash Flooding in the Copper Gulch washed one vehicle off the road into Copper Gulch. The vehicle and two uninjured passengers were washed downstream for one mile. The roadway received damage from the wall of water and mud through the early hours of the 2nd.									
Bent County Las Animas	03	1800MST			0	0	75K		Thunderstorm Wind (G54)
Strong thunderstorm winds blew down numerous trees and power lines, and also destroyed a car wash and the four vehicles inside. Local street flooding was caused by 1.2 inches of rain.									
Kiowa County 7 N Eads	03	1915MST			0	0			Hail (0.75)
Baca County 10 N Springfield	04	1410MST			0	0			Hail (0.75)
Prowers County 32 SE Lamar	04	1427MST			0	0			Hail (0.75)
Costilla County San Luis	07	1500MST 1530MS T			0	0	450K	250K	Hail (0.75)
Strong winds combined with the great volume of hail to produce extensive damage to structures and crops.									

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
COLORADO, South Central and Southeast									
Fremont County Canon City	08	1700MST 2030MS T			0	0	800K		Flash Flood
Strong thunderstorms moved across Eastern Fremont county, producing rainfall totals ranging from 2 1/2 to 5 inches. The heavy rainfall caused extensive damage to structures and roads in Canon City, making this the most costly flood in recent history.									
Fremont County 4 N Canon City	08	1710MST			0	0			Hail (0.75)
Fremont County 1 E Canon City	08	1800MST			0	0			Hail (0.75)
El Paso County Fountain	09	2100MST			0	0			Hail (1.00)
El Paso County Security	09	2110MST			0	0			Hail (0.75)
El Paso County Peyton	14	1550MST			0	0			Hail (1.00)
El Paso County 5 NE Colorado Spgs	14	1607MST			0	0			Hail (0.75)
Baca County 9 SW Pritchett	14	1630MST			0	0			Hail (0.75)
El Paso County Calhan	14	1703MST			0	0			Hail (1.00)
Las Animas County 7 NE Ville Green	14	1815MST			0	0			Hail (1.50)
Otero County 8 SW Rocky Ford	14	1846MST			0	0			Hail (0.75)
Prowers County Lamar	14	1937MST			0	0			Hail (0.75)
El Paso County 5 W Ramah	14	2002MST			0	0			Hail (0.75)
El Paso County 6 N Colorado Spgs	14	2107MST			0	0			Hail (2.00)
El Paso County Colorado Spgs	14	2135MST			0	0			Hail (1.00)
Las Animas County 7 E Tyrone	15	1648MST			0	0			Hail (1.75)
Fremont County 6 N Canon City	16	1438MST			0	0			Hail (0.88)
Pueblo County Beulah	17	2028MST			0	0			Hail (0.75)
El Paso County 12 NE Colorado Spgs	19	1440MST			0	0			Hail (0.75)
El Paso County 2 S Ellicott	19	1550MST			0	0			Thunderstorm Wind (G52)
Tree limbs 6 to 8 inches in diameter were downed.									
Alamosa County Alamosa	19	1830MST			0	1			Lightning
Two 17 year-old seniors from Alamosa High School, Briana Sykes and Ryan Coulson were struck by lightning. They were knocked off their feet. Ms. Sykes was taken to the hospital for observation and suffered a minor burn on her earlobe.									
Teller County Woodland Park	29	1345MST			0	0			Hail (1.00)
El Paso County 10 W Colorado Spgs	29	1430MST			0	0			Hail (2.75)
El Paso County Manitou Spgs	29	1454MST			0	0			Hail (1.00)
El Paso County 3 SW Colorado Spgs	29	1522MST			0	0			Hail (0.75)
Pueblo County 10 N Beulah	29	1630MST 1632MS T	0.1	75	0	0			Tornado (F0)
Teller County 1 W Woodland Park	29	2100MST			0	0			Thunderstorm Wind (G62)

Storm Data and Unusual Weather Phenomena

August 1996

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

El Paso County							
6 N Colorado Spgs	29	2100MST			0 0		Hail (1.50)
El Paso County							
Colorado Spgs	29	2200MST			0 0	200K	Lightning
A lightning strike sparked a fire in the attic of a historic parish house at First Lutheran Church.							
Pueblo County							
20 E Pueblo	30	0200MST			1 0		Flash Flood
Two separate rounds of heavy rain affected Kramer Creek late Thursday night the 29th. The two events combined to create a flash flood early the morning of the 30th at the intersection of Highway 96 and Kramer Creek. James Cantu, 44, was driving to work early that morning when his car was washed off the road and carried 200 yards. Mr. Cantu was ejected from his car, carried an additional 75 yards downstream, and was found suspended 8 feet up in a tree. M44VE							

COLORADO, West

San Juan County							
10 SSW Silverton	03	1220MST			0 4		Lightning
A woman and her three children at Potato Lake sought shelter under a tree when it was struck by lightning. All of them suffered first degree burns. One child, an eight year old boy, had stopped breathing, but was resuscitated by nearby hikers. The family's dog was the only fatality.							
Gunnison County							
Mt. Crested Butte	03	1445MST			0 0	3K	Lightning
A Ford Explorer was struck by lightning while traveling along a paved road along a ridge in the town of Mt. Crested Butte. The lightning passed through the vehicle's antenna, melted interior engine components, exited a wheel and blew out a portion of the asphalt road before striking a water main cover.							

CONNECTICUT, Northeast

Tolland County							
Tolland	04	1800EST 1830EST			0 0		Heavy Rain
A strong thunderstorm dumped an inch of rain in just 30 minutes.							
Tolland County							
Stafford	23	1700EST			0 0		Thunderstorm Wind (G50)
A severe thunderstorm resulted in wind damage with wires reported down north of Stafford Center.							

CONNECTICUT, Northwest

NONE REPORTED.

CONNECTICUT, Southern

Fairfield County							
Danbury	23	1640EST			0 0		Thunderstorm Wind (G50)
Fairfield County							
Newtown	23	1730EST			0 0		Thunderstorm Wind (G50)
New Haven County							
Oxford	23	1815EST			0 0		Thunderstorm Wind (G50)

A line of slow moving severe thunderstorms moved east from the Lower Hudson Valley of NY over Southwest Connecticut. These storms formed in a moist unstable airmass ahead of an approaching cold front.

These storms produced high winds that knocked down numerous trees in the towns of Danbury, Newtown, and Oxford.

Fairfield County							
Shelton	24	0700EST			0 0	2K	Lightning
Lightning struck a house at 41 Honeybee Lane in Shelton. The lightning caused a basement fire that resulted in about two thousand dollars damage.							

DELAWARE

DEZ002>004

Kent - Inland Sussex - Delaware Beaches

12	1000EST	0	0	Heavy Rain
13	0800EST			

A low pressure system that developed along the Gulf Coast States Monday morning the 12th moved northeast and passed through the Delmarva Peninsula the morning of the 13th. It tapped the abundant moisture over the South and consequently produced heavy rain across all of Delaware. Rainfall totals averaged between 2 and 4 inches. This occurred over about a 24 hour span thus flooding was limited to poor drainage locations. Farther north in Delaware stream and river flooding did occur in New Castle County. Storm totals included 3.92 inches in Lewes, 3.85 in Dover and 2.84 inches in Camden.

New Castle County							
Central Portion	13	0230EST 1215EST			0 0		Flash Flood

A low pressure system that developed along the Gulf Coast states Monday morning the 12th moved northeast and passed through the Delmarva Peninsula the morning of the 13th. It tapped the abundant moisture over the South and consequently produced heavy rain across all of Delaware. The heavy rain in turn caused flooding of a number of streams and rivers in the northern half of New Castle

Storm Data and Unusual Weather Phenomena

August 1996

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

DELAWARE

County. The Christina River at Cooch's Bridge reached its flood stage of 9 feet at 330 a.m. EDT on the 13th. It crested at 10.83 feet at 745 a.m. EDT and was back within bankfull by noon. The White Clay Creek at Delaware Park reached its flood stage of 13 feet at 530 a.m. EDT and crested at 13.2 feet at 915 a.m. EDT. It was back within flood stage at 115 p.m. EDT. The Red Clay Creek at Wooddale reached its flood stage of 5.5 feet at 725 a.m. EDT. It crested at 5.96 feet at 9 a.m. EDT and was back within bankfull at 1025 a.m. EDT. No serious injuries or damage was reported. Storm totals in New Castle County included 2.8 inches in Newark, 2.75 inches at the New Castle County Airport and 2.3 inches in Pennyhill.

DEZ003

Inland Sussex

13 0345EST 0 0 Wind
0400EST

A low pressure system that developed along the Gulf Coast states Monday morning the 12th moved northeast and passed through the Delmarva Peninsula the morning of the 13th. As the low approached the peninsula winds increased from the southeast. Gusts in excess of 40 mph along Indian River Bay tore the roof and an addition from one mobile home and badly damaged another mobile home in White House Beach in Long Neck. The former was damaged beyond repair.

New Castle County
Northern

13 0625EST 0 0 Flash Flood
0925EST

A low pressure system that developed along the Gulf Coast states Monday morning the 12th moved northeast and passed through the Delmarva Peninsula the morning of the 13th. It tapped the abundant moisture over the South and consequently produced heavy rain across all of Delaware. The heavy rain in turn caused flooding of a number of streams and rivers in the northern half of New Castle County. The Christina River at Cooch's Bridge reached its flood stage of 9 feet at 330 a.m. EDT on the 13th. It crested at 10.83 feet at 745 a.m. EDT and was back within bankfull by noon. The White Clay Creek at Delaware Park reached its flood stage of 13 feet at 530 a.m. EDT and crested at 13.2 feet at 915 a.m. EDT. It was back within flood stage at 115 p.m. EDT. The Red Clay Creek at Wooddale reached its flood stage of 5.5 feet at 725 a.m. EDT. It crested at 5.96 feet at 9 a.m. EDT and was back within bankfull at 1025 a.m. EDT. No serious injuries or damage was reported. Storm totals in New Castle County included 2.8 inches in Newark, 2.75 inches at the New Castle County Airport and 2.3 inches in Pennyhill.

DEZ004

Delaware Beaches

29 1200EST 0 0 Rough Surf
31 2359EST

Rough surf, associated with Hurricane Edouard affected the Delaware Coast around the Labor Day Weekend. The hurricane passed about 270 miles east of the Delaware Coast the evening of Sunday September 1st. But, the roughest surf was experienced in August on the 30th and 31st with improving conditions the rest of the Labor Day Weekend. Most beaches were closed during the morning and early afternoon on Friday when the surf was the roughest. Bathing was permitted other times. The Indian River Inlet was closed due to rough surf the morning and early afternoon of the 31st. Tidal departures were only 1 to 2 feet above normal and only caused some minor tidal flooding near the times of high tide. Tower Beach Road was closed sporadically due to flooding within the Indian River Campground.

DISTRICT OF COLUMBIA

NONE REPORTED.

FLORIDA, East Central

Brevard County
Patrick Afb

01 1955EST 0 0 Thunderstorm Wind (G53)
Thunderstorms produced a wind gust to 53 knots (61 MPH) at Patrick AFB.

Okeechobee County
Basinger

02 1600EST 0 0 Hail (0.75)
Dime size hail fell in Basinger.

Orange County
8 SE Orlando to
Orlando

07 1945EST 0 0 Hail (1.75)
Golf ball size hail fell in the Disney Area.

Brevard County
Patrick Afb

13 1635EST 0.2 50 0 0 100K Tornado (F0)
1638EST

An F0 waterspout/tornado moving southeast from the Banana River made landfall at Patrick AFB. The tornado damaged the roof of a large boathouse, overturned one car, damaged 10 others. It also severely damaged a large garage bay door and blew windows out of area buildings. Six boats on trailers and 3 motor homes were damaged. One motor home was overturned.

Brevard County
Patrick Afb

13 1645EST 0 0 Thunderstorm Wind (G68)
1649EST

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm	
<u>FLORIDA, East Central</u>										
										A microburst from a severe thunderstorm produced a wind gust of 78 MPH mph and moved a US Air Force C130 aircraft. Wind also damaged rotor blades on a US Air Force helicopter. Other minor wind damage was reported at the air field.
Brevard County Patrick Afb	13	1645EST			0	0			Hail (1.00)	
										Quarter size hail was reported at Patrick AFB.
Brevard County West Melbourne	13	1650EST 1652EST	0.2	20	0	0	10K		Tornado (F0)	
										An F0 tornado touched down briefly in West Melbourne damaging the roof of one house and blowing down a few small trees.
Volusia County Ormond Beach	14	1245EST			0	0	2K		Thunderstorm Wind	
										Thunderstorm winds blew down trees in Ormond Beach.
Brevard County Merritt Is	14	1533EST	0.1	20	0	0			Tornado (F0)	
										A waterspout/tornado was sighted over the Banana River north of Highway 528. The waterspout made landfall in a wooded area north of the barge canal.
Osceola County Intercession City	15	1350EST			0	0			Thunderstorm Wind	
										Thunderstorm winds blew down trees and power lines near Intercession city.
Orange County 10 E Orlando to Orlando	15	1434EST			0	0			Thunderstorm Wind	
										Thunderstorm winds blew down power lines and blew the windshield out of a car.
Brevard County Port St John	15	1516EST			0	0			Hail (0.75)	
										Dime size hail fell in Port St. John.
St. Lucie County Ft Pierce	15	1915EST			0	0			Thunderstorm Wind	
										Thunderstorms winds damaged the roof of a mobile home in near Ft. Pierce.
Orange County Orlando	17	1600EST			0	0			Thunderstorm Wind	
										Thunderstorm winds damaged a hanger door at Orlando Executive Airport.
Volusia County Daytona Beach	25	1756EST			0	0			Hail (1.00)	
										Quarter size hail fell in Daytona Beach.
St. Lucie County Ft Pierce	26	1430EST			0	0			Thunderstorm Wind (G70)	
										Thunderstorm winds produced a wind gust to 81 mph at Ft. Pierce Airport.
Osceola County Kissimmee	26	1930EST 2030EST			0	0			Flash Flood	
										Heavy rain produced flooding in 2 homes in Kissimmee.
Seminole County Casselberry	29	1600EST			0	0	10K		Thunderstorm Wind	
										Thunderstorm winds blew down large trees in Casselberry.
<u>FLORIDA, Northeastern</u>										
Nassau County 2 E Fernandina Beach to 2.5 NE Fernandina Beach	01	1235EST 1240EST			0	0			Waterspout	

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>FLORIDA, Northeastern</u>									
Bradford County Starke	05	1730EST			0	0	1.5K		Thunderstorm Wind (G60)
									Numerous reports of power lines and large tree limbs blown down.
Clay County 3 NE Keystone Hgts to Keystone Hgts	05	1730EST			0	0	15K		Thunderstorm Wind (G65)
									Large trees were toppled through the McRae community. Two big oak trees crashed into a residence.
Marion County Ocala	06	1730EST			0	0	10K		Thunderstorm Wind (G65)
									Along CR-464, an apparent microburst toppled numerous large trees. Two cars were damaged and three homes.
Marion County Ocala	07	1848EST			0	0	1.5K		Thunderstorm Wind (G60)
									Large trees were blown down.
Duval County Jacksonville	11	1440EST			0	0			Hail (0.75)
									Dime size hail along Fort Caroline and University Blvd.
Duval County Atlantic Beach	12	1030EST			0	1			Rip Currents
									A 11-year-old North Carolina was pulled under from a runoff.
Alachua County Alachua	12	1105EST			0	0			Lightning
									Lightning proved deadly for a horse at the Retirement Home for Horses in Alachua. The 13-year-old gelding was adopted by tennis star Martina Navratilova. It was killed instantly in a field shortly after noon.
<u>FLORIDA, Northwest</u>									
Walton County De Funiak Spgs	08	1620CST 1625CST			0	0			Hail (1.50)
									Police officer reported just under golf ball size hail.
Bay County Laguna Beach	30	1355CST 1410CST			0	0			Waterspout
									Several waterspouts were reported just offshore of Laguna beach.
Jackson County Two Egg	30	1947CST 2247CST			0	0	20K	0	Flash Flood
									Heavy rainfall closed several roads, flooded many houses, and sent cars into ditches in northern Jackson county between Greenwood and Two Egg.
<u>FLORIDA, Southern</u>									
Broward County Coconut Creek	02	1305EST			0	0			Funnel Cloud
									A funnel cloud was sighted west of Federal Highway in Coconut Creek.
Palm Beach County 15 WNW Boca Raton	03	1130EST			0	0			Funnel Cloud
									A funnel cloud was sighted about 15 miles west northwest of Boca Raton.
Monroe County 2 SE Longkey to 2.1 SE Longkey	04	1300EST 1310EST			0	0			Waterspout
									A waterspout was sighted two miles southeast of Long Key Bridge.
Collier County East Naples	04	1330EST			0	0	40K		Lightning
									Two lightning initiated fires completely gutted one mobile home and damaged another. Severe pets died in the gutted home's blaze.
Broward County Ft Lauderdale	07	0930EST			1	0			Rip Currents
									A 16-year-old male drowned in a rip current off Fort Lauderdale Beach. The drowning occurred at an unguarded section. M16IW
Dade County 3 SW Miami New Tamiami Ar to 3.5 SW Miami New Tamiami Ar	08	1230EST 1240EST	0.1	5	0	0			Tornado (F0)
									Several small tornados briefly touched down in open fields near SW 152 Avenue and 176 Street in Dade County. Numerous persons videotaped and even chased them.
Collier County 7 NE Naples Muni Arpt	11	0937EST 0940EST			0	0			Funnel Cloud
									A small plane pilot reported a funnel cloud seven miles northeast of Naples.

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm	
FLORIDA, Southern										
Palm Beach County Loxahatchee	13	1800EST			0	0			Thunderstorm Wind (G50)	
									Severe thunderstorm winds toppled a large tree and a fence and produced hail of unknown size.	
Palm Beach County Tequesta	14	1530EST			0	0			Tstm Wind/Hail	
									A SKYWARN spotter estimated thunderstorm wind gusts of 60 mph which knocked down several trees. Hail 3/4-inch in diameter was also observed.	
Palm Beach County 25 E (Pbi)Palm Beach Arpt	17	0800EST			0	0			Waterspout	
									An aircraft pilot reported a waterspout 25 miles east of Palm Beach.	
Monroe County 4 NNE (Eyw)Key West Inl Ar to (Eyw)Key West Inl Ar	17	1210EST 1215EST			0	0			Waterspout	
									A waterspout was sighted four miles north-northeast of Key West.	
Collier County 1 NW Naples Park	17	1530EST			2	6			Lightning	
									Two persons were killed and six injured by a single lightning strike while picnicing at Delnor-Wiggins Pass State Recreation Area. The incident occurred near the height of a thunderstorm when lightning struck a 50-feet high pine tree under which a group of 25 to 30 persons were gathered using a tarpaulin as a roof. Emergency personnel exposed themselves to numerous lightning strikes while rescuing people. M32UT, M64UT	
Collier County 8 W (Apf)Naples Muni Arp	17	1615EST			0	0			Waterspout	
									A waterspout was sighted in Gulf of Mexico, eight miles west of Naples.	
Dade County 3 E Goulds to 2 E Goulds	18	1730EST 1740EST			0	0			Waterspout	
									A waterspout was sighted in Biscayne Bay just offshore Black Point Marina in south Dade. The waterspout moved toward land but lifted to become a funnel cloud just before it moved ashore.	
Palm Beach County 27 ESE (Pbi)Palm Beach Arpt	19	1220EST			0	0			Waterspout	
									A pilot spotted a waterspout in the Atlantic about 27 miles offshore Palm Beach County.	
Collier County 5 N Marco Is Arpt	19	1415EST			0	0			Waterspout	
									A waterspout touched down twice about five miles north of Marco Island.	
Monroe County 4 SW Key Largo to 3 SW Key Largo	24	0630EST 0645EST			0	0			Waterspout	
									A large waterspout was sighted over the Altantic off Rodriquez Key, between Key Largo and Tavernier.	
Palm Beach County 6 SE (Pbi)Palm Beach Arpt	24	1040EST			0	0			Waterspout	
									A waterspout was sighted in the Atlantic six miles offshore Palm Beach.	
Palm Beach County 5 E (Pbi)Palm Beach Arpt	24	1050EST			0	0			Waterspout	
									A waterspout was photographed in the Atlantic just offshore Palm Beach.	
Palm Beach County 1 E Boynton Beach	25	0955EST			0	0			Waterspout	
									The public reported a waterspout in the Atlantic just offshore Boynton Beach.	
Palm Beach County 5 NE South Bay	27	1300EST			0	0			Funnel Cloud	
									The public reported three funnel clouds about five miles northeast of South Bay.	
Monroe County 5 NW (Eyw)Key West Inl Ar	28	1809EST 1820EST			0	0			Waterspout	
									A waterspout was sighted five miles northwest of Key West International Airport.	
Dade County 10 E (Hst)Homestead Afb	29	1153EST 1155EST			0	0			Funnel Cloud	
									Two funnel clouds were sighted in Biscayne Bay near Elliott Key.	

Storm Data and Unusual Weather Phenomena

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								August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm	
<u>FLORIDA, Southern</u>								
Monroe County 2 W Big Pine Key	30	1435EST 1440EST			0 0		Waterspout	
A waterspout was sighted between Big Pine Key and Big Torch Key.								
Broward County Pembroke Pines	31	1800EST			0 0		Funnel Cloud	
A funnel cloud was reported near I-75 and Pines Boulevard.								
<u>FLORIDA, West Central</u>								
Polk County 9 E Lakeland	02	1430EST			0 0	130K	Thunderstorm Wind	
Downburst winds caused minor wind damage to twelve structures in the Lake Lena area of Auburndale. Most damage was confined to shingles, awnings, tree limbs and power lines on the northwest side of Lake Lena. One 60 foot by 40 foot aluminum building was collapsed by the wind along U.S. Highway 92 near the south shore of Lake Lena.								
Pinellas County 4 S St. Petersburg	03	1425EST			0 0		Waterspout	
A short-lived waterspout was sighted near Coquina Key.								
Charlotte County Port Charlotte	05	1410EST			0 0	5K	Lightning	
Lightning struck the county court house and severely damaged the phone and computer systems within the structure.								
Sarasota County Sarasota	05	1540EST			0 0		Hail (0.88)	
Sarasota County Sarasota	05	1545EST			0 1		Lightning	
A 22 year old male was struck by lightning while seeking cover in a small shelter under large trees on the Misty Creek Golf Course.								
Pinellas County St Petersburg	05	1645EST 1648EST			0 0	5K	Thunderstorm Wind (G52)	
A 60 mph wind gust was recorded by WTVT-TV at the St. Petersburg Bayfront. Thunderstorm winds downed a few large trees on top of a home in St. Petersburg and caused minor damage.								
Pasco County 5 N Port Richey	05	1730EST			0 0	10K	Thunderstorm Wind	
Thunderstorm winds downed several power lines along U.S. Highway 19.								
Hernando County Spring Hill	05	1730EST 1735EST			0 0	20K	Thunderstorm Wind	
Thunderstorm winds downed a few large trees and power lines in Spring Hill.								
Hernando County Brooksville to Spring Hill	05	1730EST 2000EST			0 0	5K	Urban/Sml Stream Fld	
Very heavy rainfall of two to three inches in less than an hour caused urban street flooding between the U.S. Highway 19 and 41 corridor from Brooksville to Spring Hill. A few vehicles received minor water damage in Brooksville.								
Pasco County New Port Richey to Growers Corner	05	1730EST 2000EST			0 0		Urban/Sml Stream Fld	
Very heavy rainfall of two to three inches in less than an hour caused urban street flooding between the U.S. Highway 19 and 41 corridor from New Port Richey to Growers Corner.								
Pinellas County Tarpon Springs to Dunedin	05	1730EST 2000EST			0 0	5K	Urban/Sml Stream Fld	
Very heavy rainfall of two to three inches in less than an hour caused urban street flooding along the U.S. Highway 19 corridor between Tarpon Springs and Dunedin. A few vehicles received minor water damage in Dunedin.								
Manatee County Bradenton	06	1430EST			0 0	5K	Thunderstorm Wind	
Thunderstorm winds removed a roof of a home at the 6300 block of 9th Street.								
Manatee County Bradenton	06	1444EST	0.3	5	0 0	50K	Tornado (F0)	
A short lived tornado caused moderate roof damage to three mobile homes and minor damage to twelve mobile homes at the Fair Lanes Acres Mobile Home Park at the 400 block of 49th Avenue in Bradenton.								
Several carports in the mobile home park were severely damaged or destroyed by the brief touchdown. A few eyewitnesses stated that the mini-tornado appeared white in appearance and produced a sound similar to a jet aircraft.								
Pinellas County Tarpon Springs	06	1630EST			0 0	2.5K	Lightning	
Lightning struck and severely damaged the electrical system of the 113 year old Mount Herman Missionary Baptist Church in Tarpon Springs.								

Storm Data and Unusual Weather Phenomena

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
FLORIDA, West Central							
Pinellas County Clearwater to Tarpon Springs	06	1630EST 1900EST			0 0	30K	Lightning
Several lightning strikes downed power lines across northern portions of Pinellas county and caused more than 25,000 residents to loose electrical service for more than two hours. Most of the power outages occurred from Clearwater north to Tarpon Springs.							
Pinellas County Clearwater to Tarpon Springs	06	1630EST 1900EST			0 0	20K	Urban/Sml Stream Fld
Three inches of rain fell in one hour to cause localized flooding of streets from Clearwater north to Tarpon Springs mainly along the U.S. Highway 19 corridor. Several cars received water damage while trying to pass through low-lying flooded roadways in Northern Pinellas county.							
Pasco County Port Richey	06	1659EST			0 0	100K	Thunderstorm Wind
Downburst winds from a thunderstorm caused structural damage to seven mobile homes in the Shalimar Village Mobile Home Park at Stone Road and Robert Avenue near U.S. Highway 19. Two of the homes received major damage, two sustained moderate damage while an additional three mobile homes sustained minor structural damage.							
Pasco County Port Richey	06	1659EST			0 1		Lightning
An elderly male was struck and injured by lightning while standing outdoors at the Shalimar Village Mobile Home Park near U.S. Highway 19.							
Pasco County Hudson	06	1715EST 1720EST			0 0		Hail (0.75)
Dime sized hail fell north of the U.S. Highway 19 and State Road 52 intersection.							
Charlotte County 8 NW Port Charlotte	07	2000EST			0 0	15K	Thunderstorm Wind
Thunderstorm winds downed a large tree atop three parked vehicles which incurred minor to moderate body and glass damage. The damage occurred on Cornelius Boulevard near the city of North Port.							
Lee County 4 E Fort Myers	07	2015EST			0 0	10K	Tstm Wind/Hail
Thunderstorm winds rolled a single wide mobile home 20 feet which caused severe damage to it's exterior shell at Laredo Avenue in eastern Fort Myers.							
Hillsborough County 5 E Tampa	08	1325EST			0 0	5K	Thunderstorm Wind
Thunderstorm winds downed several power lines near the intersection of 78th Street and 34th Avenue.							
Hernando County Spring Lake	08	1440EST			0 0	10K	Thunderstorm Wind
Thunderstorm winds downed several large branches and power lines.							
Pasco County Port Richey	08	1500EST			0 0	60K	Thunderstorm Wind
Downburst winds from a thunderstorm caused damage to five mobile homes along Stone Road and Robert Avenue in Port Richey. Two of the mobile homes incurred extreme damage, one received moderate damage and two had minor damage.							
Hernando County Brooksville	08	1505EST			0 0	8K	Thunderstorm Wind
Thunderstorm winds downed several large branches and power lines in the Country Oaks Estates.							
Pasco County Anclote Key	08	1505EST			0 0		Waterspout
Hillsborough County Tampa to 10 N Tampa	12	1155EST 1300EST			0 0		Urban/Sml Stream Fld
Very heavy rainfall of two to three inches in less than an hour caused minor street flooding in the northern Tampa metro area.							
Pinellas County Clearwater to Tarpon Springs	12	1155EST 1300EST			0 0		Urban/Sml Stream Fld
Very heavy rainfall of two to three inches in less than an hour caused minor street flooding from Clearwater to Tarpon Springs.							
Pasco County New Port Richey	12	1155EST 1300EST			0 0	15K	Urban/Sml Stream Fld
Very heavy rainfall of two to three inches in less than an hour caused minor street flooding in New Port Richey. A few cars along U.S. Highway 19 in New Port Richey received water damage from street flooding.							
Pasco County Zephyrhills	16	1639EST			0 0	2K	Tstm Wind/Hail
Thunderstorm winds gusts of 40 to 45 mph damaged a secondary overhang roof of a mobile home and downed a few tree limbs on Martindale Avenue.							
Lee County 13 E Fort Myers	16	1700EST			0 0	1K	Tstm Wind/Hail

Storm Data and Unusual Weather Phenomena

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
FLORIDA, West Central							
	Thunderstorm wind gusts of 40 to 45 mph damaged a small shed, bent an antenna and removed a few shingles of the roof of a home in Lehigh Acres.						
Lee County 23 S Ft Myers	16	1715EST			0 0	12K	Thunderstorm Wind
	Thunderstorm winds caused major damage to a roof of a home in Bonita Beach. Several other homes incurred minor wind damage to mainly lanai's and pool cage enclosures on McClaughlin and Hickory Boulevards in Bonita Beach.						
Hillsborough County 5 E Tampa	17	1400EST			0 0	5K	Thunderstorm Wind
	Thunderstorm winds downed a couple of large trees which landed atop and damaged a vehicle and a portion of a fence on Wedge Moore Street in the Sable Park area of Tampa.						
Pasco County 8 W Zephyrhills	17	1430EST			0 0	10K	Thunderstorm Wind
	Thunderstorm winds ripped off the roof of a barn in Wesley Chapel.						
Lee County 3 NW Cape Coral	17	1650EST			0 0	1K	Tstm Wind/Hail
	Thunderstorm winds of 40 to 45 mph downed a few small trees.						
Hillsborough County 5 W Tampa	17	1730EST			0 0	250K	Lightning
	Lightning struck and burned to the ground a warehouse on north West Shore Boulevard.						
Hardee County Wauchula	17	1745EST			0 0	5K	Thunderstorm Wind
	Thunderstorm winds caused minor roof damage to a hanger at the Wauchula Municipal Airport. Two medium sized trees were also downed by thunderstorm winds in the city of Wauchula.						
Hernando County Spring Hill	18	1612EST 1615EST			0 0	5K	Thunderstorm Wind
	Thunderstorm winds downed a large grocery store sign which damaged a parked vehicle in Spring Hill. Also, several large trees were downed by thunderstorm winds in Spring Hill.						
Hernando County Spring Hill	18	1612EST			0 0	8K	Lightning
	Lightning struck and ignited a gas pump on fire at a gas station in Spring Hill.						
Hillsborough County 2 SW Tampa	18	1726EST			0 0		Hail (0.75)
	Dime sized hail was reported in the Hyde Park area of Tampa.						
Hillsborough County Tampa	18	1735EST			0 0	15K	Thunderstorm Wind
	Thunderstorm winds downed scattered trees and power lines primarily throughout the downtown area of Tampa.						
Pasco County Hudson	19	1730EST			0 0	2K	Tstm Wind/Hail
	Thunderstorm winds of 40 to 45 mph damaged the roof of a home patio off Kitten Trail and damaged the roof of a mobile home on Mayer Avenue in Hudson.						
Sarasota County Venice	23	1435EST 1605EST			0 0	2K	Heavy Rain
	Heavy rain of 3.5 inches over a period of one and a half hours caused minor street flooding and contributed to several traffic accidents in Venice.						
Hillsborough County Tampa	23	1530EST			0 0	5K	Tstm Wind/Hail
	Thunderstorm winds of 40 to 50 mph blew down a few decorative aluminum panels at Tampa General Hospital.						
Sarasota County Venice	23	1530EST			0 0		Thunderstorm Wind (G52)
	A 60 mph wind gust was measured by the Hatchett Creek Bridge Operator.						
Sarasota County Venice	23	1545EST			0 0		Hail (0.75)
Sarasota County 2 E Venice	23	1554EST	0.2	5	0 0		Tornado (F0)
	A short-lived tornado touched down and receded on Fruitville Road.						
Sarasota County 2 S Sarasota	23	1619EST			0 0		Hail (0.88)
Manatee County 1 N Bradenton	23	1630EST 1635EST	0.8	10	0 0	25K	Tornado (F0)
	A short-lived tornado touched down on the 300th block of 11th Street in Palmetto where it removed the roof off a duplex, shattered a few windows and damaged the lanai of a home. The tornado touched down briefly for a second time and last time on Eighth Avenue in Palmetto and caused no additional damage before it receded and dissipated.						

Storm Data and Unusual Weather Phenomena

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August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>FLORIDA, West Central</u>									
Manatee County Bradenton	23	1630EST 1800EST			0	0	50K		Urban/Sml Stream Fld
Very heavy rain caused localized flooding of streets and low-lying areas in Bradenton. A Bradenton business and several vehicles suffered water damage from the localized flooding.									
Sarasota County Venice	23	1705EST			0	0	5K		Lightning
Lightning struck a utility pole which took down several electrical wires at Auburn and Koontz roads in Venice.									
Manatee County 6 N Bradenton	24	1250EST			0	0			Hail (0.75)
Dime sized hail was observed near the intersection of Interstate 75 and U.S. Highway 41.									
Pinellas County 20 W Clearwater	27	0953EST			0	0			Waterspout
Citrus County 20 SW Crystal River	27	1125EST			0	0			Waterspout
A waterspout was observed and reported by the U.S. Coast Guard in Chassahowitzka Bay.									
<u>FLORIDA, West Panhandle</u>									
Santa Rosa County Harold	04	1508CST			0	0	1K		Thunderstorm Wind (G40)
Winds of 40 to 50 mph blew a tree down on a house in Harold.									
Escambia County Perdido Key	06	0826CST			1	2			Lightning
Three people working at a construction site at Perdido Key were struck by lightning. One of the persons died. The three were huddled underneath a makeshift lean-to. One of the men had a rake in his hand when the bolt hit. Lightning either struck their shelter, the deceased or the rake he was holding. The storms that caused the lightning were moving in from the Gulf of Mexico. It is unlikely the victim was struck by the first lightning bolt. M300U									
Escambia County 8 S Pensacola Beach	18	0950CST 0955CST			0	0			Waterspout
A couple of waterspouts were reported offshore, eight miles south of Pensacola Pass. The waterspouts remained well offshore.									
Escambia County Century	25	1315CST			0	0			Hail (0.75)
Dime size hail was reported in the Century area.									
Escambia County Ensley	25	1430CST			0	0	5K		Lightning
Lightning struck a dry cleaning business in Pensacola causing a small fire to start. The fire was quickly extinguished.									
<u>GEORGIA, East Central</u>									
Columbia County E 1/2 Of County	05	1623EST			0	0			Flash Flood
A severe storm produced flash flooding along streams and in low lying areas.									
<u>GEORGIA, Lower</u>									
Charlton County Winokur	05	1650EST 1715EST			0	0	2K		Thunderstorm Wind (G60)
Numerous reports of large trees and power lines blown down along US-301 in the northern portion of the county.									
<u>GEORGIA, North and Central</u>									
Douglas County 10 S Douglasville to 3 E Douglasville	11 12	1900EST 0100EST			0	0	1M		Flash Flood
Torrential rains from thunderstorms dumped between 6 and 8 inches of rain in a 24 hour period. Most of the rain fell between 8 pm on the 11th and 2 am on the 12th. Several residents in Pine Lake Mobile Home Park were forced to evacuate when water from the creek that drains the lake rose to knee deep. At least 20 roads and a few bridges were washed out. Some roads had gaps 25 feet wide and 15 feet deep in places. No deaths or serious injuries resulted, but one woman barely escaped alive when her car was swept from a bridge. Estimated damage of up to \$1 million did not include damage to homes and automobiles caught up in the storm. The hardest hit area was between Georgia highway 5 and Chapel Hill Road south of Interstate 20.									
Gwinnett County Lilburn	23	1859EST			0	0	20K	0	Thunderstorm Wind
A building collapsed on Holcomb Bridge Road due to thunderstorm winds. Power lines and numerous trees were also reported downed.									
De Kalb County 6 W Lithonia	23	1920EST			0	0	3K	0	Thunderstorm Wind
Numerous trees were knocked down in the southern part of the county. Several homes were reported struck by lightning.									

Storm Data and Unusual Weather Phenomena

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August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>GEORGIA, North and Central</u>									
Fulton County Fairburn	23	2000EST 2030EST			0	0	2K	0	Thunderstorm Wind
Lightning struck several transformers, causing power outages. Tree limbs and power lines were reported down on Fayetteville Road in Fairburn between 900 and 930 pm.									
Coweta County 2 S Palmetto	23	2000EST			0	0	2K	0	Thunderstorm Wind
Thunderstorm winds knocked several trees down on power lines along Highway 29 near Palmetto just after 900 pm.									
Fayette County 6 NW Fayetteville	23	2030EST			0	0	1.5K	0	Thunderstorm Wind
Thunderstorm winds knocked down two power lines on Georgia State Road 92 at Peters Road and West Bridge Road.									
Hall County 9 N Gainesville	24	1555EST			0	0			Hail (0.75)
Dime sized hail was reported in Murrayville.									
Gwinnett County 5 NE Lawrenceville	24	1604EST			0	0	2K	0	Thunderstorm Wind
Thunderstorm winds knocked trees down on Aubrey Road, along Buford Highway and Scales Road. A telephone pole was reported knocked down at Broad Street.									
Lumpkin County Dahlonega	24	1630EST			0	0			Hail (0.75)
Dime sized hail was reported and a tree was knocked down on Happy Hollow Road.									
Cherokee County Waleska	24	1642EST			0	0	8K	0	Thunderstorm Wind
Thunderstorm winds knocked several trees and power lines down. A couple of homes were struck by lightning. Two roads were closed due to high water.									
Floyd County Rome	24	1700EST 1730EST			0	0	1K	0	Thunderstorm Wind
Thunderstorm winds downed power lines on Donnely Drive and Harmony Road between 600 and 630 pm. Power outages affected 1,500 homes, but power to most was restored within a half hour.									
Fulton County Atlanta	24	1706EST 1725EST			0	0	3.5K	0	Thunderstorm Wind
Power lines were snapped in the Buckhead area of Atlanta, as well as near Wesley Road and Interstate 75, Lake Forest Court, Defoor Avenue, Mantissa Road, and Beechwood Drive. A street signal was knocked down at 2060 Mount Paran Road and Northside Drive.									
Cobb County Marietta	24	1715EST			0	0	0.50K	0	Thunderstorm Wind
Tree limbs were reported down on Nottingham Drive in Marietta.									
Cobb County Smyrna to Vinings	24	1720EST 1730EST			0	0	0.50K	0	Thunderstorm Wind
Tree limbs were knocked down on Boulevard Hills off Paces Ferry in the Smyrna and Vinings area.									
Pike County Molena	24	1730EST			0	0	1K	0	Thunderstorm Wind
Several trees were blown down within the city limits.									
Peach County Fort Valley	24	1730EST 1745EST			0	0	1K	0	Thunderstorm Wind
Several trees were reported down within Fort Valley. Power outages were reported between 630 and 645 pm.									
Clayton County Lake City	24	1735EST			0	0	0.50K	0	Thunderstorm Wind
Several tree limbs were knocked down on the Clayton State Colleg campus.									
Clayton County Morrow	24	1745EST			0	0	1K	0	Thunderstorm Wind
Thunderstorm winds knocked power lines down on Morrow Road and Hammock Drive.									
Wilkes County Danburg to Washington	24	1815EST 1915EST			0	0	1.5K	0	Thunderstorm Wind
Windows were blown out of a house around 745 pm. Numerous trees were blown down between Danburg and Washington.									
Clayton County Morrow	24	1825EST			0	0	4K	0	Thunderstorm Wind
Morrow Police Department reported that thunderstorm winds knocked three trees down within the city limits. One fell on a car and the others were on power lines.									

Storm Data and Unusual Weather Phenomena

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August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>GEORGIA, North and Central</u>									
Spalding County Griffin	24	1830EST			0	0	15K	0	Thunderstorm Wind
Thunderstorm winds knocked a tree limb down on the roof of a home. Several other tree limbs and power lines were also downed. Buildings were damaged as winds tore an awning off of a downtown hair salon around 730 pm. Lightning also struck a barn which was then destroyed by fire.									
Oglethorpe County 6 E Lexington	24	1843EST			0	0	1K	0	Thunderstorm Wind
A tree was knocked onto a power line and another tree was on the road.									
Jasper County Monticello	24	1850EST 2000EST			0	0	1.5K	0	Thunderstorm Wind
Power lines and trees were knocked down all over Jasper county, but mainly in Monticello.									
Meriwether County Manchester	24	1940EST			0	0	0.75K	0	Thunderstorm Wind
Trees and power lines were knocked down within Manchester.									
Harris County Pine Mountain Valley	25	1445EST			0	0	2K	0	Thunderstorm Wind
An antenna was blown down by thunderstorm winds. It fell across power lines, which caused outages.									
Hall County 5 SE Gainesville	26	2040EST			0	0			Hail (1.75)
Golf ball sized hail was reported.									
Taylor County 2.5 N Reynolds	27	1645EST			0	0	0.50K	0	Thunderstorm Wind
Power lines were downed due to several tree limbs which were knocked down by thunderstorm winds.									
<u>GEORGIA, Northeast</u>									
Hart County Hartwell	05	1645EST			0	0			Lightning
Lightning caused a house fire.									
<u>GEORGIA, Southeast</u>									
Chatham County 2 E Savannah Beach to 4 ENE Savannah Beach	01	1430EST 1440EST			0	0			Waterspout
Waterspouts off the Savannah Coast.									
Chatham County Savannah	07	1315EST			0	0	30K		Lightning
Lightning struck a tank containing methyl alcohol causing a fire that burned for two hours. A 400 pound lid was thrown 70 feet away from the tank when it exploded.									
Chatham County Savannah	07	1512EST 1700EST			0	0	75K		Flash Flood
Four to eight inches of rain in 2 to 4 hours caused flash flooding and flooding of streets and small streams.									
<u>GEORGIA, Southwest</u>									
NONE REPORTED.									
<u>GEORGIA, West Central</u>									
NONE REPORTED.									
<u>HAWAII</u>									
Honolulu County Nuuanu To Moiliili	31	1400HST 2130HST			0	0			Urban/Sml Stream Fld
Heavy showers produced street flooding in Manoa, Nuuanu and Moiliili. Although there were no reports of streams exceeding their banks, a 50 year-old woman was swept away and drowned when she fell into the rain swollen Waiohale Stream above the Palolo Valley. She lost her balance and fell into the stream while rescuing a boy who had fallen into the stream during a day hike.									
<u>IDAHO, Extreme Southeast</u>									
NONE REPORTED.									
<u>IDAHO, North</u>									
NONE REPORTED.									

Storm Data and Unusual Weather Phenomena

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August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm	
<u>IDAHO, Northwest</u>										
		NONE REPORTED.								
<u>IDAHO, Southeast</u>										
Bannock County Swan Lake	01	1420MST 1430MS T			0	0			Tstm Wind/Hail	
		Thunderstorm produced brief heavy rain and wind gust to 45 mph.								
Butte County 15 SE Arco	12	1600MST 1700MS T			0	0			Thunderstorm Wind (G50)	
		A thunderstorm produced winds gusts 50 to 60 mph at a weather station between Acro and Atomic City.								
Caribou County Soda Springs	13	1843MST 1845MS T			0	0			Tstm Wind/Hail	
		A thunderstorm produced a wind gust to 40 mph.								
Lincoln County Richfield	14	1650MST 1655MS T			0	0			Thunderstorm Wind	
		A weather spotter reported high winds and 50 yards visibility due to blowing dust.								
Lincoln County Shoshone	14	1655MST			0	0			Thunderstorm Wind (G56)	
		A weather spotter in Shoshone estimated the wind speed near 65 mph with a strong thunderstorm wind gust. Large branches were blown off trees and into the street.								
Clark County Dubois	14	1705MST			0	0			Thunderstorm Wind (G58)	
		A thunderstorm associated wind gust to 67 mph was reported at a weather station in Dubois.								
Lincoln County 22 E Shoshone	14	1730MST			0	0			Thunderstorm Wind (G52)	
		Report from Rock Lake RAWS.								
Blaine County 20 E Carey	14	1800MST			0	0			Thunderstorm Wind (G53)	
		Report from the Potter Butte RAWS.								
Butte County Craters Of The Moon	14	1810MST			0	0			Thunderstorm Wind (G51)	
		Report from a weather station at Craters of the Moon.								
Butte County Big Southern Butte	14	1825MST			0	0			Thunderstorm Wind (G60)	
		Report from weather station at Big Southern Butte.								
Bingham County Taber	14	1835MST			0	0			Thunderstorm Wind (G58)	
		Report from weather station near Taber.								
Bingham County Rockford	14	1836MST			0	0			Tstm Wind/Hail	
		A weather spotter estimated 40 to 50 mph wind gusts with the visibility below one mile due to blowing dust.								
Bingham County Blackfoot	14	1850MST			0	0			Tstm Wind/Hail	
		Winds gusted to 52 mph at a weather station in Blackfoot.								
Bonneville County Idaho Falls	14	1925MST			0	0			Tstm Wind/Hail	
		A weather observer at the Idaho Falls airport reported a wind gust to 48 mph.								
Bonneville County Idaho Falls	14	1930MST			0	0			Tstm Wind/Hail	
		Strong winds broke large tree limbs and fored power lines down interrupting power in the Idaho Falls area.								
<u>IDAHO, Southwest</u>										
Ada County Meridian	13	1800MST 2000MS T			0	0			Thunderstorm Wind (G60)	

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
IDAHO, Southwest									
Canyon County Several	13	1800MST 2000MS T			0	0			Wild/Forest Fire
Payette County Several	13	1800MST 2000MS T			0	0			Wild/Forest Fire
Thunderstorms with frequent lightning and strong wind set off several fires and downed powerlines. Wind gusting to 60 miles per hour downed lines in Meridian causing a power outage. Lightning and wind started 12 fires in Canyon county, 6-7 fires in Payette county, and 13 fires in Gem county. Damage amounts were unavailable.									
Gem County Ese Emmett	13	1800MST 2000MS T			0	0			Wild/Forest Fire
Owyhee County Givens Hot Springs	26	1740MST 1840MS T			0	0			Thunderstorm Wind (G60)
Canyon County Se Nampa to Nampa	26	1830MST 2000MS T			0	0	250K		Thunderstorm Wind (G60)
Thunderstorms moved through Southwestern Idaho with strong winds and lightning. Several locations reported downed trees and power lines. The hardest hit area was Nampa in Canyon county. Wind lifted a dairy barn and smashed it, several roofs were pulled off of houses, barns and sheds were blown over, large trees were uprooted, one fell on a house, and several residents reported small grass and barn fires. 911 in Canyon county had a record number of calls. Several fires were ignited by lightning. In the Vale District, 16 fires were started totalling 26000 acres. In Owyhee county, reports of visibility reduced to zero in blowing dust occurred at Givens Hot Springs.									
Owyhee County Near Reynolds Creek to Reynolds Creek	27	1330MST 1430MS T			0	0			Flash Flood
Owyhee County 2-5Nw Murphy to Murphy	27	1330MST 1500MS T			0	0			Flash Flood
Ada County 7 SE Orchard to Orchard	27	1800MST 1900MS T			0	0			Thunderstorm Wind (G80)
Canyon County 2 E Caldwell to Caldwell	27	1830MST 2000MS T			0	0			Thunderstorm Wind (G60)
Severe thunderstorms caused several flash floods and gusty winds. Flash flooding occurred near Reynolds Creek in Owyhee county when 1.4" of rain fell in 40 minutes. Several drainages and creeks were flooded. Also in Owyhee county, Rabbit Creek flooded over the roadway 2 to 5 miles Northwest of Murphy. Damage amounts were unavailable.									
ILLINOIS, Central									
Fulton County 1.5 W Astoria	07	1742CST			0	0			Thunderstorm Wind (G52)
Vermilion County Henning	07	1820CST			0	0	0		Thunderstorm Wind
Thunderstorm winds blew the roof off of a shed in Henning. No injuries were reported and no damage estimate was available.									
Champaign County Sadorus	23	1455CST			0	0	5K		Thunderstorm Wind
Thunderstorm winds blew over between 10 and 15 trees in Sadorus, as well as, numerous tree limbs and power lines. No injuries were reported and damage was estimated between \$2500 and \$5000.									
Sangamon County Williamsville	26	1445CST			0	0			Hail (1.75)
ILLINOIS, Northeast									
ILZ014	Cook	05 07	1200CST 1800CST		5	0			Excessive Heat
Three days of heat indices above 100 degrees, contributed to 4 deaths in Chicago and one in Elmwood Park. On the 5th the high									

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>ILLINOIS, Northeast</u>									
Mchenry County Woodstock	05	2330CST			0	0	200K		Lightning
	Lightning strikes knocked out power at the Woodstock swimming pool and struck power lines and equipment in 25 different places throughout McHenry County. The roof of an apartment building caught fire after being struck by lightning, with damages estimated at \$200,000.00.								
Winnebago County Rockford	19	1859CST 1915CST			0	0			Lightning
	Tree limbs and power lines were downed on the northeast side of Rockford.								
<u>ILLINOIS, Northwest</u>									
Henry County Annawan	18	1501CST	0.1	10	0	0			Tornado (F0)
	Brief tornado touchdown with no damage.								
Henry County Colona	18	1605CST	0.1	10	0	0			Tornado (F0)
	Brief tornado touchdown with no damage.								
Rock Island County Rock Is	19	1600CST			0	0			Lightning
	Lighting ignited 3 structures and cut electrical power to customers.								
<u>ILLINOIS, South</u>									
ILZ088>094	Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac								
	15 31	0200CST 2300CST			0	0			Drought
The drought severity index indicated extreme drought conditions over parts of southern Illinois the last week of August. Only 0.11 inches of rain fell at Paducah during the month. This was the second driest month since 1962 at Paducah, and it was the driest August on record. River levels dropped well below normal, but no serious navigation problems were reported.									
Perry County Tamaroa	15	1745CST			0	0			Hail (0.75)
Jefferson County Scheller	15	1805CST			0	0			Hail (1.00)
Hamilton County Mc Leansboro	15	1845CST			0	0			Hail (0.75)
Wayne County Cisne	15	1910CST			0	0			Hail (1.75)
White County Enfield	15	1916CST			0	0			Hail (0.75)
Edwards County 1 NE Albion	15	2000CST			0	0			Thunderstorm Wind (G50)
	Large tree limbs were blown down.								
Jefferson County Scheller	26	1345CST			0	0			Hail (0.75)
Jefferson County Mt Vernon	26	1430CST			0	0	5K		Lightning
	Lightning struck a school, causing damage to the chimney.								
Jefferson County Waltonville	26	1450CST			0	0	5K		Thunderstorm Wind
	A porch roof was blown on top of a house on Illinois Route 148. Trees were blown down.								
Franklin County 2 E Benton to 10 E Benton	26 27	2330CST 0100CST			0	0			Urban/Sml Stream Fld
	Thunderstorms produced heavy rain that caused road flooding. Radar estimated 1 to 2 inches of rain fell in an hour in parts of Franklin County. Up to a foot of water was over parts of Illinois Route 14 east of Benton.								
<u>ILLINOIS, Southwest</u>									
St. Clair County Marissa	15	1638CST			0	0			Thunderstorm Wind (G50)
	Thunderstorm wind gusts snapped large tree limbs.								
Adams County Countywide	18 19	2300CST 0100CST			0	0			Flash Flood
	Heavy rain flooded county roads mainly across the north part of the county.								
Madison County Collinsville	23	1900CST			0	1			Lightning

Storm Data and Unusual Weather Phenomena

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Injured	Property	Crops	Character of Storm
ILLINOIS, Southwest									
Washington County Nashville	26	1545CST			0	0	5K		Thunderstorm Wind (G50)
A thirteen year old boy suffered minor injuries from a lightning strike in a garage. Lightning struck the garage just as he touched a metal door with the resulting charge knocking him backwards across the garage.									
Thunderstorm wind gusts downed trees and powerlines in Nashville. A garage was damaged when a large tree limb fell through the roof.									
INDIANA, Central									
Tippecanoe County Lafayette	08	0730EST 0731EST			0	0			Lightning
Lightning struck a home and started a fire. House damaged by fire, smoke and water.									
Bartholomew County Petersville	08	1107EST 1115EST			0	0			Thunderstorm Wind (G61)
Downburst from a pulse type storm destroyed a small shed and blew a second shed off of its foundation. Some shingles and siding blown off of homes in the area. Winds were estimated at 70 mph by residents.									
Bartholomew County 8 SE Columbus	08	1130EST 1135EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds blew a roof off of a pole barn.									
Jackson County Reddington	08	1200EST 1205EST			0	0			Thunderstorm Wind
Pole barn smashed by downburst wind. Debris spread nearly 100 yards.									
Rush County Rushville	15	1215EST 1220EST			0	0			Thunderstorm Wind
Trees and limbs were blown down in and around Rushville. Locally flooded streets caused some flooding of a business and a few motorists.									
Marion County 3 SW Indianapolis	15	1500EST 1501EST			0	0			Lightning
Lightning struck near a football practice field at Decatur Central high school. Local football team was on the way inside to take cover when strike occurred. Proximity of lightning caused injuries to 15 players and 2 coaches. No injuries were life threatening.									
Owen County 3 S Spencer	15	1500EST 1600EST			0	0			Flash Flood
Nearly 4 inches of rain from a thunderstorm caused a culvert to wash out south of spencer. Local road closed temporarily for repairs.									
Owen County Gosport	15	1500EST 1505EST			0	0			Thunderstorm Wind
Large tree and few limbs were blown down by thunderstorm winds. Few power lines and poles also brought down by falling tree and limbs.									
Hancock County Greenfield	15	1500EST 1501EST			0	0			Lightning
Lightning destroyed a storage barn and several mowers and a tractor inside.									
Owen County Deans Hill	15	1510EST 1515EST			0	0			Thunderstorm Wind
Thunderstorm winds blew down trees and power lines near Deans Hill. A few power poles also were brought down due to the falling trees.									
Shelby County Fairland	15	1605EST 1615EST			0	0			Thunderstorm Wind
Thunderstorm winds blew down trees and power lines.									
Shelby County Fairland	15	1605EST 1610EST			0	0			Hail (0.88)
Nickel size hail reported in Fairland.									

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
INDIANA, Central									
Shelby County Fairland	15	1610EST 1700EST			0	0			Flash Flood
Flooding reported at Triton Central High School. Water damage reported inside school. Water reported up to headlights of cars in parking lot.									
Greene County Worthington	15	1839EST 1850EST			0	0			Tstm Wind/Hail
Hail and strong winds were reported by the public to the local sheriffs department. No estimate was given on size of hail or speed of wind.									
Cass County Logansport	19	0509EST 0520EST			0	0			Thunderstorm Wind
Thunderstorm winds blew down several trees and limbs in Logansport. Local police department logged 17 phone calls about downed trees.									
Miami County Denver	21	1537EST 1545EST			0	0			Hail (0.75)
Clay County Brazil	23	1400EST 1401EST			0	0			Lightning
Two construction workers struck by lightning.									
Bartholomew County Columbus	23	1500EST 1501EST			0	1			Lightning
Lightning struck elementary school before classes. One janitor sustained minor injuries. Several teachers felt tingling during the strike. Minor damage reported to the building.									
Bartholomew County Columbus	23	1505EST 1506EST			0	0			Lightning
Lightning struck a home causing fire.									
INDIANA, Northeast									
Lagrange County 1 N Lagrange to 1.2 NE Lagrange	14	2045EST 2050EST			0	0			Thunderstorm Wind (G60)
Trees were blown down just north of LaGrange, Indiana.									
Steuben County 5 SW Angola to 5 S Angola	20	1630EST 1640EST			0	0			Thunderstorm Wind (G60)
Trees were blown down by thunderstorm winds south and southwest of Angola, Indiana.									
Steuben County Steuben County	20	1815EST 2130EST			0	0	30K	10K	Flash Flood
Heavy rains of 3.5 inches fell within a 6 hour period on the evening of August 20 producing widespread flooding of roads and of low lying areas in Central and Southern Steuben County. Two roads were washed out by the flash flooding, County Road 800 South west of Hamilton, Indiana and County Road 700 South between County Road 600 East and County Road 700 East. Several vehicle received water damage due to the flooding.									
INDIANA, Northwest									
La Porte County Laporte	07	1715CST 1730CST			0	0			Lightning
A severe thunderstorm producing strong winds and lightning downed many trees and resulted in several power outages in LaPorte County.									
La Porte County Michigan City	07	1730CST 1738CST			0	0			Lightning
Lightning strikes and strong winds resulted in several power outages and downed trees in Michigan City.									

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm	
<u>INDIANA, Northwest</u>										
Porter County Chesterton	07	1738CST 1745CST			0	0	10K		Lightning	
Lightning struck a home in Chesterton, and blew apart a chimney. Damage estimates of \$10,000.00.										
St. Joseph County Walkerton	20	1620CST 1625CST			0	0		0	Thunderstorm Wind	
Strong winds, as a result from a severe thunderstorm, downed many trees in portions of north central Indiana.										
Elkhart County Goshen	20	1625CST 1635CST			0	0		0	Thunderstorm Wind	
St. Joseph County South Bend	22	1615CST 1635CST			0	0		0	Thunderstorm Wind	
Strong winds damaged 11 trailers and destroyed 3. Winds also downed 6 to 8 inch limbs and 18 inch trees just south of the airport.										
Elkhart County Dunlap	22	1710CST 1730CST			0	0		0	Thunderstorm Wind	
Strong winds resulted in a large tree falling on a house 1 1/2 miles west of Dunlap.										
<u>INDIANA, South Central</u>										
NONE REPORTED.										
<u>INDIANA, Southeast</u>										
Dearborn County Aurora	08	1235EST 1240EST			0	0			Hail (0.75)	
<u>INDIANA, Southwest</u>										
NONE REPORTED.										
<u>IOWA, Central</u>										
Sac County 2 SE Wall Lake	04	1400CST			0	0	35K		Thunderstorm Wind (G61)	
Thunderstorms developed over the western portion of the state. In most cases, they were not severe. One storm produced what appeared to be a downburst on a farm southeast of Wall Lake. Trees were downed, along with several sheds and a barn.										
Palo Alto County Emmetsburg	04	1400CST			0	0	10K		Thunderstorm Wind (G50)	
Thunderstorms packing high winds downed numerous trees in and around the city of Emmetsburg. These storms were part of a larger area of storms that moved across the northern counties of Iowa										
Cerro Gordo County Mason City	04	1525CST			0	1	25K		Thunderstorm Wind (G50)	
Marginal severe thunderstorms moved through the Mason City area. Damage was limited around the city, however there were two injuries caused by downed trees. Both occurred in a similar fashion. A tree fell on top of a car, resulting in one injury. A short time later, a tree fell on top of three cars resulting in another injury.										
Hancock County Garner	04	1530CST			0	0	10K		Thunderstorm Wind (G50)	
Winnebago County Buffalo Center	04	1530CST			0	0	20K		Thunderstorm Wind (G50)	
Cerro Gordo County Mason City	04	1538CST			0	1	25K		Thunderstorm Wind (G50)	
Winnebago County Thompson	04	1545CST			0	0	15K		Thunderstorm Wind (G52)	
Hancock County Britt	04	1600CST			0	0	15K		Thunderstorm Wind (G55)	
Worth County Hanlontown	04	1610CST			0	0	10K		Thunderstorm Wind (G50)	
Sac County Sac City	04 05	1930CST 0015CST			0	0	75K	5K	Urban/Sml Stream Fld	

A line of heavy thunderstorms developed over west central into northwest Iowa. Though no severe weather was reported, heavy rainfall occurred. The thunderstorms "trained" over the same areas for several hours, dropping up to 3 inches of rain per hour at times. During the period from 1700 CST to 1930 CST, four to five inches of rain fell over much of Sac and Pocahontas Counties. In spite of the heavy rainfall, flooding was limited to urban and small stream flooding. Damage was relatively minor, and mostly due to flooded basements.

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
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
IOWA, Central									
Pocahontas County									
Pocahontas	04 05	1930CST 0015CST			0	0	75K	5K	Urban/Sml Stream Fld
Boone County									
Boone	04	2000CST			0	0	25K		Lightning
Lightning set the roof of a house on fire in the city of Boone during the evening hours. The fire was contained fairly quickly, however the fire caused many thousands of dollars damage before it was contained.									
Carroll County									
Carroll	05	0200CST			0	0	50K		Lightning
Thunderstorms moved through the city of Carroll. Though they were not severe, lightning caused a fire at the Moose Lodge building in town. The building was set on fire, causing extensive damage.									
Mahaska County									
Oskaloosa	05	1515CST			0	1			Lightning
Thunderstorms moved through Mahaska County during the afternoon hours. They were not severe. Lightning struck a house in Oskaloosa, causing minor injuries to one person.									
Carroll County									
Carroll	06	2245CST			0	0	5K		Thunderstorm Wind (G50)
Thunderstorms rolled through Carroll County producing high winds. Winds of just under 60 MPH moved through Carroll and took down the Moose Lodge building in town. There was also scattered damage reported around town as well.									
Cerro Gordo County									
Rock Falls	06	2335CST			0	0	5K	1K	Thunderstorm Wind (G56)
A cold front progressed southeast into Iowa. Ahead of the front was a very rich air mass with surface dew point temperatures in the middle to upper 70s F., and 850 mb dew point temperatures in the middle teens Celcius. Afternoon temperatures warmed into the lower 90s resulting in CAPE values in excess of 6000 J/kg and lifted indices of -9 degrees C. Thunderstorms erupted just ahead of the cold front during the late afternoon. The storms were below severe levels through the late afternoon and evening as they crossed most of Iowa. Winds of 40 to 50 MPH were reported. There was very little hail, and that which did fall was small. The storms did produce severe winds over Cerro Gordo County. Gusts of 60 to 70 MPH were reported in the Mason City area, where a mobile home was overturned on the southeast side of town. Sixty to seventy MPH winds were also reported in Rock Falls. There was considerable tree damage there with many down.									
Cerro Gordo County									
Mason City	06	2337CST			0	0	40K		Thunderstorm Wind (G56)
Crawford County									
5 N Manilla	07	0200CST			0	0	25K	1K	Thunderstorm Wind (G56)
Thunderstorms moved through the area during the early morning hours. Damage occurred on a farm 5 miles north and 1 mile east of Manilla. The damage appeared to be that of a downburst wind with trees downed and some shed damage on the farm.									
Greene County									
7 N Jefferson	09	1655CST			0	0			Funnel Cloud
Thunderstorms formed in an unstable air mass under the cold pool aloft. An upper level low pressure system moved slowly across Iowa. The storms were not severe, the wind profile was weak, and very little rainfall actually occurred. Outflow boundaries from the storms produced several intersecting boundaries. At these intersections, small thunderstorms produced funnel clouds. None of them became tornadoes.									
Hamilton County									
Webster City	09	1708CST			0	0			Funnel Cloud
Greene County									
Grand Jct	09	1709CST			0	0			Funnel Cloud
Polk County									
2 S Ankeny	09	1717CST			0	0			Funnel Cloud
Davis County									
West Grove	09	1720CST			0	0			Funnel Cloud
Polk County									
Ankeny	09	1806CST			0	0			Funnel Cloud
Lucas County									
Chariton	10	1245CST			0	0			Funnel Cloud
Once again, the air mass over Iowa was very unstable. CAPE values were between 2500 and 3000 J/kg, lifted indices were between -6 and -10 degrees C, and an upper level trough of low pressure was over the state. Thunderstorms developed during the afternoon hours. Wind profiles were weak however. No severe weather occurred, however there were several reports of funnel clouds forming at the collision points of outflow boundaries. None of them became torndoes.									
Madison County									
Bevington	10	1315CST			0	0			Funnel Cloud
Greene County									
Jefferson	10	1641CST			0	0			Funnel Cloud
Adams County									
Corning	19	1518CST			0	0	3K		Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

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August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>IOWA, Central</u>									
Marion County 2 NE Dallas	19	1534CST			0	0	2K	10K	Hail (0.88)
A warm and unstable airmass was located over Iowa. Surface dew point temperatures were surged into the lower to middle 70s ahead of an approaching cold front from the northwest. The freezing level was quite high, over 14,000 feet MSL, thus hail wasnot a major problem. Most of the storms were not severe, but rather heavy rain producers. A few of the storms did become severe. Nickel size hail fell northeast of Dallas in Marion County. The storm had a VIL value from the WSR-88D of 80 kg/m/m. High winds were reported in a few places. Winds of nearly 70 MPH downed several trees in Union County at Lorimor. Wind damage was also reported in Adams County at Corning.									
Union County Lorimor	19	1622CST			0	0	5K	1K	Thunderstorm Wind (G60)
Wapello County Munterville	19	1800CST			0	0	50K		Lightning
Thunderstorms moving through the area caused considerable lightning with numerous reports around the county of transformers being hit. Lightning struck the Lutheran Church in Munterville, setting it on fire. The fire was quickly contained, however there was considerable smoke damage.									
Winnebago County Lake Mills	26	1405CST			0	0			Funnel Cloud
Thunderstorms formed along a weak cold frontal boundary during the afternoon hours. A cold pool of air aloft, with 500 mb temperatures around -12 C. was over the the area. Though no severe thunderstorms occurred, there were numerous reports of cold air funnel clouds.									
Hancock County 3 S Forest City	26	1410CST			0	0			Funnel Cloud
Worth County Joice	26	1415CST			0	0			Funnel Cloud
<u>IOWA, East Central and Southeast</u>									
Dubuque County Cascade	19	1500CST			0	0			Thunderstorm Wind (G50)
Winds flattened one barn.									
Linn County Cedar Rapids	19	1530CST			0	0			Thunderstorm Wind (G60)
Power lines blown down.									
Linn County Cedar Rapids Arpt	19	1530CST			0	0			Thunderstorm Wind (G52)
Measured wind gust to 60 MPH.									
Linn County Marion	19	1545CST			0	0			Thunderstorm Wind (G60)
Winds blew trees and power lines down city wide.									
Linn County Central City	19	1600CST			0	0			Thunderstorm Wind (G60)
Winds blew trees down.									
Jones County Anamosa	19	1630CST			0	0			Thunderstorm Wind (G50)
Winds blew trees and power lines down.									
Cedar County Lowden	22	1530CST 1545CST	0.3	20	0	0			Tornado (F0)
Numerous small funnels were sighted in the area with just one touchdown reported. The touchdown occurred in a corn field.									
<u>IOWA, Northeast</u>									
Howard County Riceville	07	0005CST			0	0	2K		Thunderstorm Wind (G52)
Straight-line winds gusted to 60 mph, knocking down large trees and blowing the roof off an equipment shed on a farm near Riceville.									
Fayette County 2 S Westgate	07	0045CST			0	0	15K		Thunderstorm Wind (G52)
On a farm just south of Westgate, two machine sheds were blown down by straight-line winds gusting to 60 mph. Most of the buildings ended up in a heap in a nearby bean field.									
Winneshiek County Decorah	07	0055CST			0	0	7K		Thunderstorm Wind (G52)
Large tree limbs and power lines were downed by straight-line winds of 60 mph.									
Fayette County Elgin	07	0113CST			0	1	30K		Thunderstorm Wind (G52)
Straight-line winds of 60 mph blew down large trees at a Boy Scout camp near Elgin, trapping several scouts and injuring one. A silo on a nearby farm was also damaged.									

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage	Property	Crops	Character of Storm
<u>IOWA, Northeast</u>										
Allamakee County Postville	07	0120CST			0	0	8K			Thunderstorm Wind (G52)
	Straight-line winds gusting to 60 mph knocked down large trees and flipped a 10 foot diameter metal storage bin into a ditch.									
Allamakee County 4 NW Rossville	07	0125CST			0	0	0.40K			Thunderstorm Wind (G52)
	Straight-line wind gusts to 60 mph hit the Rossville area, felling large trees along Highway 76.									
Allamakee County Lansing	07	0136CST			0	0	0.20K			Thunderstorm Wind (G52)
	Tree limbs around six inches in diameter were blown down from 60 mph thunderstorm wind gusts.									
Clayton County Monona	07	0140CST			0	0	1.5K			Thunderstorm Wind (G52)
	Straight-line winds to 60 mph blew down street signs.									
Howard County 2 N Davis Corners to 2 NE Davis Corners	19	1800CST 1805CST	0.5	50	0	0		1.5K		Tornado (F0)
	A small tornado was reported by law enforcement officials and the public just north of Davis Corners during the early evening. The tornado moved across open fields for several hundred yards, flattening corn, but did not hit any buildings.									
<u>IOWA, Northwest</u>										
Sioux County Sioux Center	04	0630CST			0	0	20K			Thunderstorm Wind (G55)
	Thunderstorm winds caused tree damage and damaged a sign and gravestones at a cemetery.									
Woodbury County Sloan	04	1642CST			0	0				Thunderstorm Wind (G65)
Woodbury County Sioux City	04	1730CST			0	0	5K			Thunderstorm Wind (G50)
	Thunderstorm winds blew down a tree, which took down some wires.									
Woodbury County Danbury	04	2325CST			0	0	5K			Thunderstorm Wind (G50)
	Thunderstorm winds caused tree damage, with one tree falling onto the roof of a house.									
Dickinson County Spirit Lake	10	1455CST			0	0				Thunderstorm Wind (G52)
	Thunderstorm winds damaged trees and power lines.									
<u>IOWA, Southwest</u>										
Monona County 3 N Mapleton	04	1700CST			0	0				Thunderstorm Wind (G52)
	Thunderstorm winds estimated at 60 mph flattened corn north of Mapleton, near the Monona County line.									
Harrison County Little Sioux	04	1935CST			0	0	100K	250K		Thunderstorm Wind (G52)
Monona County Onawa	06	2115CST			0	0	12K			Thunderstorm Wind (G56)
	Thunderstorm winds split trees in half, downed several trees, and tore shingles off roofs.									
Montgomery County Red Oak	19	1451CST			0	0				Hail (1.75)
<u>KANSAS, East</u>										
Jefferson County 1 E Williamstown	01	0700CST 0800CST			0	0				Urban/Sml Stream Fld
	Between three and four inches of heavy rain caused flooding of U.S. Highway 24 just east of Williamstown.									
Coffey County Lebo	06	0925CST			0	0	0.50K			Thunderstorm Wind
	Strong winds downed several power lines and damaged an old building.									
Osage County 6 SSW Barclay	06	0935CST			0	0	2K			Thunderstorm Wind
	A very localized burst of strong winds damaged a barn, knocked down three utility poles and downed a few large trees.									
Washington County 1 NE Washington	07	0305CST			0	0	30K			Lightning
	Lightning struck a house northeast of Washington and started a fire which damaged most of the house.									
Franklin County Ottawa	16	1045CST 1600CST			0	0				Urban/Sml Stream Fld
	Between three and five inches of rain caused several brief periods of flooding of low lying streets.									
Franklin County Richmond	16	1045CST 1600CST			0	0				Urban/Sml Stream Fld

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, East</u>									
Anderson County Garnett	Between three and five inches of rain caused several brief periods of flooding on a few low lying roads and underpasses.								
	16	1045CST 1300CST			0	0			Urban/Sml Stream Fld
Shawnee County Silver Lake	Around four inches of rain caused flooding on a section of U.S Highway 59 in Garnett. Minor lowland flooding along several creeks also occured but no additional flooding of roads was reported.								
	16	1240CST 1600CST			0	0			Flash Flood
Shawnee County Dover	Locally heavy rainfall amounts of three to six inches produced low land flooding and flooding of several low lying roads and bridges.								
	16	1240CST 1600CST			0	0			Flash Flood
Shawnee County Topeka	Locally heavy rainfall of three to six inches produced low land flooding and flooding of low lying streets and bridges in the west central part of the county.								
	16	1240CST 1600CST			0	0			Flash Flood
Republic County 6 N Belleville	Heavy rain, locally exceeding three inches, caused lowland flooding in the central part of the county and flooding of several low lying streets and urban areas in Topeka.								
	19	1433CST			0	0			Hail (1.75)
Republic County Belleville	Thunderstorm Wind (G52)								
	19	1505CST			0	0			Thunderstorm Wind (G52)
Cloud County Glasco	Strong winds downed several large trees.								
	19	1549CST			0	0			Hail (0.75)
Marshall County Marietta	Thunderstorm Wind (G52)								
	19	1631CST			0	0			Thunderstorm Wind (G52)
Riley County Leonardville	Thunderstorm Wind (G52)								
	19	1708CST			0	0			Thunderstorm Wind (G52)
Clay County Clay Center	Thunderstorm Wind (G50)								
	19	1715CST			0	0			Thunderstorm Wind (G50)
Riley County Tuttle Creek Res	Strong winds broke off several large tree limbs.								
	19	1730CST			0	0			Thunderstorm Wind (G52)
Shawnee County Topeka	Thunderstorm Wind (G52)								
	22	0630CST			0	0			Urban/Sml Stream Fld
Morris County Council Grove	Localized areas of one to two inches of rain in a short period of time caused brief flooding of several low lying underpasses and city streets.								
	23	0600CST 0800CST			0	0			Urban/Sml Stream Fld
Between two and a half and three inches of rain caused flooding on three roads on the south and southeast edges of town.									
<u>KANSAS, Extreme Southeast</u>									
Crawford County Pittsburg	Thunderstorm Wind (G70)								
	07	1930CST			0	0	250K	0	Thunderstorm Wind (G70)
A microburst caused widespread damage throughout the city. The hardest hit part was near downtown where two businesses suffered severe damage when their roofs were blown off. Many trees and power lines were blown down, many falling on the roofs of homes.									
Bourbon County Xenia	Thunderstorm Wind (G60)								
	16	1625CST			0	0			Thunderstorm Wind (G60)
Bourbon County Redfield	Thunderstorm Wind (G60)								
	16	1705CST			0	0			Thunderstorm Wind (G60)
Cherokee County 3 N Columbus	Flash Flood								
	17	1745CST			0	0	0	0	Flash Flood
2 inches of rain fell in one hour across central and northeast Cherokee county. Flooding was reported on Highway 7 between Columbus and Stippville.									
<u>KANSAS, North Central</u>									
Phillips County Long Is	Thunderstorm Wind (G70)								
	02	1525CST			0	0	20K	200K	Thunderstorm Wind (G70)
Phillips County 2 NW Phillipsburg	Hail (1.75)								
	02	1550CST			0	0	40K	200K	Hail (1.75)

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, North Central</u>									
Phillips County Woodruff	02	1600CST			0	0	30K	75K	Thunderstorm Wind (G65)
Phillips County Logan	02	1622CST			0	0	30K	75K	Thunderstorm Wind (G65)
Rooks County Webster Res	02	1650CST 1655CST			0	0	50K	100K	Thunderstorm Wind (G80)
Rooks County 7 NW Stockton	02	1700CST 1710CST			0	0	230K	650K	Thunderstorm Wind (G65)
A large and damaging severe thunderstorm rolled south from Nebraska into Phillips and Rooks counties late in the afternoon. Winds of 70 to 90 mph and hail to the size of golfballs were common. In northern Rooks county, nearly 75,000 acres of agricultural land suffered some damage. Rainfall amounts in excess of 4 inches resulting flooding of many county roads and culverts. Property damage to homes and vehicles in northwest Rooks county was extensive. A church camp near Webster Reservoir also sustained heavy damage.									
Osborne County Osborne	05	0035CST			0	0	2K	0	Thunderstorm Wind (G55)
Mitchell County Glen Elder	25	1610CST			0	0	0	0	Urban/Sml Stream Fld
Phillips County Kirwin Res	25	1807CST			0	0	0	0	Urban/Sml Stream Fld
<u>KANSAS, Northeast</u>									
KSZ025	Atchison	07 0000CST 11 2359CST			0	0			Flood
Missouri River Atchison, KS									
Flood Stage 22 ft Above Flood Stage 8/7 to 8/11 Crest 23.4 ft on 8/9									
KSZ103	Leavenworth	09 0000CST 10 2359CST			0	0			Flood
Missouri River Leavenworth, KS									
Flood Stage 20 ft At Flood Stage 8/9 to 8/10 Crest 20.0 on 8/9									
Leavenworth County Tonganoxie	22 23	2130CST 0000CST			0	0			Flash Flood
There were several reports of flooding in the Tonganoxie area. A tributary to Tonganoxie Creek running through Tonganoxie flooded and closed State Avenue.									
<u>KANSAS, Northwest</u>									
Decatur County 8 S Oberlin	02	1632CST			0	0			Hail (0.75)
THREE QUARTER INCH HAIL ALSO REPORTED 4.5 MILES SOUTH OF OBERLIN AT 1628 CST.									
Sheridan County Selden	02	1716CST			0	0			Thunderstorm Wind (G55)
Decatur County Leoville	02	1724CST			0	0			Thunderstorm Wind (G52)
Rawlins County 18 NE Mc Donald	02	1725CST			0	0			Hail (1.75)
Sheridan County Selden	02	1745CST			0	0			Hail (0.75)
Sheridan County 2 N Seguin	02	1752CST			0	0			Hail (1.00)
Graham County 14 S Bogue	02	1800CST			0	0			Hail (0.75)
Rawlins County 3 N Mc Donald	02	1811CST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Northwest</u>									
Cheyenne County 13 NNE Bird City	02	1815CST			0	0			Hail (3.00)
TENNIS BALL TO ORANGE SIZE HAIL REPORTED.									
Cheyenne County 10 N Bird City	02	1833CST			0	0			Hail (1.75)
Gove County Campus	02	1842CST			0	0			Hail (0.75)
THREE QUARTER INCH HAIL ALSO REPORTED IN GRINNELL AT 1838 CST.									
Gove County 12 SSW Grinnell	02	1905CST			0	0			Hail (1.50)
ALSO REPORTED 60 MPH WIND GUSTS.									
Cheyenne County Wheeler	02	1930CST			0	0			Hail (1.75)
Logan County 5 S Monument	02	1935CST			0	0			Hail (0.75)
Cheyenne County St Francis	02	1951CST			0	0			Hail (0.75)
Gove County 18 S Campus	02	1955CST			0	0			Hail (0.75)
Gove County 5 SW Quinter	04	1855CST			0	0			Thunderstorm Wind (G52)
Gove County 2 S Quinter	04	1900CST			0	0			Funnel Cloud
Graham County 13 S Hill City	04	1930CST			0	0			Thunderstorm Wind (G52)
Rawlins County 2 E Atwood	06	1716CST			0	0			Funnel Cloud
Rawlins County 5 SW Herndon to 4 S Herndon	06	1728CST 1740CST	3	100	0	0	5K		Tornado (F1)
TORNADO MOVED EAST AT 10 TO 15 MPH. TWO POWER POLES WERE TAKEN DOWN 5 SW OF HERNDON. SIX POWER POLES WERE DOWNED 4 MILES SOUTH OF HERNDON.									
Thomas County 10 NNE Brewster	06	1814CST	0.1	20	0	0			Tornado (F0)
BRIEF TORNADO REPORTED BY SPOTTER.									
Decatur County 3 N Oberlin	06	1830CST			0	0			Hail (0.75)
Rawlins County 15 S Atwood	06	1916CST			0	0			Hail (1.75)
Thomas County 11 N Colby	06	1916CST			0	0			Hail (1.75)
Thomas County 12 NNE Brewster	06	1940CST			0	0			Hail (1.75)
Decatur County 8 NNE Oberlin	06	1955CST			0	0			Hail (0.75)
Rawlins County 12 S Beardsley	06	1957CST			0	0			Hail (1.75)
Rawlins County 2 SW Atwood	06	2115CST			0	0			Hail (1.75)
Rawlins County 2 SW Atwood	06	2241CST			0	0			Hail (1.00)
Sherman County 10 SE Kanorado	06	2300MST			0	0			Thunderstorm Wind (G52)
LARGE TREE LIMBS DOWN.									
KSZ002	Rawlins 07	0600CST 1800CST			0	0			Flood
BEAVER CREEK FLOODED PORTIONS OF ATWOOD.									
Decatur County 3 E Oberlin	10	2025CST			0	0			Hail (0.75)
Decatur County 5 E Oberlin	10	2030CST	0.2	30	0	0			Tornado (F0)
BRIEF TORNADO MOVING SOUTH.									

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm	
KANSAS, Northwest									
Decatur County 2 W Jennings	10	2035CST			0	0		Hail (1.75)	
Rawlins County 4.5 SW Herndon	14	1545CST			0	0		Hail (0.75)	
Rawlins County 7 S Herndon	14	1605CST			0	0		Hail (1.00)	
Rawlins County 7 SSW Herndon	14	1605CST			0	0		Thunderstorm Wind (G60)	
TWO INCH DIAMETER BRANCHES BROKEN. POWER POLES DOWN.									
Sheridan County 4 SW Selden	14	1640CST			0	0		Hail (0.88)	
Decatur County 17 SSW Oberlin	14	1655CST			0	0		Hail (0.75)	
Sheridan County Hoxie	14	1706CST			0	0		Hail (0.75)	
WINDS UP TO 60 MPH ACCOMPANIED HAIL.									
Gove County Quinter	14	1742CST			0	0		Hail (0.75)	
Gove County Quinter	14	1742CST			0	0	250K	Thunderstorm Wind (G100)	
WINDS ESTIMATED BETWEEN 100 AND 120 MPH DAMAGED UNROOFED A CONVENIENCE STORE, DAMAGED SIGNS, IRRIGATION EQUIPMENT, TREES, POWER LINES, CROPS, WINDMILLS, BINS, TRAILERS, SHEDS, BARN. A 100 FOOT CEMENT SILO WAS BLOWN OVER. A TRACTOR WAS TURNED OVER. TWO HORSES WERE KILLED.									
Gove County 7 SE Quinter	14	1815CST			0	0		Hail (0.75)	
ALSO 2 TO 4 INCH DIAMETER BRANCHES DOWN.									
Greeley County 8 W Tribune	14	2124MST			0	0		Hail (1.75)	
Cheyenne County 1 E St Francis	14	2145CST			0	0		Hail (1.75)	
Sherman County Goodland	14	2249MST			0	0		Hail (1.00)	
Sherman County (Gld)Renner Fld Good	14	2253MST			0	0		Hail (1.00)	
Logan County 7 NW Russell Spgs	14	2330CST			0	0		Thunderstorm Wind (G52)	
BRANCHES FOUR INCHES IN DIAMETER DOWN.									
KANSAS, Southeast									
Barton County 3 NW Galatia to Galatia	02	1901CST			0	0		Thunderstorm Wind (G52)	
Several trees and tree limbs were blown down.									
Barton County 4 SW Galatia to Galatia	02	1910CST			0	0		Thunderstorm Wind (G52)	
Barton County 5 SW Heizer to Heizer	02	1930CST			0	0		Thunderstorm Wind (G56)	
Several large trees were blown down.									
Lincoln County 6 S Vesper to Vesper	19	1652CST			0	0		Thunderstorm Wind (G52)	
Lincoln County 8 W Westfall to Westfall	19	1722CST			0	0		Thunderstorm Wind (G61)	
Numerous trees were blown down.									
Ellsworth County 4 E Wilson to Wilson	19	1730CST			0	0		Hail (1.00)	
Lincoln County 3 S Lincoln to Lincoln	19	1740CST			0	0		Hail (1.00)	
Lincoln County Lincoln	19	1750CST			0	0		Hail (0.75)	

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Ellsworth County 5 E Wilson to Wilson	19	1802CST			0	0			Hail (1.25)
Ellsworth County 7 N Ellsworth to Ellsworth	19	1837CST			0	0			Thunderstorm Wind (G61)
Ellsworth County 6 N Ellsworth to Ellsworth	19	1840CST			0	0			Thunderstorm Wind (G61)
Saline County Brookville	19	1852CST			0	0			Thunderstorm Wind (G52)
Ellsworth County Ellsworth	19	1852CST			0	0			Thunderstorm Wind (G55)
A tractor trailer was blown over on I-70.									
Saline County 9 N Salina to Salina	19	1857CST			0	0			Thunderstorm Wind (G61)
Ellsworth County 6 N Ellsworth to Ellsworth	19	1900CST			0	0			Thunderstorm Wind (G61)
Saline County 6 W Salina to Salina	19	1900CST			0	0			Thunderstorm Wind (G54)
A satellite dish was blown over.									
Saline County Salina	19	1913CST			0	0			Thunderstorm Wind (G54)
A 15 foot tall tree with limbs in excess of 6 inches in diameter was blown over.									
Lincoln County 3 E Lincoln to Lincoln	19	1916CST 2000CST			0	0			Flash Flood
Beaver creek overflowed and covered Highway 18.									
<u>KANSAS, Southwest</u>									
Lane County 3 N Dighton	01	0010CST			0	0			Thunderstorm Wind
9 inch tree limbs blown down									
Kearny County 13 NNW Lakin	01	0035CST			0	0			Thunderstorm Wind (G52)
2 inch tree limbs blown down									
Finney County Garden City	01	0107CST			0	0			Hail (0.75)
Finney County Garden City	01	0110CST			0	0			Thunderstorm Wind (G52)
tree limbs blown down									
Hodgeman County Jetmore	01	0130CST			0	0			Thunderstorm Wind (G52)
Gray County Cimarron	01	0132CST			0	0			Thunderstorm Wind (G52)
Ford County 2 NW Dodge City	01	0145CST			0	0			Thunderstorm Wind (G70)
Ford County Dodge City	01	0155CST			0	0			Thunderstorm Wind (G61)
Clark County 1 E Minneola	01	0215CST			0	0	3K		Thunderstorm Wind (G70)
The door and the north side of a house were damaged...trees were blown down and a shed was destroyed.									
Ellis County 16 NNE Hays	02	1736CST			0	0			Hail (0.75)
Ellis County 16 NNE Hays	02	1736CST			0	0			Thunderstorm Wind (G61)
Ellis County Hays	02	1743CST			0	0			Thunderstorm Wind (G79)
Ellis County 12 NNE Hays	02	1747CST			0	0			Thunderstorm Wind (G52)
Ellis County 8 N Hays	02	1750CST			0	0			Hail (1.50)

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
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
<u>KANSAS, Southwest</u>									
Ellis County 8 N Hays	02	1750CST			0	0			Thunderstorm Wind (G52)
Ellis County Hays	02	1801CST			0	0			Hail (1.50)
Trego County 21 SE Wakeeney	02	1823CST			0	0			Hail (0.75)
Rush County 11 NE La Crosse	02	1825CST			0	0			Hail (0.75)
Ellis County 8 S Ellis	02	1831CST			0	0			Hail (0.88)
Rush County Liebenthal	02	1840CST			0	0			Hail (0.75)
Rush County Liebenthal	02	1850CST			0	0			Hail (0.88)
Rush County Liebenthal	02	1850CST			0	0			Thunderstorm Wind (G52)
Rush County La Crosse	02	1900CST			0	0			Thunderstorm Wind
8 inch tree limbs blown down									
Rush County 2 SE La Crosse	02	1900CST			0	0			Thunderstorm Wind
4 inch tree limbs blown down									
Pawnee County 28 WNW Larned	02	1923CST			0	0			Thunderstorm Wind (G52)
Pawnee County 15 WNW Larned	02	1925CST			0	0			Thunderstorm Wind (G52)
Ness County 4 S Bazine	02	1930CST			0	0			Thunderstorm Wind (G52)
Pawnee County 2 SE Burdett	02	1935CST			0	0			Thunderstorm Wind (G52)
milo crop damaged in the area									
Pawnee County Larned	02	1950CST			0	1	3.2M		Thunderstorm Wind (G100)
Trees blown down...several buildings damaged...power lines blown down...Midas Car Care garage door blown off and had several windows blown out...American Legion roof blew off...1 person injured when a semi truck was blown over on highway 156 just outside of town. At least 15 sprinkler irrigation systems were destroyed. Although officially entered as 100 knots, there were unofficial and unconfirmed reports of 125 MPH winds recorded on home stations. This storm continued south and produced widespread damage into south central Kansas (DERECHO).									
Edwards County 3 S Lewis to Belpre	02	2000CST			0	0	1.8M		Thunderstorm Wind (G90)
Calves killed...cars blown off the highway...a window was blown out of a pickup...60 power poles blown down...a large tree was uprooted in Belpre. The tree was Belpre's historic balsam fir tree, a landmark in the town for 108 years. It was also the first balsam fir tree planted in Kansas. The tree was plnated by a local blacksmith in 1888 after a trip back from Colorado. Note: The balsam fir tree is one of the most difficult trees to transplant and almost never grows outside of its native areas of the Rocky Mountains and the northeastern states. Considering that the tree was dug up several days before and transported to Kansas under less than ideal conditions, the survival of the tree was remarkable. The spring and summer of 1888 were unusually wet, which probably aided its growth and development.									
Edwards County 8 S Lewis	02	2000CST			0	0	2K		Thunderstorm Wind
several large trees blown down...doors blown off of a shed.									
Hodgeman County 14 SW Jetmore	02	2002CST			0	0			Thunderstorm Wind (G52)
Hodgeman County 12 W Jetmore	02	2007CST			0	0			Hail (0.75)
Ford County 3 WNW Dodge City	02	2010CST			0	0			Thunderstorm Wind (G52)
Ford County Spearville	02	2013CST			0	0			Thunderstorm Wind (G70)
Edwards County Kinsley	02	2013CST			0	0	1.6M		Thunderstorm Wind (G70)
13 transformers damaged...97 power poles damaged near Trousdale...1 grain bin destroyed and 1 damaged.									

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Estimated Damage	Property	Crops	Character of Storm
<u>KANSAS, Southwest</u>										
Lane County Shields	02	2015CST			0	0				Thunderstorm Wind (G52)
Pawnee County Zook	02	2015CST			0	0	250K			Thunderstorm Wind (G95)
5 cottonwood trees uprooted...several sheds blown down...part of the roof from a building blown onto 2 combines.										
Kiowa County Haviland	02	2020CST			0	0	2M	1M		Thunderstorm Wind (G87)
2-40,000 bushel grain bins blown over...trees blown down...a roof was blown off a building...several vehicles damaged...mobile home damaged...25-35 percent of the corn fields were destroyed (some of the corn was completely stripped off the cob)...several irrigation pivots overturned.										
Stafford County 8 S Macksville	02	2023CST			0	0				Hail (0.75)
Stafford County Stafford	02	2030CST			0	0				Thunderstorm Wind (G70)
Kiowa County Haviland	02	2030CST			0	0				Thunderstorm Wind (G70)
Numerous trees and tree limbs down.										
Stafford County 8 S Macksville	02	2032CST			0	0				Hail (0.75)
Stafford County 8 S Macksville	02	2032CST			0	0				Thunderstorm Wind (G52)
Pratt County 3 W Byers	02	2044CST			0	0				Hail (1.00)
Stafford County 18 SW St John	02	2045CST			0	0				Hail (0.75)
Stafford County 18 SW St John	02	2045CST			0	0				Thunderstorm Wind (G52)
Pratt County 3 W Byers	02	2046CST			0	0				Hail (1.00)
Pratt County 3 N Pratt	02	2046CST			0	0				Thunderstorm Wind (G52)
Ford County 16 E Dodge City	02	2047CST			0	0				Thunderstorm Wind (G52)
Pratt County 1 W Cullison	02	2047CST			0	0				Hail (1.00)
Pratt County 1 W Cullison	02	2047CST			0	0	2M			Thunderstorm Wind (G110)
8 train cars blown off the tracks while the train was moving from intense thunderstorm winds. One family was nearly "run over" by the derailling train cars. One boxcar ended up about 10 feet away from their vehicle. Winds were nearly 125 mph.										
Kiowa County Haviland	02	2051CST			0	0				Thunderstorm Wind (G61)
Lane County Dighton	02	2055CST			0	0				Hail (1.00)
Lane County Dighton	02	2055CST			0	0				Thunderstorm Wind (G52)
Lane County Healy	02	2055CST			0	0				Thunderstorm Wind
power poles and tree limbs blown down in and west of town.										
Gray County 3 N Howell	02	2055CST			0	0				Hail (0.88)
Finney County 18 N Garden City	02	2057CST 2058CST	0.5	20	0	0				Tornado (F0)
Stafford County 9 SSW Macksville	02	2100CST			0	0				Hail (0.75)
Stafford County 9 SSW Macksville	02	2100CST			0	0				Thunderstorm Wind (G52)
large tree limbs blown down										
Finney County 25 ENE Garden City	02	2115CST			0	0				Thunderstorm Wind (G61)
Barber County 1 NW Sun City	02	2118CST			0	0				Hail (1.00)
Barber County 1 NW Sun City	02	2118CST			0	0				Thunderstorm Wind (G61)

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
KANSAS, Southwest									
Barber County 6 S Sun City	02	2121CST			0	0			Thunderstorm Wind (G52)
Ford County Dodge City Airport	02	2130CST			0	0			Hail (0.88)
Ford County Dodge City	02	2130CST			0	0			Thunderstorm Wind
numerous trees and power poles blown down.									
Barber County 20 W Medicine Lodge	02	2133CST			0	0			Hail (0.75)
Barber County 20 W Medicine Lodge	02	2133CST			0	0			Thunderstorm Wind (G52)
Finney County 15 ENE Garden City	02	2140CST			0	0			Hail (0.75)
Pratt County Coats	02	2145CST			0	0	100K		Thunderstorm Wind
3 foot diameter tree blown down, three grain bins destroyed or heavily damaged.									
Gray County 6 N Cimarron	02	2156CST			0	0			Hail (0.75)
Gray County 6 N Cimarron	02	2156CST			0	0			Thunderstorm Wind (G52)
Finney County Garden City	02	2202CST			0	0			Hail (1.00)
Barber County Hardtner	02	2215CST			0	0			Thunderstorm Wind (G52)
Gray County Ensign	02	2230CST			0	0			Thunderstorm Wind (G61)
small trees blown down.									
Ford County Bucklin	02	2230CST			0	0			Thunderstorm Wind (G52)
3 to 4 inch tree limbs blown down.									
Ford County 5 W Dodge City	02	2235CST			0	0			Thunderstorm Wind (G52)
several tree limbs blown down.									
Clark County 1 E Minneola	02	2245CST			0	0			Thunderstorm Wind (G52)
Haskell County 16 N Sublette	02	2250CST			0	0			Hail (0.88)
Gray County Montezuma	02	2315CST			0	0			Hail (0.75)
Hamilton County 10 SW Syracuse	04	1427MST			0	0			Hail (0.88)
Hamilton County Syracuse	04	1445MST			0	0			Hail (0.75)
Hamilton County 6 S Syracuse	04	1523MST			0	0			Hail (0.75)
Hamilton County Kendall	04	1546MST			0	0			Thunderstorm Wind (G52)
Stanton County Johnson	04	1619CST			0	0			Hail (0.75)
Stanton County Johnson	04	1640CST			0	0			Hail (1.00)
Kearny County Lakin	04	1715CST			0	0			Thunderstorm Wind (G55)
Grant County 3 NW Ulysses	04	1730CST			0	0			Hail (1.00)
Stanton County 2 E Johnson	04	1730CST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
<u>KANSAS, Southwest</u>									
Grant County 3 W Ulysses	04	1805CST			0	0			Hail (1.00)
Grant County 9 NNE Ulysses	04	1840CST			0	0			Hail (1.00)
Lane County 1 W Alamota	04	1850CST			0	0			Hail (0.88)
Ness County 18 W Ness City	04	1854CST			0	0			Thunderstorm Wind (G50)
Ness County 18 W Ness City	04	1857CST			0	0			Thunderstorm Wind (G63)
Ness County Utica	04	1915CST			0	0			Hail (0.75)
Ness County 1 N Ransom	04	1925CST			0	0			Thunderstorm Wind (G61)
6 inch tree limbs blown down.									
Ness County 1 N Ransom	04	1937CST			0	0			Thunderstorm Wind (G61)
several tree limbs blown down									
Ness County Ransom	04	1945CST			0	0	40K		Thunderstorm Wind (G61)
25 foot tree uprooted...3 doors blown off of an elevator...a roof was blown off of a barn just south of town.									
Trego County Cedar Bluff Res	04	1947CST			0	0			Thunderstorm Wind (G52)
Trego County Cedar Bluff Res	04	2015CST			0	0			Thunderstorm Wind (G52)
KSZ064	Hodgeman								
	05	1300CST			0	0			Flood
	06	1200CST							
Buckner creek was out of its banks flooding bridges and some crop land.									
Clark County 1 SE Ashland	10	0330CST			0	0	50K		Lightning
Lightning struck a home and caused extensive damage. South and southwest walls of the house were moved off the foundation. The carpet was singed. The floor in one room was forced 2 feet upward... several other walls were cracked.									
Scott County 13 N Scott City	10	2242CST			0	0			Hail (1.75)
Scott County Scott City	10	2302CST			0	0			Hail (1.00)
Scott County Scott City	10	2311CST			0	0			Hail (0.75)
Finney County 10 N Garden City	10	2348CST			0	0			Hail (0.75)
Finney County 7 S Friend	10	2352CST			0	0			Hail (0.75)
Trego County 10 S Collyer	14	1758CST			0	0			Hail (2.00)
Trego County 10 S Collyer	14	1758CST			0	0			Thunderstorm Wind (G87)
several trees blown down									
Trego County 8 S Collyer	14	1800CST			0	0			Hail (1.00)
Trego County 8 S Collyer	14	1800CST			0	0			Thunderstorm Wind (G70)
Trego County 10 S Collyer	14	1810CST			0	0			Hail (1.00)
milo crops damaged									
Trego County 7 N Ransom	14	1830CST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
KANSAS, Southwest									
Ness County Ransom	14	1835CST			0	0	3K		Thunderstorm Wind (G63)
		several power poles and trees blown down							
Rush County 5 SSW Alexander	14	1910CST			0	0			Thunderstorm Wind (G52)
		2 inch tree limbs down							
Lane County 3 S Dighton	14	1945CST			0	0			Hail (0.88)
		milo was shredded 2 miles west of this location							
Stanton County 9 S Manter	14	2155CST			0	0			Hail (0.75)
Morton County 12 NW Richfield	14	2205CST			0	0			Hail (0.75)
Lane County 8 WSW Dighton	14	2249CST			0	0			Hail (1.75)
Scott County 8 NW Manning	14	2255CST			0	0			Hail (1.00)
Finney County Kalvesta	14	2315CST			0	0			Thunderstorm Wind (G52)
Finney County Kalvesta	14	2327CST			0	0			Hail (0.75)
Seward County 2 W Kismet	19	1600CST			0	0			Hail (0.75)
Meade County 1 W Plains	19	1625CST			0	0			Hail (0.75)
Meade County 8 N Plains	19	1635CST			0	0			Hail (0.88)
Meade County 8 N Plains	19	1645CST			0	0			Hail (0.88)
Gray County 8 SW Montezuma	19	1650CST			0	0			Hail (0.75)
Seward County 15 NW Liberal	19	1815CST			0	0			Hail (1.00)
Pawnee County Burdett Rozel Arpt	19	1847CST			0	0	5K		Thunderstorm Wind
		brand new airplane hanger destroyed							
Pawnee County Burdett Rozel Arpt	19	1847CST			0	0	25K		Thunderstorm Wind
		brand new airplane hanger destroyed							
Pawnee County 1 W Burdett	19	1853CST			0	0			Hail (0.75)
Pawnee County 5 N Burdett	19	1900CST			0	0			Hail (0.75)
Rush County 3 SE Shaffer	19	1905CST			0	0			Hail (1.00)
Pawnee County 4 W Ash Valley	19	1934CST			0	0			Hail (1.00)
Stevens County Hugoton	19	1945CST			0	0			Hail (0.75)
Pawnee County 3 SSE Ash Valley	19	2020CST			0	0			Thunderstorm Wind (G52)
		3 inch tree limbs blown down							
Stafford County 2 NW Hudson	19	2100CST			0	0			Hail (0.75)
Ford County 4 NE Windthorst	19	2135CST			0	0			Thunderstorm Wind (G52)
Ford County 4 NE Windthorst	19	2143CST			0	0			Thunderstorm Wind (G52)
Ford County 5 SE Dodge City	20	0732CST 0830CST			0	0			Flash Flood
		areas of the highway from Ft Dodge to Ford flooded...Jewell Road near Ft Dodge flooded.							

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
<u>KANSAS, Southwest</u>									
Pratt County 2 E Pratt	20	1400CST 1800CST			0	0			Flash Flood
Water went out of its banks on the south fork of the Ninnescha east of pratt flooding some fields and low lying roads.									
KSZ079 Edwards	21 22	1600CST 1200CST			0	0		200K	Flood
Fields and streets were flooded from rising Coon Creek. Rains fell 2 days earlier. There was crop damage.									
Stanton County 1 S Manter	23	0205CST 0300CST			0	0			Flash Flood
20 foot wide area of water over the road									
Rush County 7 S Alexander	23	0633CST 0730CST			0	0			Flash Flood
1/4 mile stretch of roadway under water									
Kiowa County 2 W Belvidere	23	1807CST 1900CST			0	0			Flash Flood
water covering the road									
Meade County 3 E Plains	23	2116CST 2215CST			0	0			Flash Flood
Highway 160 flooded									
Meade County 3 NE Kismet	23	2215CST 2300CST			0	0			Flash Flood
water 3 inches deep over the road									
Finney County Garden City	30	1700CST 1930CST			0	0			Flash Flood
several steets...yards and driveways flooded.									
<u>KENTUCKY, Central</u>									
Washington County Maud	02	1600EST			0	0			Thunderstorm Wind (G50)
Several trees down.									
Taylor County Campbellsville	16	1710EST			0	0			Thunderstorm Wind (G52)
60 mph winds reported by county DES.									
Adair County Pellyton	17	1400EST			0	0	2K	250K	Tstm Wind/Hail
Up to golf ball size hail caused damage to local tobacco crops. Several trees and power lines were downed by the thunderstorm winds. A roof was partially torn off a grandstand at the Fairgrounds. Report was from a spotter.									
Jefferson County Louisville	20	1600EST			0	0			Thunderstorm Wind (G50)
Thunderstorm winds downed several trees and power lines in the Buechel and Fern Creek areas.									
Woodford County Midway	27	1400EST 1405EST			0	0		500K	Hail (1.75)
Golf ball size hail damaged 100 acres of tobacco.									
Fayette County Lexington	27	1430EST 1440EST			0	0			Thunderstorm Wind (G50)
Trees and power lines down.									
<u>KENTUCKY, Eastern</u>									
Floyd County 3 SE Mc Dowell	08	1630EST 1730EST			0	0	10K	0	Flash Flood
Heavy rains resulted in flash flooding along Ned Fork. Three houses were damaged, and a road was washed out. Several cars were also damaged.									
Perry County Napfor	08	1700EST 1800EST			0	0	3K	0	Flash Flood

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
<u>KENTUCKY, Eastern</u>									
	Flash flooding occurred after up to 4 inches of rain fell within an huor. A house was damaged, and 3 to 4 feet of debris was deposited in a road.								
Pike County Millard	08	1745EST			0	0	0	0	Thunderstorm Wind
	Trees were downed.								
Lee County Primrose	16	1555EST			0	0	0	0	Hail (1.00)
<u>KENTUCKY, Northeast</u>									
	NONE REPORTED.								
<u>KENTUCKY, Northern</u>									
Owen County Owenton	08	1423EST 1426EST			0	0	5K		Thunderstorm Wind (G50)
	Numerous trees downed with some blocking roads.								
Owen County Gratz	27	1300EST 1305EST			0	0			Hail (0.75)
Owen County Owenton	27	1300EST 1430EST			0	0	20K		Flash Flood
	Ground floor of a store was flooded from persistent heavy rainfall.								
<u>KENTUCKY, Southwest</u>									
KYZ001>022	Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg - Caldwell - Union - Webster - Hopkins - Christian - Henderson - Daviess - Mclean - Muhlenberg - Todd								
	15 31	0200CST 2300CST			0	0			Drought
	The drought severity index showed extreme drought conditions over much of western Kentucky during the last week of August. The National Weather Service office in Paducah recorded the driest August ever. August of 1996 was the second driest month since 1962. Only 0.11 inches fell in the rain gage at Paducah. River levels fell below normal, but no serious navigation problems were reported.								
Henderson County Henderson	26	1300CST 1500CST			0	0	8K		Urban/Sml Stream Fld
	A brief thunderstorm caused local flooding of roads and a few buildings. Rainwater backed up into a junior high school, flooding six classrooms. Students were evacuated from the area around 2:30 P.M. CDT. In the city of Henderson, several vehicles were abandoned in flooded streets.								
<u>LOUISIANA, Northeast</u>									
Franklin Parish Winnsboro	20	2030CST			0	0	3K		Thunderstorm Wind
	Several trees and power lines were blown down in and around Winnsboro.								
<u>LOUISIANA, Northwest</u>									
Bossier Parish Haughton	01	0612CST 1015CST			0	0	25K		Flash Flood
	Heavy rain resulted in the flooding of five homes in the Tall Timbers Subdivision. Some homes had three to five feet of water inside.								
Red River Parish Coushatta	01	0612CST 1015CST			0	0			Flash Flood
	Numerous roads flooded in town by 8 inch rains.								
Red River Parish 1 NE Coushatta	01	0812CST			0	0	5K		Flash Flood
	An elderly woman was driving her automobile northeast along Hwy 155 when she was swept off the highway by flash flooding. The woman's car was flipped over several times and she had to be rescued. No reports were made of any injuries.								
Winn Parish Winnfield	01	0824CST 1230CST			0	0			Urban/Sml Stream Fld
	Localized heavy rainfall resulted in several reports of low area flooding and a few small bayous and ditches overflowed as well.								
Caddo Parish Shreveport	01	2101CST			0	0			Hail (1.75)
	Hail was reported across northern Shreveport north of Cross Lake.								
Caddo Parish Shreveport	01	2105CST			0	0			Hail (1.00)
Bossier Parish Bossier City	01	2110CST 2117CST			0	0			Hail (1.00)

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm	
<u>LOUISIANA, Northwest</u>										
Bossier Parish										
Bossier City	01	2115CST			0	0			Thunderstorm Wind (G75)	
Caddo Parish										
Shreveport	01	2116CST			0	0			Thunderstorm Wind (G60)	
Caddo Parish										
Shreveport	01	2118CST			0	0			Hail (0.75)	
Caddo Parish										
Shreveport	01	2120CST			0	0			Thunderstorm Wind (G60)	
Caddo Parish										
Shreveport	01	2130CST			0	1			Lightning	
A 13 year old boy was struck by lightning as he ventured outside to free two small puppies from their tangled leashes during a thunderstorm. The boy suffered minor burns but was not seriously injured.										
Caddo Parish										
Shreveport	09	1748CST 2045CST			0	0			Flash Flood	
Five to six feet of water accumulated under the I-20 underpass at Monkhouse Drive in east Shreveport. Numerous reports of flooding was also reported across portions of the city.										
De Soto Parish										
5 S Mansfield	28	1040CST 1445CST			0	0			Flash Flood	
Flash flooding was reported along U.S. Hwy 171 along the DeSoto, Sabine County line.										
Sabine Parish										
Converse	28	1040CST 1445CST			0	0			Flash Flood	
Flash flooding was reported along LA Hwy 174.										
De Soto Parish										
Carmel	28	1040CST 1445CST			0	0			Flash Flood	
Flooding was reported by a NWS employee at the Carmel Exit of I-49.										
<u>LOUISIANA, Southeast</u>										
St. Tammany Parish										
Slidell	10	1230CST 1430CST			0	0	20K		Urban/Sml Stream Fld	
Police reported minor flooding of a few homes and extensive flooding of strees and roadways. Rainfall of 2 to 3 inches fell during a 2 hour period.										
St. Tammany Parish										
Slidell	10	1430CST			0	0	30K		Lightning	
Lightning damaged several computers, the telephone system including the emergency 911 service.										
St. James Parish										
Convent	10	1600CST 1650CST			0	0			Urban/Sml Stream Fld	
Sheriff's Office reported extensive street flooding.										
Ascension Parish										
Donaldsonville	10	1600CST 1650CST			0	0			Urban/Sml Stream Fld	
Sheriff's Office reported street flooding.										
Lafourche Parish										
Port Fourchon	11	1430CST	0.1	10	0	0			Tornado (F0)	
A waterspout came onshore and damaged a trailer.										
Iberville Parish										
Plaquemine	12	1700CST			0	0	5K		Thunderstorm Wind	
Sheriff's Office reported trees and power lines downed and small hail.										
Tangipahoa Parish										
Amite	12	1717CST			0	0			Thunderstorm Wind	
Sheriff's Office reported trees downed.										
Washington Parish										
Warnerton	12	1720CST			0	0	0.40K		Thunderstorm Wind	
Sheriff's Office reported trees downed.										
Ascension Parish										
Gonzales	12	1730CST			0	0	0.30K		Thunderstorm Wind	
Sheriff's Office reported trees downed.										
Livingston Parish										
Livingston	12	1745CST			0	0	0	0	Thunderstorm Wind	
A televisions station relayed a report of a thunderstorm wind gust of 61 knots from a citizen in Livingston. The wind gust was measured by anemometer.										

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>LOUISIANA, Southeast</u>									
St. Tammany Parish Folsom	12	1750CST			0	0	0.30K		Thunderstorm Wind
Office of Emergency Management reported trees downed.									
St. James Parish Gramercy	12	1750CST			0	0	0.20K		Thunderstorm Wind
Thunderstorm winds downed several trees.									
St. John The Baptist Parish Wallace	12	1800CST			0	0	0.20K		Thunderstorm Wind
Sheriff's Office reported trees downed.									
Jefferson Parish Metairie	12	1847CST			0	0	0.20K		Thunderstorm Wind
Civil Defense reported trees downed.									
Jefferson Parish 5 N Metairie	13	2225CST			0	0			Thunderstorm Wind (G52)
Causeway Police reported a 60 mph wind gust on the south end of the Lake Pontchartrain Causeway Bridge.									
Tangipahoa Parish 5 SW Kentwood	20	1735CST			0	0	0.40K		Thunderstorm Wind
The public reported thunderstorm winds downed several trees.									
St. James Parish Convent	25	1930CST			0	0	2K		Lightning
Lightning started a fire that damaged a house.									
<u>LOUISIANA, Southwest</u>									
Calcasieu Parish Moss Bluff	12	1530CST			0	0			Hail (0.75)
Allen Parish Elton	12	1530CST			0	0	10K		Thunderstorm Wind
Severe thunderstorm winds blew several trees down, causing extensive damage to power poles and property.									
Acadia Parish Rayne	13	0340CST			0	0	10K		Thunderstorm Wind
Severe thunderstorm winds caused extensive damage to several homes when trees blew over on them.									
<u>MAINE</u>									
Androscoggin County Poland Spg	04	1330EST			0	1			Lightning
One man was hospitalized and suffered minor nerve damage after being struck by lightning while golfing. Seven others standing nearby were knocked to the ground, presumably by the ground current, and later experienced buzzing in their ears and tingling in their feet.									
Waldo County Lincolntonville	18	1656EST			0	0			Hail (0.75)
A severe thunderstorm moving through Waldo County produced large hail in the Lincolntonville area.									
Waldo County Lincolntonville Center	18	1710EST			0	0			Hail (2.00)
A severe thunderstorm moving through Waldo County produced large hail in Lincolntonville.									
Aroostook County Ft Kent	25	1730EST			0	0			Hail (0.75)
A severe thunderstorm moving through northern Aroostook County produced 3/4 inch hail in the Ft. Kent area causing localized damage to crops, and to the roofing and siding of buildings.									
Aroostook County Ft Kent	25	1730EST			0	0			Thunderstorm Wind
Winds from a severe thunderstorm lifted a section of roofing and carried it nearly 100 ft., destroyed a farm machinery shed, and knocked over two utility buildings at a radio transmitter site.									
Oxford County North Waterford	26	1525EST			0	0			Hail (1.00)
A severe thunderstorm moving through Oxford County produced 1 inch hail in the North Waterford area. The hail broke windows in a local church and accumulated to a depth of several inches.									
Oxford County North Waterford	26	1525EST 1530EST			0	0			Thunderstorm Wind (G90)
A hail induced microburst from a severe thunderstorm blew apart several buildings in a local lumberyard. The wooden roof of one of the buildings landed about 100 yards away in a wooded area. The storm also knocked over a garage and numerous trees. In Albany, the wind blew over a barn.									

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
MAINE									
Oxford County Norway to South Paris	26	1540EST			0	0			Thunderstorm Wind
Winds from a severe thunderstorm knocked over trees in the Norway and South Paris areas.									
Kennebec County Readfield	26	1650EST			0	0			Thunderstorm Wind
Wind from a severe thunderstorm downed trees and powerlines in the Readfield area of Kennebec County.									
MARYLAND, Central									
Frederick County Frederick	16	1342EST 1357EST			0	0			Hail (0.75)
Skywarn and county emergency management officials reported 3/4 inch diameter hail at different times in Frederick.									
Montgomery County Bethesda	16	1455EST			0	0			Hail (0.88)
Nickel-sized hail was reported at the junction of the interstate 270 spur and the Capital Beltway (interstate 495).									
Prince George'S County Bowie	16	1550EST 1552EST			0	0	75K		Thunderstorm Wind (G61)
A wet microburst knocked down over 100 trees, several power lines, and caused minor structural damage along a 1 3/4 mile, 300-yard wide path through a commercial/residential section of Bowie. Hail averaging the size of quarters (1 inch diameter) piled up between 1 and 2 inches deep at several residences prior to and during the microburst.									
The damage began along Annapolis Road (state route 450) and tracked southeast through the Buckingham and Somerset residential sections before dissipating just west of state route 3. At the Market Place Mall (on Annapolis Road), a small portion of roof was lifted off, causing some rain and hail to filter into a hair salon. Water damage was minimal. An awning surrounding a tire center was blown off, and a small portion of the mall's cinema placard was stripped.									
The storm continued through the subdivisions, knocking down a combination of white pine, white poplar, and Bradford Pear trees. Sturdy hardwood (e.g. oak) trees were untouched. Several trees fell onto or into homes in the area, but the majority fell on yards. One of the fallen trees punched a hole through a single family home. Two trees fell onto vehicles, temporarily trapping the drivers. No injuries were reported; approximately 5000 Potomac Electric Power Co. customers lost electricity.									
Anne Arundel County Countywide	16	1600EST 1615EST			0	0	10K		Thunderstorm Wind
Several trees and large limbs were knocked down in Anne Arundel Co from a pulse-severe thunderstorm. The same storm dumped 3/4 inch diameter hail for approximately 15 minutes in the Rose Haven subdivision near the western shore of the Chesapeake Bay.									
St. Mary'S County St Marys City	16	1715EST			0	0			Hail (0.75)
The emergency operations center reported 3/4 inch diameter hail in St Mary's City.									
Howard County 2 W Columbia	27	1345EST			0	0	1K		Hail (1.00)
Quarter-sized hail was reported by county emergency officials just west of Columbia.									
Howard County 3 N Columbia to 2.5 N Columbia	27	1350EST	0.5	50	0	0	15K		Tornado (F0)
A small, short-lived tornado caused minor damage to subdivisions along Frederick Road (state route 144) north of Columbia. Four trees were knocked down, including two onto a home, along Pine Bluffs Drive. A large limb fell at the intersection of Font Hill and Carrington Drive(s).									
Prince George'S County Ft Washington	27	1515EST			0	0			Hail (0.75)
Three-quarter inch diameter hail was reported.									
Charles County 3 E La Plata	27	1550EST			0	0	15K		Thunderstorm Wind
A wet microburst uprooted or snapped 10 large trees at a rural residence 3 miles east of La Plata. No structural damage was reported at the home.									

Storm Data and Unusual Weather Phenomena

August 1996

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

MDZ008-012-015-019>020 Cecil - Kent - Queen Annes - Talbot - Caroline

12 1000EST **0 0** **Heavy Rain**
13 0800EST

A low pressure system that developed along the Gulf Coast States on Monday morning the 12th moved northeast and passed through the Delmarva Peninsula the morning of the 13th. It tapped the abundant moisture over the South and consequently produced heavy rain across all of the Maryland Eastern Shore. Storm totals averaged 2 to 3 inches, but since this was spaced over 24 hours, flooding was generally confined to poor drainage locations. Storm totals included 2.2 inches in Federalsburg.

MARYLAND, South

Worcester County
Stockton **03 1315EST** **0 0** **Urban/Sml Stream Fld**
County Route 366 was closed due to high water. Also, a local side street was closed due to a sinkhole 5 feet in diameter.

Worcester County
Snow Hill **03 1315EST** **0 0** **Urban/Sml Stream Fld**
Highway 12 was closed due to water 2.5 feet deep covering the road.

Dorchester County
Taylors Is **16 1745EST** **0 0** **Hail (0.88)**

Worcester County
5 S Ocean City **18 0645EST** **2 40** **0 0** **15K** **Tornado (F0)**
0700EST

Small tornado reported by police at the Assateague Island State Park. A truck was overturned and several trees were uprooted. The storm moved over Sinepuxent Bay, crossed over the park then moved out into the ocean.

MARYLAND, West

Garrett County
Mtn Lake Park **08 1720EST** **0 0** **Flash Flood**
1830EST

Small streams went out of their banks near Mountain Lake Park.

Garrett County
Oakland **08 1720EST** **0 0** **5K** **Lightning**
Lightning sparked a fire that destroyed a barn near Oakland.

MASSACHUSETTS, Central and East

Worcester County
Worcester **04 1800EST** **0 0** **Urban/Sml Stream Fld**

A thunderstorm brought very heavy localized rainfall to the west side of the city of Worcester. One street was flooded with water up to 4 to 5 feet deep and a small car was set afloat. Other automobiles were submerged by street flooding and numerous manhole covers were reported blown off. Rainfall amounts varied greatly and only 1.48 inches was recorded at Worcester Municipal Airport.

Bristol County
Easton **06 1620EST** **0 0** **Hail**

A very localized severe thunderstorm dropped dime size hail and 0.90 inches of rain on Easton Center, while only 0.02 inches of rain fell in South Easton.

Plymouth County
Brockton **10 2015EST** **0 0** **Heavy Rain**
2045EST

Two inches of rain fell in 30 minutes in Brockton from a strong thunderstorm.

Hampden County
Westfield to **23 1557EST** **0 0** **Thunderstorm Wind (G52)**
West Springfield **1607EST**

Hampden County
Holyoke **23 1607EST** **0 0** **Hail (0.75)**

Hampden County
West Springfield **23 1614EST** **0 0** **Hail (0.88)**

Hampden County
Ludlow **23 1615EST** **0 1** **Lightning**

A severe thunderstorm brought a wind gust to 60 mph to a part of Westfield and West Springfield. A tree and some wires were reported knocked down. Several hours after the storm, at 9:30 PM, a large tree, likely weakened by the earlier strong winds, fell on a crowd of people gathered at an outdoor festival, killing one man and injuring six other people. Dime size hail fell in Holyoke and nickel size hail was reported in West Springfield. A cable TV repairman was struck and injured by lightning in Ludlow.

Worcester County
East Brookfield to **23 1645EST** **0 1** **Lightning**
Worcester **1655EST**

Bands of thunderstorms with damaging lightning moved through Worcester County, slightly injuring an Auburn woman and igniting fires in Worcester, Oxford, and Auburn. In East Brookfield, lightning knocked out the two-way police radio communication system. Power failures affected 6,800 customers in Auburn and smaller outages occurred in Oxford and Millbury.

Hampshire County
Williamsburg **27 1630EST** **0 0** **Hail (0.88)**

Storm Data and Unusual Weather Phenomena

August 1996

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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MASSACHUSETTS, Central and East

Hampshire County							
Northampton	27	1653EST			0 0		Thunderstorm Wind (G50)
Hampshire County							
Williamsburg to South Hadley	27	1705EST			0 1 20K		Lightning
Hampden County							
Holyoke to Chicopee	27	1715EST 1745EST			0 0 200K		Urban/Sml Stream Fld
Hampshire County							
Northampton	27	1720EST			0 0		Flash Flood
Hampden County							
Holyoke	27	1720EST			0 0		Hail (0.75)
Hampden County							
Holyoke	27	1730EST			0 0 100K		Thunderstorm Wind (G52)
Hampshire County							
South Hadley	27	1745EST			0 0		Thunderstorm Wind (G50)

Thunderstorms brought heavy rain, large hail, and wind damage to portions of Hampden and Hampshire Counties. Rainfall of at least four inches was recorded in Williamsburg and a 3-hour amount of 4.5 inches was recorded in the Leeds section of Northampton. Small stream flooding and extensive street flooding was reported in Northampton. Dime to nickel size hail and wind damage was observed in Williamsburg and Northampton. Trees were knocked down in both Northampton and South Hadley. A person was reported injured by lightning in Williamsburg. In South Hadley, lightning struck a tree which fell on two parked automobiles and both were a total loss. In Holyoke, the force of strong thunderstorm winds peeled back part of the roof of a four-story apartment building and downed several large trees. In Chicopee and Holyoke, urban street flooding resulted in a road cave-in and some manhole cave-ins. Sewer lines backed up, causing an estimated \$50,000 to \$100,000 damage to a local high school. A roof collapsed over gas pumps at a gas station in Chicopee.

MASSACHUSETTS, West

Berkshire County							
Great Barrington	23	1530EST			0 0 8K		Thunderstorm Wind

A cold front crossed western New England during the afternoon of August 23. The front produced a severe thunderstorm at Great Barrington in Berkshire County. Numerous trees were downed by the wind and several hundred residents were without power due to the trees taking out power lines.

Berkshire County							
Coltsville	27	1213EST			0 0 1K		Hail (1.00)
Berkshire County							
Pittsfield	27	1220EST			0 0 2K		Hail (1.00)
Berkshire County							
Windsor	27	1257EST			0 0 0.20K		Hail (0.75)

An unstable atmosphere was situated over western New England on August 27. As an upper air disturbance crossed the region during the late morning and afternoon hours, scattered severe thunderstorms developed over Berkshire County. Hail was reported in several locations throughout the county.

MICHIGAN, East

Midland County							
6 E Hope	07	1630EST			0 0		Thunderstorm Wind (G60)
Bay County							
Pinconning	07	1634EST			0 0		Thunderstorm Wind (G50)
Saginaw County							
4 W Brant	07	1640EST			0 0		Thunderstorm Wind (G60)
Shiawassee County							
Countywide	07	1645EST			0 0		Thunderstorm Wind (G70)
Genesee County							
Montrose	07	1701EST			0 0		Thunderstorm Wind (G55)
Saginaw County							
Chesaning	07	1705EST			0 0		Thunderstorm Wind (G60)
Genesee County							
Gaines	07	1735EST			0 0		Thunderstorm Wind (G60)
Shiawassee County							
Countywide	07	1800EST			0 0		Thunderstorm Wind (G70)
Huron County							
Bad Axe	07	1808EST			0 0		Hail (0.75)
Lapeer County							
North Branch	07	1840EST			0 0		Thunderstorm Wind (G55)
Sanilac County							
Marlette	07	1840EST			0 0		Thunderstorm Wind (G60)

Severe thunderstorms developed across the Saginaw Valley east through the Thumb late in the afternoon on the 7th, as a cold front

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Crops	Character of Storm
<u>MICHIGAN, East</u>									
brought an abrupt end to a mid-August heat wave. Damage was mainly confined to powerlines and trees. The worst damage occurred in Shiawassee county, where downed powerlines and trees were reported county-wide. Consumer's power reported power outages to over 6000 customers.									
Wayne County Dearborn	13	1645EST			0	0			Hail (1.00)
St. Clair County St Clair	14	1358EST			0	0			Thunderstorm Wind (G55)
Macomb County New Baltimore	20	1405EST			0	0	40K		Thunderstorm Wind (G70)
St. Clair County Marine City to Fair Haven	20	1410EST 1412EST			0	0			Thunderstorm Wind (G60)
A severe thunderstorm tracked near the north coast of Lake Saint Clair during mid-afternoon on the 20th, resulting in a swath of wind damage. The most damage was done in the town of New Baltimore, in Macomb county, where damage to trees and powerlines was widespread. Falling tree branches damaged two parked cars, and a falling tree did an estimated 20,000 dollars of damage to one house. Several other houses sustained minor damage. Golfball-sized hail was also reported.									
Bay County Bentley	22	1710EST			0	0			Thunderstorm Wind (G50)
<u>MICHIGAN, Extreme Southwest</u>									
NONE REPORTED.									
<u>MICHIGAN, North</u>									
Arenac County Delano	07	1610EST			0	0			Hail (0.88)
Iosco County 2 N Whittemore	07	1610EST			0	0			Thunderstorm Wind (G55)
60-65 mph wind gusts caused extensive structural damage to a house and garage. Several large trees were also uprooted in a nearby cemetery.									
Otsego County Waters	14	1333EST			0	0			Hail (1.00)
Otsego County 4 S Gaylord	14	1340EST			0	0			Hail (1.75)
Otsego County Waters	14	1349EST			0	0			Hail (0.75)
Otsego County Otsego Lake	14	1354EST			0	0			Hail (0.75)
Roscommon County Roscommon Airport	14	1405EST			0	0			Hail (1.00)
Large hail damaged the wings of a small plane parked at the airport.									
Emmet County Pellston Airport	14	1528EST 1542EST	0.1	5	0	0			Tornado (F0)
Observers at the Pellston airport reported a small tornado northeast of the airport. It remained nearly stationary for much of its existence then moved northeast. The tornado touched down in a field and did no damage.									
Emmet County 2 NE Pellston	14	1545EST			0	0			Hail (0.75)
Cheboygan County Mullet Lake	14	1617EST			0	0			Hail (0.75)
Otsego County Elmira	14	1632EST			0	0			Hail (1.00)
Cheboygan County Cheboygan	14	1757EST			0	0			Hail (0.75)
Alpena County Herron	14	1805EST			0	0			Hail (1.00)
Wexford County Cadillac	19	2315EST			0	0			Thunderstorm Wind (G55)
Wind gusts of 60-65 mph uprooted several trees and downed power lines in several parts of the city.									
Missaukee County Lake City	19	2330EST			0	0			Thunderstorm Wind (G55)
Wind gusts of 60-65 mph uprooted several trees and downed power									

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>MICHIGAN, North</u>									
Gladwin County 7 E Gladwin	22	1650EST			0	0			Hail (0.75)
<u>MICHIGAN, Upper</u>									
Gogebic County Ironwood	07	0230EST 0240EST			0	0			Thunderstorm Wind (G55)
Stright line winds from thunderstorms knocked down 6 inch diameter branches in the city of Ironwood. No property damage was reported.									
Iron County Iron River to 4 W Crystal Falls	07	0420EST 0450EST			0	0	5K		Thunderstorm Wind (G55)
A series of microbursts struck Iron County during the early morning of the 7th. The first was in Iron River where several trees between 12 and 20 inches in diamtere were downed over a two block area. The wind tore aluminum sheeting off the roof of a garage, drove a 2X4 piece of wood through the siding of a house, and broke several windows. One of the trees clipped the south side of a garage roof. Combined damage in Iron River was estimated to be \$5000.									
The second microburst was on County Road 424, 9 miles southeast of Iron River. This area consisted of downed trees between 6 and 10 inches in diameter covering a 100 foot wide swath. No property damage ocurred with this microburst.									
The final area was 6 miles west of Crystal Falls covering the intersection of US highway 2 and Oss Road. This area also contained downed trees up to 20 inches diameter and covered a 250 yard wide and one mile long swath. No property damage observed.									
Marquette County 4 W Marquette to Harvey	07	0525EST 0530EST			0	0	30K		Thunderstorm Wind (G53)
A downburst of winds downed several large trees between the west side of Marquette and Harvey. The storm also damaged 3 power cells at the Board of Light and Power which knocked out power to 3000 customers for 3 hours.									
<u>MICHIGAN, West</u>									
Mecosta County Remus	06	1945EST			0	0	2K		Thunderstorm Wind
Power lines were blown down by the wind in Remus. A large tree was blown down along highway M66.									
Ionia County 1 SW Muir to Muir	07	1605EST			0	0	4K		Thunderstorm Wind
Numerous trees were blown down throughout the Muir and Lyons area. Power lines were downed along high M21. Winds were estimated to be between 60 and 70 MPH.									
Ionia County 1 NE Lyons to Lyons	07	1605EST			0	0	4K		Thunderstorm Wind
Numerous trees were downed by the wind in the Muir and Lyons area. Power lines were blown down along highway M21. Winds were estimated to be between 60 and 70 MPH.									
Gratiot County Ithaca	07	1605EST			0	0			Hail (1.75)
Gratiot County Sickles	07	1612EST			0	0			Thunderstorm Wind
Large trees were blown down.									
Clinton County 5 N St Johns to St Johns	07	1640EST			0	0	5K		Thunderstorm Wind
Several large trees were downed by the wind.									
Clinton County 1 S St Johns to St Johns	07	1725EST			0	0			Thunderstorm Wind (G55)
Wind speed was measured by a spotter.									

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
MICHIGAN, West									
Clinton County St Johns	07	1745EST			0	0	4K		Thunderstorm Wind
	Many trees downed by the wind.								
Barry County 5 W Prairieville	07	1745EST			0	0			Thunderstorm Wind
	Trees were downed by the wind along the shores of Pine Lake.								
Barry County Delton	07	1755EST			0	0	5K		Thunderstorm Wind
	Numerous trees and power lines were downed by the wind. Half inch diameter hail was also reported.								
Barry County Nashville	07	1805EST			0	0	5K		Thunderstorm Wind
	Numerous trees were downed by the wind from Morgan into Nashville.								
Clinton County (Lan)Capitol Cty Arp	07	1812EST			0	0			Thunderstorm Wind (G54)
	A thunderstorm gust of 62 MPH was observed at Capitol City Airport.								
Berrien County 2 S Bridgman to Bridgman	07	1845EST			0	0	5K		Thunderstorm Wind
	Several large trees were blown down across railroad tracks.								
Clinton County Eagle to Park Lake	07	1850EST 2100EST			0	0			Flash Flood
	Local highway flooding was reported across southern Clinton County with some areas reporting accumulations over 3 inches.								
Eaton County Grand Ledge to Millet	07	1850EST 2100EST			0	0			Flash Flood
	Local highway flooding was reported across northeastern Eaton County with some reports of 3 inches or more rainfall.								
Ingham County Lansing to Webberville	07	1850EST 2100EST			0	0			Flash Flood
	Local highway flooding was reported across northern Ingham County with rainfall amounts exceeding 3 inches in some areas.								
Ingham County 3 W Lansing	07	1850EST			0	0			Thunderstorm Wind (G50)
	Wind was measured at Channel 6 TV west of Lansing.								
Ingham County Lansing	07	1850EST			0	0	3K		Thunderstorm Wind
	Large limbs and some trees were downed by the wind.								
Ingham County Lansing	07	1920EST			0	0	1K		Thunderstorm Wind
	Several large tree limbs were blown down.								
Jackson County Springport	07	2100EST			0	0	5K		Thunderstorm Wind
	Power lines and several large trees were downed by the wind.								
Calhoun County Battle Creek	07	2105EST			0	0	3K		Thunderstorm Wind
	Several large trees were blown down.								
Calhoun County 2 SE Duck Lake	07	2120EST			0	0	3K		Thunderstorm Wind
	Some trees were blown down.								
Kent County Lowell	14	1600EST			0	0	7K		Thunderstorm Wind
	Several trees were blown down. One home was observed with minor damage.								
Eaton County Grand Ledge	14	1800EST			0	0	3K		Thunderstorm Wind
	Power lines were downed by the wind.								

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm	
MICHIGAN, West										
Van Buren County 5 E Glendale to Glendale	14	1810EST			0	0	5K		Thunderstorm Wind	
Numerous trees and power lines were downed by the wind in an area between Bloomingdale and a point 5 miles east of Glendale.										
Barry County Delton	14	1835EST			0	0	5K		Thunderstorm Wind	
Numerous trees and power lines were reported downed by the wind in an area between Orangeville and Delton.										
Kalamazoo County Richland	14	1848EST			0	0	5K		Thunderstorm Wind	
Several trees and some power lines were downed by the wind in and around Richland.										
Kalamazoo County Oshtemo	14	1852EST			0	0	5K		Thunderstorm Wind	
Numerous trees and power lines were downed by the wind. Half inch hail was also reported.										
Kalamazoo County Alamo	14	1916EST			0	0	3K		Thunderstorm Wind	
Several trees were blown down.										
Clinton County Elsie	14	1930EST			0	0	5K		Thunderstorm Wind	
Numerous trees and power lines were downed by the wind. Half inch hail was also reported.										
Eaton County Sunfield	14	1939EST			0	0	7.5K		Thunderstorm Wind	
Power lines were blown down from Sunfield to Mulliken.										
Cass County Edwardsburg	14	1945EST			0	0	5K		Thunderstorm Wind	
Trees and power lines were downed by the wind at several locations in and around Edwardsburg.										
St. Joseph County Three Rivers	14	1945EST			0	0	5K		Thunderstorm Wind	
Trees and power lines were blown down at several locations in Three Rivers.										
Calhoun County 3 S Homer to Homer	14	2100EST			0	0	3K		Thunderstorm Wind	
Trees were downed by the wind.										
Montcalm County Greenville	19	1600EST			0	0	2K		Thunderstorm Wind	
Montcalm County Sheridan	19	1610EST			0	0	20K		Thunderstorm Wind	
Montcalm County 5 E Sheridan to Sheridan	19	1635EST			0	0	25K		Thunderstorm Wind	
From Greenville to 5 miles east of Sheridan, numerous reports of trees blown down were reported throughout the area. In the town of Sheridan, there several reports of building damage mostly to roofs. A school in Greenville had a large plate glass window blown out.										
Kent County 3 E Rockford	19	1640EST	0.1	10	0	0	5K		Tornado (F1)	
Numerous trees were twisted out of the ground of had the tops twisted off by this short path tornado in Rockford. No building damage was reported.										
Ionia County Muir	19	1900EST			0	0	5K		Thunderstorm Wind	
Ionia County Saranac	19	1915EST			0	0	5K		Thunderstorm Wind	
Ionia County Belding	19	1915EST			0	0	5K		Thunderstorm Wind	
Ionia County Palo	19	1930EST			0	0	3K		Thunderstorm Wind	
Numerous trees were blown down across the northern portion of the county bounded by Muir, Belding, Saranac, and Palo.										
Calhoun County Duck Lake	20	1245EST			0	0	3K		Thunderstorm Wind	
Trees blown down.										
Jackson County Springport	20	1315EST			0	0	5K		Thunderstorm Wind	
Numerous trees and limbs blown down.										

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Property	Crops	Character of Storm
<u>MICHIGAN, West</u>										
Branch County Union City	20	1505EST			0	0	10K			Thunderstorm Wind
Branch County Hodunk	20	1520EST			0	0	10K			Thunderstorm Wind
Branch County Coldwater	20	1535EST			0	0	10K			Thunderstorm Wind
Numerous trees and power lines were reported down across the northern half of the county between Union City and Coldwater. Much of the area was without power for a period up to 6 hours.										
Montcalm County 3 N Langston	22	1735EST			0	0	5K			Thunderstorm Wind
Power lines were blown down.										
Mecosta County Big Rapids	26	1815EST			0	0	10K			Hail (1.00)
Mecosta County Big Rapids	26	1825EST			0	0	10K			Hail (1.00)
Damage to numerous automobiles was reported.										
<u>MINNESOTA, Central and South Central</u>										
Swift County 2 N Holloway	06	1635CST			0	0				Hail (0.75)
Douglas County 8 SE Alexandria	06	1730CST			0	0				Hail (0.75)
Pope County 2 W Westport	06	1735CST			0	0				Hail (0.75)
Kandiyohi County 1 N Prinsburg	06	1830CST			0	0				Hail (0.75)
Chippewa County 3 W Clara City	06	1913CST			0	0				Hail (1.75)
Kandiyohi County Willmar	06	1930CST			0	0				Thunderstorm Wind (G59)
4 inch diameter treelimbs down.										
Redwood County 5 SW Redwood Falls	06	2002CST			0	0				Funnel Cloud
Redwood County 3 S Redwood Falls	06	2004CST			0	0				Thunderstorm Wind (G52)
Tree barns, machine shed and windmill destroyed on farmstead. Building and tree damage. Estimated windspeed.										
Redwood County Wabasso	06	2006CST			0	0				Thunderstorm Wind (G52)
Meeker County Litchfield	06	2015CST			0	0				Thunderstorm Wind (G53)
Pope County 8 NE Glenwood	06	2015CST			0	0				Hail (0.75)
Meeker County Grove City	06	2020CST			0	0				Thunderstorm Wind (G52)
Sibley County 2 W Gibbon	06	2035CST			0	0				Thunderstorm Wind (G50)
4 inch branches down. Estimated windspeed.										
Mcleod County Plato	06	2052CST			0	0				Thunderstorm Wind (G55)
Trees down. Roof blown off produce building. Shed destroyed. Estimated windspeed.										
Douglas County Alexandria	06	2053CST			0	0				Thunderstorm Wind (G50)
Douglas County 2 E Holmes City	06	2053CST			0	0				Thunderstorm Wind (G50)
Numerous trees blown over. Docks damaged on Lake Mary. Windows blown out. Estimated time and windspeed.										
Carver County 3 SE Norwood	06	2105CST			0	0				Thunderstorm Wind (G55)
Pole barn and machine shed destroyed. Windows broken. Estimated windspeed.										
Carver County Waconia	06	2108CST			0	0				Thunderstorm Wind (G55)
12 inch diameter trees down. Estimated windspeed.										
Sibley County Gibbon	06	2108CST			0	0				Thunderstorm Wind (G52)
8 inch diameter tree limbs down. Estimated windspeed.										

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
MINNESOTA, Central and South Central									
Carver County 1 NE Mayer	06	2117CST			0	0			Thunderstorm Wind (G55)
	Large trees down. Shed destroyed. Grainery and silo damaged. Estimated windspeed.								
Hennepin County St Bonifacius	06	2117CST			0	0			Thunderstorm Wind (G55)
	20 inch diameter tree down. Estimated windspeed.								
Scott County 2 NE Lydia	06	2120CST			0	0			Thunderstorm Wind (G55)
	Structural damage. Roof torn off pole barn. Estimated windspeed.								
Wright County Delano	06	2122CST			0	0			Thunderstorm Wind (G52)
Todd County Staples	06	2124CST			0	0			Thunderstorm Wind (G55)
	Trees down. Windows blown out. Storage building damaged. Tennis court fence damaged. Pickup truck blown across road. Estimated windspeed.								
Hennepin County Minnetrista	06	2131CST			0	0			Thunderstorm Wind (G50)
	Four inch branches down. Estimated windspeed.								
Hennepin County Corcoran	06	2135CST			0	0			Thunderstorm Wind (G55)
	Barn blown off foundation. Estimated windspeed.								
Scott County Shakopee	06	2135CST			0	0			Thunderstorm Wind (G50)
	Trees down. Estimated windspeed.								
Hennepin County Minneapolis	06	2144CST			0	0			Thunderstorm Wind (G50)
	Three inch branches down. Estimated windspeed.								
Dakota County Rosemount	06	2151CST			0	0			Thunderstorm Wind (G55)
	Siding off houses. Estimated windspeed.								
Dakota County Apple Valley	06	2151CST			0	0			Thunderstorm Wind (G54)
Dakota County Lilydale	06	2151CST			0	0			Thunderstorm Wind (G52)
	Large trees down. Estimated windspeed.								
Hennepin County Brooklyn Park	06	2154CST			0	1			Thunderstorm Wind (G65)
	House and garages blown off foundation. Roof and siding damage. 20 to 30 homes with major damage. Trees uprooted in a three-block area just west of the Mississippi River. One minor injury from flying glass. Estimated windspeed.								
Anoka County Anoka	06	2155CST			0	0			Thunderstorm Wind (G60)
	Roofs blown off apartments and businesses. 30 year old tree uprooted. Estimated windspeed.								
Anoka County Fridley	06	2155CST			0	2			Thunderstorm Wind (G70)
	Roof collapsed at gas station injuring one person. Big trees blown over. Estimated windspeed.								
Anoka County Spring Lake Park	06	2155CST			0	0			Thunderstorm Wind (G65)
	Numerous large trees down. Numerous buildings damaged. Estimated windspeed.								
Ramsey County St Paul	06	2200CST			0	0			Thunderstorm Wind (G60)
	Trees blown over blocking entry ramps to Interstate. Estimated windspeed.								
Ramsey County Maplewood	06	2205CST			0	0			Thunderstorm Wind (G70)
	300 foot wide, 2 mile long path of damage. Large trees blown over. Roof damage to apartment building. Mobile home destroyed by large tree. 150,000 people without power in the entire metro area for a time. Estimated windspeed.								
Washington County Oakdale	06	2220CST			0	0			Funnel Cloud
Washington County Oakdale	06	2220CST			0	0			Thunderstorm Wind (G50)
	Trees knocked over. Large tree section blown onto house, puncturing roof above kitchen. Estimated windspeed.								
Washington County Stillwater	06	2220CST			0	0			Thunderstorm Wind (G50)
	Trees and power lines down. Damage to boats at marina. Estimated windspeed.								

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Injured	Property	Estimated Damage	Crops	Character of Storm
MINNESOTA, Central and South Central										
Mille Lacs County										
7 N Isle	06	2230CST			0	0				Thunderstorm Wind (G55)
	Trees down and trailer overturned at marina along east shore of Mille Lacs Lake. Estimated windspeed.									
Steele County										
Owatonna	06	2309CST			0	0				Thunderstorm Wind (G52)
Douglas County										
Millerville	21	2005CST			0	0				Hail (0.75)
	Trees also reported down from thunderstorm winds of 50 mph in Millerville, Leaf Valley and Miltona. Fallen trees damaged cabins at resort on Lake Miltona.									
Todd County										
2 NW Browerville	21	2055CST			0	0				Thunderstorm Wind (G52)
Swift County										
Kerkhoven	21	2125CST			0	0				Thunderstorm Wind (G50)
	Trees down. Estimated windspeed.									
Kandiyohi County										
Raymond	21	2200CST			0	0				Hail (1.75)
Goodhue County										
Cannon Falls	25	1925CST			0	0				Hail (0.75)
Dakota County										
Randolph	25	1936CST			0	0				Thunderstorm Wind (G50)
	Trees and power lines down. Estimated windspeed.									
MINNESOTA, Northeast										
Lake County										
6 E Ely	04	1630CST			0	0				Thunderstorm Wind (G60)
	Many trees and a few power lines were blown down between Farm and Browns Lakes. Falling trees damaged a few cabins and vehicles. Wind speed is estimated.									
Cook County										
30 NW Grand Marais	06	1955CST			1	1				Lightning
	A 12-year-old girl died near Gunflint Lake after being struck by lightning. She and her family were walking back to their cabin and were about 20 yards from the building when the strike occurred. The girl's mother was knocked unconscious and did not have a pulse. She was revived by cardiopulmonary resuscitation and was later listed in stable condition. F120U									
St. Louis County										
Hibbing	06	2147CST			0	0	400K			Lightning
	Lightning struck and downed a power line adjacent to a restaurant's kitchen. The line fell against a wall and ignited a fire that brought down the roof, two outside walls, and consumed the building's contents.									
Crow Wing County										
Garrison	06	2158CST			0	0				Thunderstorm Wind (G61)
	Many trees were blown down and shingles were lifted off roofs.									
Aitkin County										
12 S Aitkin	06	2300CST			0	0				Thunderstorm Wind (G50)
	Hundreds of trees and many power lines were blown down on the north and east sides of Mille Lacs Lake. Some boats, docks, and trailer homes were also damaged. Wind speed is estimated.									
Carlton County										
Cloquet	06	2315CST			0	0				Thunderstorm Wind (G50)
	Numerous trees and power lines were blown down in Cloquet and other parts of the county. Wind speed is estimated.									
St. Louis County										
Duluth	06	2330CST			0	0				Thunderstorm Wind (G60)
	A 60 knot wind gust was measured by the Lift Bridge tender at the Duluth harbor. Large trees and tree branches up to a foot in diameter were snapped off in other parts of the city and surrounding communities. A 55 knot gust was also recorded by automated wind sensors at Duluth International Airport. A few large billboards near the airport were blown down.									
Koochiching County										
Birchdale	13	0500CST			0	0				Hail (2.75)
	Hail put holes in the roof of a garage.									
Koochiching County										
International Falls	13	0620CST			0	0				Hail (2.00)
	Law enforcement officials reported hail damage to many vehicles.									
Koochiching County										
1.5 E Ranier	13	0645CST			0	0				Hail (2.00)
	Piles of hail were still on the ground 6 hours after it fell.									
St. Louis County										
Hibbing	13	1659CST			0	0				Hail (0.75)
St. Louis County										
Gilbert	13	1715CST			0	0				Hail (1.00)

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage	Property	Crops	Character of Storm
<u>MINNESOTA, Northeast</u>										
St. Louis County										
Zim	13	1719CST			0	0				Hail (0.75)
Koochiching County										
Indus	21	1723CST			0	0				Hail (0.75)
Koochiching County										
5 S Indus	21	1739CST			0	0				Hail (1.00)
Koochiching County										
(Inl)Intl Falls Arpt	21	1825CST			0	0				Thunderstorm Wind (G60)
Many large trees were blown down in the city of International Falls. Some structural damage due to falling trees was also reported.										
Koochiching County										
1 S Ericsburg	21	1827CST			0	0				Hail (1.00)
Koochiching County										
10 E International Falls	21	1830CST			0	0				Thunderstorm Wind (G50)
Several trees up to six inches in diameter were blown down near the Voyageurs National Park Visitors Center. Wind speed is estimated.										
St. Louis County										
30 NW Crane Lake	21	1845CST			0	0				Thunderstorm Wind (G50)
Several large trees were blown down at Wooden Frog Campground on Lake Kabetogama. Wind speed is estimated.										
Cass County										
Backus	21	2025CST			0	0				Thunderstorm Wind (G61)
Strong thunderstorm winds took the roof off a store, and a pickup truck was tipped over when a large nearby tree was uprooted. Many other trees were also blown down or uprooted.										
Cass County										
Longville	21	2050CST			0	0				Thunderstorm Wind (G50)
Large trees were blown down. Wind speed is estimated.										
St. Louis County										
3 NW Ely	21	2135CST			0	2				Thunderstorm Wind (G50)
Large trees were blown down on the Echo Trail, blocking roads. Two campers were injured when a tree fell on a tent. Wind speed is estimated.										
Cook County										
1 N Grand Marais	21	2312CST			0	0				Thunderstorm Wind (G50)
Many large trees and power lines were blown down along the Gunflint Trail causing electrical outages. Wind speed is estimated.										
Aitkin County										
6 E Jacobson	25	1200CST			0	0				Thunderstorm Wind (G50)
Numerous trees were blown down along a three mile stretch of County Highway 200.										
<u>MINNESOTA, Northwest</u>										
Kittson County										
Karlstad	21	0620CST			0	0	5K			Thunderstorm Wind
Trees blown down										
Marshall County										
20 NW Thief River Falls	21	0630CST			0	0				Hail (1.00)
Beltrami County										
Fourtown	21	0900CST			0	0				Hail (0.75)
Wilkin County										
Foxhome	21	1740CST			0	0				Hail (0.75)
Wilkin County										
Breckenridge	21	1742CST			0	0				Hail (1.00)
Wilkin County										
Breckenridge	21	1754CST			0	0				Hail (0.75)
Wilkin County										
3 E Breckenridge to Breckenridge	21	1815CST			0	0				Hail (0.75)
Wilkin County										
Foxhome	21	1840CST			0	0				Hail (0.75)
Otter Tail County										
Fergus Falls	21	1900CST			0	0				Hail (0.75)
Grant County										
2 N Wendell	21	1910CST			0	0				Hail (0.75)
Beltrami County										
Turtle River	21	1945CST			0	0	5K			Thunderstorm Wind
Trees blown down										

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<u>MINNESOTA, Southeast</u>							
Dodge County Hayfield	06	2323CST			0 0	0.20K	Thunderstorm Wind (G52)
							Straight-line winds gusting to 60 mph blew down large trees.
Houston County Brownsville	07	0108CST			0 0	0.30K	Thunderstorm Wind (G52)
							Straight-line winds gusting up to 60 mph blew down large trees along Highway 26.
Olmsted County Rochester	25	2048CST			0 0	0.50K	Thunderstorm Wind (G52)
							A severe thunderstorm with wind gusts to 60 mph downed large trees.
Winona County Winona	25	2112CST			0 0	8K	Thunderstorm Wind (G56)
							Numerous large trees and power lines were blown down from straight-line wind gusts as high as 65 mph.
Winona County Stockton	25	2121CST			0 0		Thunderstorm Wind (G56)
							Straight-line winds gusting to 65 mph.
Winona County Stockton	25	2121CST			0 0		Hail (0.75)
Winona County 6 S Winona	25	2124CST			0 0		Hail (0.75)
Winona County Wilson	25	2146CST			0 0	5K	Thunderstorm Wind (G52)
							Power lines were blown down as straight-line winds gusting to 60 mph.
<u>MINNESOTA, Southwest</u>							
Lincoln County Lake Benton	06	1900CST			0 0	100K	Thunderstorm Wind (G55)
							Thunderstorm winds damaged trees and power lines, and some vehicles were damaged by falling trees.
Lyon County Marshall to Russell	06	1930CST 1940CST			0 0	300K	Thunderstorm Wind (G60)
							Thunderstorm winds caused widespread damage to trees and power lines, causing power outages. Damage to buildings and vehicles occurred from falling trees. Building damage directly from the winds also occurred, including shingles blown from roofs.
Rock County Hardwick	06	2000CST			0 0		Hail (0.75)
Nobles County 2 N Wilmont	06	2030CST			0 0		Hail (0.75)
Pipestone County 7 W Pipestone	10	1545CST			0 0		Hail (0.75)
<u>MINNESOTA, West</u>							
NONE REPORTED.							
<u>MINNESOTA, West Central</u>							
Big Stone County Ortonville	21	1950CST			0 0		Hail (0.75)
Big Stone County Ortonville	21	1950CST			0 0		Thunderstorm Wind (G70)
							Winds to 80 mph in Ortonville downed several trees and power lines and also took the roof off a building.
Big Stone County 10 E Ortonville	21	2000CST			0 0		Thunderstorm Wind (G61)
Big Stone County 10 E Ortonville	21	2000CST			0 0		Hail (0.75)
<u>MISSISSIPPI, Central</u>							
Lincoln County 2 NE Brookhaven	09	1745CST			0 0	1K	Thunderstorm Wind
							Several trees were blown down on roads.
Grenada County Gore Spgs	18	1455CST			0 0	1K	Thunderstorm Wind
							Several trees were blown down.
Lawrence County 6 E Jayess	19	1547CST			0 0		Hail (0.88)
Forrest County Hattiesburg	19	1625CST			0 0		Hail (0.75)
Forrest County Hattiesburg	19	1630CST			0 0	100K	Thunderstorm Wind
							Numerous trees were blown down and many houses had roof damage and windows blown out.

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
<u>MISSISSIPPI, Central</u>									
Warren County Vicksburg	20	1900CST			0	0	3K		Thunderstorm Wind
Several trees and power lines were blown down throughout Vicksburg.									
Neshoba County Philadelphia	26	1833CST			0	0	3K		Thunderstorm Wind
Several power lines were blown down.									
<u>MISSISSIPPI, North</u>									
NONE REPORTED.									
<u>MISSISSIPPI, South</u>									
Harrison County (Bix)Keesler Afb Bil	02	1600CST			0	0	1K		Thunderstorm Wind
An awning was blown off the Air Force Base post office and downed tree limbs damaged a car. Some streets were flooded in Metro Bixoli.									
Harrison County Biloxi	03	1600CST			0	0	50K		Lightning
Lightning damaged the emergency 911 telephone system, started a fire that destroyed a house. A door was blown in when lightning struck a nearby tree.									
Amite County 8 S Gloster to Liberty	12	1525CST 1600CST			0	0	0.80K		Thunderstorm Wind
State Police reported trees downed on Mississippi State Highway 48.									
Amite County Gloster to Liberty	12	1525CST 1600CST			0	0	0.60K		Thunderstorm Wind
State Police reported trees downed on Mississippi State Highway 24.									
Pike County 5 SW Mc Comb	12	1650CST			0	0	0.20K		Thunderstorm Wind
State Police reported downed power lines.									
<u>MISSISSIPPI, Southeast</u>									
NONE REPORTED.									
<u>MISSOURI, East</u>									
Ralls County 3 SW Center	04	1224CST			0	1			Lightning
A man suffered minor injuries while standing near a tree that was struck by lightning.									
Ralls County 6 SW Perry	04	1225CST			0	0			Thunderstorm Wind (G50)
Thunderstorm wind gusts downed trees and power lines along Highways 54 and 154.									
Warren County Treloar	04	1445CST			0	0			Lightning
Lightning hit a substation knocking out power to Treloar, Marthasville and Dutzow.									
Warren County Marthasville	04	1450CST			0	0			Thunderstorm Wind (G50)
Trees and power lines were downed by thunderstorm wind gusts.									
Franklin County Washington	04	1500CST			3	6			Thunderstorm Wind (G52)
A rapidly strengthening thunderstorm produced wind gusts of at least 60 mph across the Washington area, downing some trees and power lines. A pontoon boat on Missouri River was caught by the storm and overturned by the wind gusts. A women and two children on the boat took shelter in a small storage closet to escape the wind and small hail. When the boat overturned, they were trapped in the closet and drowned. Six other people on the boat were thrown into the water and suffered minor injuries. F22BO, F7BO, F3BO									
Franklin County Union	04	1525CST			0	0			Thunderstorm Wind (G52)
Thunderstorm wind gusts downed trees and power lines.									
Franklin County 8 SE St Clair	04	1540CST			1	0			Thunderstorm Wind (G52)
Thunderstorm wind gusts downed trees southeast of St. Clair. A woman was killed when struck in the head by a large tree branch. F29OU									
Scotland County Gorin	07	1536CST			0	0			Thunderstorm Wind (G50)
Thunderstorm wind gusts downed power lines in the Gorin area.									

Storm Data and Unusual Weather Phenomena

August 1996

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

Knox County Edina

07 1545CST **0 0** **Thunderstorm Wind (G50)**
Thunderstorm wind gusts downed trees and powerlines on the west side of Edina.

Shelby County Shelbyville

07 1625CST **0 0 5K** **Lightning**
Lightning struck the roof of a garage causing a small fire. Appliances in the attached home were also damaged.

St. Charles County Portage Des Sioux

15 2000CST **0 0** **Thunderstorm Wind (G50)**
Thunderstorm wind gusts downed trees and powerlines. A few windows were also broken by flying debris.

Audrain County Mexico

16 1625CST **0 0** **Hail (1.00)**
Skywarn spotters reported 1 inch hail.

St. Louis County Countywide

**23 1715CST
1830CST** **1 0 65K** **Flash Flood**
Rainfall of 2 to 4 inches in 2 hours caused widespread flash flooding. Numerous roads across the county were closed. A man was killed when his car was swept of a road by a flooded creek. M62VE

MISSOURI, Lower

NONE REPORTED.

MISSOURI, Northwest

MOZ020

Buchanan

06 0000CST **0 0** **Flood**
11 2359CST
Missouri River
St. Joseph, MO

Flood Stage 17 ft
Above Flood Stage 8/6 to 8/11
Crest 20.1 ft on 8/9

Jackson County Grandview to Kansas City

06 1056CST **0 3 150K** **Thunderstorm Wind (G52)**
1135CST

A small cluster of thunderstorms produce several microbursts over Western Jackson County.

Winds gusted to 51 MPH at Richards-Gebaur airport knocking down several trees and tree branches 2 to 6 inches in diameter. A small 8 by 14 foot billboard was also blown down along 150 Highway near the airport.

Large trees were downed by the thunderstorm winds near the intersection of 131st Street and State Line Road and also near State Line and Cambridge Roads. Numerous cars were damaged by falling trees along 47th Street between the Country Club Plaza and Troost Road.

The greatest damage occurred near 48th and Walnut Streets in Kansas City when winds, estimated between 70 and 80 MPH, blew off part of the roof from the Country Club Plaza Library. A car traveling along Ward Parkway near the Library was hit by debris from the blown off roof and forced off the roadway. The car went down an embankment with the back end of the car landing in Brush Creek. The driver and two passengers escaped with minor injuries.

MOZ038

Lafayette

08 0000CST **0 0** **Flood**
11 2359CST
Missouri River
Napoleon, MO

Flood Stage 17 ft
Above Flood Stage 8/8 to 8/11
Crest 17.63 ft on 8/9

MOZ039

Saline

08 0000CST **0 0** **Flood**
12 2359CST
Missouri River
Miami, MO

Flood Stage 18 ft
Above Flood Stage 8/8 to 8/12

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm	
MISSOURI, Northwest										
	Crest	Estimated 19.3 ft on 8/10								
MOZ038	Lafayette									
	09	0000CST			0	0			Flood	
	11	2359CST								
	Missouri River Waverly, MO									
	Flood Stage	20 ft								
	Above Flood Stage	8/9 to 8/11								
	Crest	Estimated 20.5 ft on 8/10								
MOZ020	Buchanan									
	16	0000CST			0	0			Flood	
	17	2359CST								
	Missouri River St. Joseph, MO									
	Flood Stage	17 ft								
	Above Flood Stage	8/16 to 8/17								
	Crest	18.52 ft on 8/17								
MOZ001	Atchison									
	19	0000CST			0	0			Flood	
	20	2359CST								
	Tarkio River Fairfax, MO									
	Flood Stage	17 ft								
	Above Flood Stage	8/19 to 8/20								
	Crest	20.1 ft on 8/20								
Atchison County Westboro	19	1516CST			0	0			Hail (0.75)	
	Sheriff's office reported dime-size hail at Westboro.									
Atchison County Rockport	19	1620CST			0	0			Hail (0.75)	
	Dime-size hail was reported in a severe thunderstorm at Rockport.									
Atchison County Rockport to Tarkio	19	1730CST			0	0			Flash Flood	
		1930CST								
	Sheriff's office reported water over Highway 111 and several county roads from flash flooding in the Rockport area. Several creeks were reported at or slightly above bankful near Tarkio.									
MOZ020	Buchanan									
	20	0000CST			0	0			Flood	
	21	2359CST								
	Missouri River St. Joseph, MO									
	Flood Stage	17 ft								
	Above Flood Stage	8/20 to 8/21								
	Crest	18.35 ft on 8/20								
Jackson County Kansas City	22	1645CST			0	0			Flash Flood	
		2000CST								
	Several motorists had to be rescued from their vehicles due to flooding along I-70 between Broadway and Main Street. Two inches of rain fell in less than an hour.									
Adair County Adair	22	2100CST			0	0			Urban/Sml Stream Fld	
		2300CST								
	Heavy rains caused flooding along Highway 11 in Adair.									

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>MISSOURI, Northwest</u>									
Jackson County Raytown	26	1945CST 2200CST			0	0			Urban/Sml Stream Fld
Raytown Police Department reported highwater along Route 50 and at the intersection of Route 350 and 75th Street.									
<u>MISSOURI, Southeast</u>									
MOZ086>087-100-107>112-114	Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott - Mississippi - New Madrid								
	15 31	0200CST 2300CST			0	0			Drought
Only 0.11 inches of rain fell at Paducah, KY during the month. This was the driest August on record, and the second driest month. The drought severity index showed extreme drought over parts of southeast Missouri the last week of August. River levels dropped below normal, but no serious navigation problems were reported along the Mississippi River.									
<u>MISSOURI, Southwest</u>									
Howell County Moody	02	1622CST			0	0			Hail (1.00)
Barton County Mindenmines	07	2005CST			0	0			Thunderstorm Wind (G55)
Thunderstorm winds downed large trees.									
Barry County Seligman	07	2116CST			0	0			Thunderstorm Wind (G57)
Nickel size hail was also reported.									
Barry County Cassville	07	2223CST			0	0			Flash Flood
Thunderstorms dumped 1.50 inches of rain in one hour in the the town of Cassville. Flat Creek flooded sending water over Highway 248.									
Barry County 6 N Cassville	07	2258CST			0	0	0	0	Flash Flood
Thunderstorms dumped 1.50 inches of rain in one hour flooding a section of Highway 37, 6 miles north of Cassville.									
Jasper County 4 N Carl Junction	17	1815CST			0	0	0	0	Flash Flood
2 inches of rain fell in a one hour period across the northwest sections of Jasper county. Flooding was reported on State Highway 171 north of Carl Junction.									
Greene County Fair Grove	18	1620CST			0	0			Thunderstorm Wind (G52)
Miller County 5 S Iberia	18	1640CST			0	0			Hail (0.75)
Barry County Eagle Rock	22	1430CST			0	0	100K	0	Thunderstorm Wind (G70)
A small microburst hit the Eagle Rock Marina located on the western end of Table Rock Lake. 5 boats and one dock were heavily damaged.									
Laclede County Lebanon	22	1645CST			0	0	5K	0	Flash Flood
2.50 inches of rain fell in one hour causing flooding of city streets.									
Mcdonald County 5 N Southwest City	22	1715CST			0	0	0	0	Flash Flood
Up to 3 inches of rain in one hour caused flooding along Highways 43 and 90 north of Southwest City.									
<u>MONTANA, Central</u>									
Fergus County Hilger	02	0400MST			0	0			Thunderstorm Wind (G50)
Strong winds in Hilger caused an old grain elevator to be partially blown away and broke a window on a house. The wind speed was									

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>MONTANA, Central</u>									
	estimated.								
Hill County 9 W Box Elder	02	1900MST			0	0			Funnel Cloud
Meagher County 23 N White Sulphur Spgs	12 13	1100MST 1100MS T			0	0			Wild/Forest Fire
Sparks from a logging operation in the Little Belt mountains started a forest fire. Very dry conditions and strong winds caused the fire to expand quickly. By noon the next day, 2600 acres had been burned. \$250,000 worth of logging equipment was destroyed when the fire initially blew up. The fire continued to burn for several days, but lighter winds and fire-fighting efforts kept the fire from spreading any further. The town of Neihart was threatened, but suffered no damage.									
<u>MONTANA, East</u>									
McCone County 30 W Circle	02	1312MST			0	0			Thunderstorm Wind (G63)
McCone County Brockway	02	1349MST			0	0			Hail (0.75)
Richland County Sidney	02	1500MST 1510MS T			0	0	20K		Thunderstorm Wind
A Thunderstorm packing strong winds hit the Richland County Fair in Sidney. The wind moved the Moonwalk ride. Tents and game booths were blown down.									
<u>MONTANA, South</u>									
NONE REPORTED.									
<u>MONTANA, West</u>									
Granite County Maxville	01	1510MST			0	0			Hail (0.75)
3/4 inch hail at maxville									
Sanders County Paradise	01	1900MST			0	0			Thunderstorm Wind (G60)
Wind split a rotted Cottonwood tree with a 6 foot diameter trunk. It fell on a house in Paradise.									
Ravalli County Florence	01	1910MST			0	0			Hail (0.75)
3/4 inch hail at florence									
Missoula County 5 SE Missoula	01	1920MST			0	0			Hail (1.00)
one inch sized hail near missoula									
Ravalli County Darby	01	1935MST			0	0			Hail (0.75)
3/4 inch hail at darby									
Silver Bow County 5 W Butte	28	1350MST			0	0			Hail (0.75)
3/4 inch hail near butte									
<u>NEBRASKA, Central</u>									
Hooker County 13 SW Mullen	01	1352MST			0	0			Hail (0.88)
Thomas County 17 SSE Seneca	01	1550CST			0	0			Hail (0.88)
Mcpherson County 12 NW Tryon	01	1558CST			0	0			Hail (0.75)
Mcpherson County 14 W Tryon	01	1600CST			0	0			Hail (1.00)
Cherry County 13 NW Brownlee	01	1615CST			0	0			Hail (0.75)
Cherry County 6 N Seneca	01	1630MST			0	0			Hail (1.50)

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
NEBRASKA, Central									
Keith County 2 N Sarben	01	1650MST			0	0			Hail (0.75)
NUMEROUS LARGE TREE LIMBS BLOWN DOWN									
Hooker County 5 E Mullen	01	1700MST			0	0			Hail (1.75)
Mcperson County 26 NNW Sutherland	01	1715CST			0	0			Hail (1.00)
Arthur County 22 NNW Paxton	01	1730MST			0	0			Hail (0.88)
Thomas County 7 SE Seneca	01	1740CST			0	0			Hail (1.00)
Lincoln County 10 NNW Sutherland to 10 NW Sutherland	01	1745CST			0	0			Hail (1.75)
Lincoln County 9 SSW Sutherland	01	1815CST			0	0			Hail (0.75)
Mcperson County 30 N Paxton	01	1830CST			0	0			Hail (1.75)
Keith County 7 E Keystone	01	1830MST			0	0			Hail (0.75)
Logan County 12 ESE Stapleton	02	1017CST			0	0			Hail (0.88)
Custer County 6 W Callaway	02	1040CST			0	0			Hail (0.75)
Custer County 4 NW Oconto	02	1125CST			0	0			Hail (1.00)
Sheridan County 4 W Lakeside	02	2003MST			0	0			Hail (0.88)
Lincoln County 1 E North Platte	03	0150CST			0	0			Hail (1.25)
Sheridan County 4 NE Hay Spgs	03	1550MST			0	0	5K		Thunderstorm Wind
SEVERAL LARGE TREE LIMBS BLOWN DOWN.									
Sheridan County 6 N Antioch	03	1713MST			0	0			Hail (1.75)
Sheridan County 5 SW Hay Spgs	03	1920MST			0	0			Hail (1.00)
Cherry County 5 W Valentine	03	1922CST			0	0	10K		Thunderstorm Wind
FEED BUNKS BLOWN OVER. WINDOWS BLOWN OUT OF HOUSE.									
Sheridan County 4 NE Hay Spgs	03	2002MST			0	0			Hail (1.00)
Sheridan County Hay Spgs	03	2033MST			0	0			Hail (0.75)
Sheridan County Hay Spgs	03	2110MST			0	0			Hail (1.00)
Sheridan County Rushville	03 04	2200MST 0000MS T			0	0	500K		Flash Flood
RUSH CREEK BRIDGE WASHED OUT 3 MILES SOUTH OF RUSHVILLE. FIVE FEET OF WATER IN BASEMENT 6 MILES NORTH OF RUSHVILLE. RAINFALL OF 5 TO 6 INCHES IN AND AROUND RUSHVILLE.									
Cherry County 20 W Merriman	03	2205MST			0	0	25K		Hail (0.88)
POWER LINES BLOWN DOWN.									
Sheridan County 31 SSW Gordon	03	2230MST			0	0			Hail (0.75)
Grant County Hyannis	03	2335MST			0	0			Hail (0.75)
Grant County 4 NE Whitman	03	2350MST			0	0			Hail (0.75)
Cherry County 4 NE Merriman	03	2350MST			0	0	10K		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Crops	Character of Storm	
NEBRASKA, Central										
SEVERAL LARGE TREE LIMBS BLOWN DOWN.										
Hooker County Mullen	04	0030MST			0	0			Thunderstorm Wind (G52)	
Cherry County 17 N Thedford	04	0200CST			0	0			Hail (0.75)	
Thomas County Thedford	04	0215CST			0	0			Hail (0.75)	
Brown County 15 S Ainsworth	04	0300CST			0	0	10K		Thunderstorm Wind	
ONE FOOT DIAMETER TREE BLOWN DOWN.										
Rock County 4 SW Rose	04	0310CST			0	0	5K		Thunderstorm Wind	
SEVERAL LARGE TREE LIMBS BLOWN DOWN.										
Garden County 23 NNE Oshkosh	04	1631MST			0	0			Hail (1.50)	
Arthur County 15 NW Arthur	04	1700MST			0	0			Hail (1.00)	
Arthur County 13 NW Arthur	04	1708MST			0	0			Hail (0.88)	
SEVERAL 10 TO 12 INCH TREE LIMBS BLOWN DOWN.										
Grant County 18 S Whitman	04	1720MST			0	0			Hail (0.88)	
Hooker County 13 W Mullen	04	1745MST			0	0			Hail (0.75)	
Grant County 20 S Whitman	04	1745MST			0	0			Hail (0.75)	
Cherry County 20 N Thedford	04	1900CST			0	0			Hail (0.88)	
Thomas County 2 SE Thedford	04	1915CST			0	0			Hail (1.50)	
Cherry County 24 SW Wood Lake	04	1925CST			0	1			Lightning	
LADY STANDING NEXT TO WINDOW IN HOUSE DAZED BY LIGHTNING STRIKE.										
Chase County 12 S Imperial	04	2015MST			0	0			Hail (0.88)	
Lincoln County North Platte	04	2030CST			0	0	50K		Thunderstorm Wind	
MANY LARGE TREE LIMBS BLOWN DOWN.										
Rock County Bassett	04	2035CST			0	0			Hail (1.75)	
Holt County 10 N Atkinson	04	2130CST			0	0			Hail (1.75)	
Custer County 4 W Callaway	04	2135CST			0	0			Hail (1.00)	
Custer County 6 W Broken Bow	04	2205CST			0	0			Hail (1.75)	
Custer County 2 W Broken Bow	04	2215CST			0	0	50K		Thunderstorm Wind	
THUNDERSTORM DOWNBURST WINDS DOWNED POWER LINES AND TREES. DESTROYED SMALL BUILDING AND RADIO TOWER.										
Custer County 5 NE Anselmo	06	1655CST			0	0			Hail (0.75)	
Blaine County 6 E Brewster	06	1700CST			0	0			Hail (0.75)	
Loup County 15 W Taylor	06	1715CST			0	0			Hail (0.75)	
Custer County 3 E Merna	06	1730CST			0	0			Hail (1.75)	
Custer County 7 NE Callaway	06	1750CST			0	0			Hail (1.00)	
Custer County Sargent	06	1800CST			0	0			Hail (0.75)	

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
Killed									
Injured									
Property									
Crops									
Character of Storm									
NEBRASKA, Central									
Custer County 8 NW Sargent	06	1810CST			0	0			Hail (0.75)
Custer County Oconto	06	1845CST			0	0			Hail (1.50)
Wheeler County Bartlett	06	1857CST			0	0	25K		Thunderstorm Wind
POWER LINES DOWN. THREE FOOT DIAMETER TREES BLOWN OVER.									
Sheridan County 11 S Hay Spgs	09	1910MST			0	0			Hail (0.88)
Holt County 3 NW Amelia	10	1430CST			0	0			Hail (1.00)
Holt County 3 NW Chambers	10	1500CST			0	0			Hail (1.50)
Holt County 9 W Chambers	10	1510CST			0	0			Hail (1.75)
Wheeler County 20 NW Bartlett	10	1520CST			0	0			Hail (0.75)
Garfield County 20 NNE Burwell	10	1540CST			0	0			Hail (0.88)
Garfield County 2 NE Burwell	10	1552CST			0	0			Hail (1.00)
Garfield County 11 E Burwell	10	1620CST			0	0			Hail (0.75)
Garfield County Burwell	10	1624CST			0	0			Hail (1.75)
Loup County 5 NW Burwell	10	1625CST			0	0			Hail (0.88)
Garfield County 3 E Burwell	10	1648CST			0	0			Hail (1.75)
Custer County Oconto	10	1710CST			0	0			Hail (2.75)
Custer County 6 SE Oconto	10	1745CST			0	0			Hail (1.00)
Frontier County Eustis	10	1854CST			0	0			Hail (1.75)
Frontier County 13 SE Stockville	10	1930CST			0	0			Hail (1.00)
Keith County 4 SW Ogallala	14	1140MST			0	0			Hail (0.75)
Keith County 2 E Brule	14	1150MST			0	0			Hail (1.00)
Perkins County 2 E Grant	14	1245MST			0	0			Hail (0.75)
Chase County 15 NE Imperial	14	1250MST			0	0			Hail (1.75)
Perkins County 10 SE Elsie	14	1300MST			0	0			Hail (0.75)
Hayes County Hamlet	14	1450CST			0	0			Hail (0.75)
Sheridan County 5 E Antioch	15	0620MST			0	0			Hail (0.75)
Garden County 25 N Oshkosh	15	0700MST			0	0			Hail (0.75)
Sheridan County 1 N Rushville	15	1525MST			0	0			Hail (1.75)
Sheridan County 1 N Sheridan	15	1525MST 1625MS T			0	0	50K		Flash Flood
ROAD WASHED OUT 1 MILE NORTH OF RUSHVILLE.									
Garden County 6 S Bingham	15	1620MST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
NEBRASKA, Central									
Sheridan County 5 SE Ellsworth	15	1700MST			0	0	1K		Thunderstorm Wind
	LARGE TREE LIMBS BLOWN DOWN.								
Garden County 15 N Lisco	15	1715MST			0	0			Hail (0.75)
	LARGE TREE LIMBS BLOWN DOWN.								
Sheridan County 11 N Lakeside	15	1725MST			0	0			Hail (0.75)
Grant County 20 S Ashby	15	1800MST			0	0			Hail (0.75)
Sheridan County 2 SW Hay Spgs	18	1730MST			0	0			Hail (0.75)
Lincoln County 9 SE Brady	19	0000CST			0	0			Hail (0.75)
Hayes County 14 E Hayes Center	21	2020CST			0	0			Hail (0.88)
Lincoln County 12 S Maxwell	21	2025CST			0	0			Hail (0.88)
Custer County 9 W Oconto	21	2130CST			0	0			Hail (0.88)
NEBRASKA, East									
Antelope County Clearwater	03	0600CST			0	0	5K		Lightning
	Lightning struck a church in Clearwater.								
Knox County 9 W Crofton	03	0610CST			0	0			Hail (0.75)
Madison County Norfolk	04	1500CST			0	1			Lightning
	A man was injured when lightning struck a tree he was standing by.								
Madison County Norfolk	04	1500CST			0	1			Lightning
	Lightning struck a man who was broadcasting from a car show. The man was sitting at a metal table with a 12-foot antenna next to him. The man was taken to a local hospital and released.								
Stanton County 13 SE Stanton	04	1717CST			0	0	90K		Thunderstorm Wind (G61)
	Thunderstorm winds destroyed 2 hog confinement barns. Debris was scattered over a mile in length.								
Cuming County Wisner	04	1730CST			0	0			Thunderstorm Wind (G52)
	Thunderstorm winds blew trees down.								
Dodge County Winslow	04	1843CST			0	0			Thunderstorm Wind (G52)
	Gusts to 60 mph were reported at Winslow and Hooper in Dodge County.								
NEZ043	Colfax	04 1900CST			0	0	500K	500K	Flood
	05	1900CST							
	Heavy rains fell in Colfax County, filling streets and resulting in damage to crops and roads. Nearly 8 inches of rain was reported at Schuyler. Thunderstorms redeveloping over the same area and abundant tropical moisture produced the heavy rains.								
Platte County 11 NW Columbus	04	1920CST			0	0			Hail (1.75)
Platte County Columbus	04	1930CST			0	0	10K		Thunderstorm Wind (G78)
	Thunderstorm winds knocked 14 empty Union Pacific Railroad coal cars off the tracks just east of Columbus.								
Dodge County 4 NW Nickerson	04	2000CST			0	0			Thunderstorm Wind (G62)
	Thunderstorm winds uprooted trees.								
Butler County David City	04	2015CST			0	0	5K		Thunderstorm Wind (G70)
	Thunderstorm winds lifted a hog shed off its foundation.								
NEZ033	Cuming	04 2200CST			0	0	250K	500K	Flood
	05	1800CST							
	Seven inches of rain at Wisner and west of West Point resulted in water over the roads at Wisner and Beemer. Highway 275 was								

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
NEBRASKA, East									
	closed at Crowell.								
Stanton County 5 NE Creston NEZ017	04	2200CST			0	0			Hail (0.75)
	Pierce								
	04	2200CST			0	0	100K	250K	Flood
	05	1800CST							
	Nearly five inches of rain fell in Pierce filling fields and washing out county roads. Several creeks and rivers flooded.								
NEZ044	Dodge								
	04	2200CST			0	0	1.7M	5.3M	Flood
	05	1800CST							
	Heavy rains dropped 4 to 9 inches of rain in east central Nebraska, causing record flooding to the Pebble and Maple Creeks. Dodge reported a little more than 6 inches of rain. Extensive damage was done to the homes and businesses in Nickerson and Winslow. Major flooding occurred in Winslow, where all 40 homes and businesses reported flooding. 150 residents were evacuated. County-wide, it was estimated that 100 homes were affected. Numerous roads were closed with damage to roads and bridges around \$500,000. The cities of Nickerson and Winslow reported damage of \$170,000. Damage to 50,000 acres of crops was estimated at \$2.25 million for corn and \$3 million for soybeans.								
Cuming County Bancroft	04	2245CST			0	0			Thunderstorm Wind (G52)
	Thunderstorm winds took large tree limbs down.								
Antelope County 2 NW Elgin	06	1900CST			1	0			Thunderstorm Wind (G52)
	Thunderstorm winds blew a large cottonwood tree on a pickup 2 miles west and 21/2 miles north of Elgin. The driver was pronounced dead at the scene. M63VE								
Knox County Verdigre Boone County Petersburg	06	1910CST			0	0			Hail (0.75)
	06	1930CST			0	0	2K		Thunderstorm Wind (G52)
	Thunderstorms winds downed power lines.								
Pierce County Plainview	06	1948CST			0	0	2K		Thunderstorm Wind (G52)
	Thunderstorm winds downed power lines.								
Madison County Norfolk	06	2010CST			0	0	2K		Thunderstorm Wind (G52)
	Thunderstorm winds downed power lines.								
Cuming County West Pt	06	2056CST			0	0			Thunderstorm Wind (G56)
	Thunderstorm winds blew several trees down. There were also downed power lines and windows blown out.								
Dodge County Hooper	06	2100CST			0	0			Thunderstorm Wind (G56)
	Thunderstorm winds resulted in widespread trees and limbs down.								
Thurston County Macy	06	2100CST			0	0	10K		Thunderstorm Wind (G61)
	Thunderstorm winds blew trees onto a house.								
Colfax County Clarkson	06	2100CST			0	0			Thunderstorm Wind (G52)
	Thunderstorm winds blew large tree limbs down.								
Burt County Decatur	06	2105CST			0	0			Thunderstorm Wind (G52)
	Thunderstorm winds downed large tree limbs.								
Dodge County Hooper	06	2145CST			0	0			Thunderstorm Wind (G52)
	Thunderstorm winds downed trees and limbs.								
Knox County Verdel	11	1800CST			0	0	0.50K		Lightning
	Lightning struck a home in Verdel and did damage to the underground telephone lines.								
Lancaster County Lincoln	14	1630CST			0	0	20K		Thunderstorm Wind (G70)
	Thunderstorm winds of 80 mph snapped off both gates of a railroad crossing, damaged fences, and damaged a couple of businesses.								
Lancaster County Lincoln	14	1700CST 2300CST			0	0	60K		Flash Flood
	Locally 4 inches of rain fell, producing flooding at local businesses and homes.								
Cuming County Beemer	14	1700CST			0	0	0.50K		Lightning
	Lightning struck a house in Beemer, burning a hole in the roof.								

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>NEBRASKA, East</u>									
Lancaster County Emerald	26	1850CST			0	0			Hail (0.52)
Thunderstorm winds downed several large tree limbs.									
<u>NEBRASKA, Extreme Northeast</u>									
Dixon County Ponca	06	2040CST			0	0			Thunderstorm Wind (G52)
<u>NEBRASKA, Extreme Southwest</u>									
Hitchcock County 4 W Stratton	02	1700CST 1710CST			0	0			Hail (1.75)
GOLFBALL HAIL LASTED 10 MINUTES.									
Dundy County 3 W Parks to 2.5 W Parks	04	1955MST 1958MS T	0.5	20	0	0			Tornado (F1)
TORNADO MOVED GARAGE THREE FEET, BLEW DOWN TREES, AND UPSET FUEL TANK.									
Dundy County Benkelman	04	2005MST			0	0			Thunderstorm Wind (G61)
WINDS BROKE WINDOWS, BENT STREET SIGNS, AND KNOCKED DOWN POWER POLES AND TREE BRANCHES.									
Dundy County 18 N Benkelman	04	2020MST			0	0			Hail (1.00)
HAIL WAS ACCOMPANIED BY 50-60 MPH WINDS.									
Hitchcock County Culbertson	06	2050CST			0	0			Hail (0.75)
Red Willow County 2 N Indianola to 3.5 S Indianola	10	1925CST 1938CST	6	300	0	0	750K		Tornado (F2)
TORNADO MOVED SOUTH SOUTHWEST AT 30 MPH THROUGH THE WEST PORTION OF INDIANOLA. DAMAGE INCLUDED NUMEROUS TREES UPROOTED, A GARAGE DESTROYED, SECTIONS OF ROOFS BLOWN OFF, CAMPERS FLIPPED, AND WINDOWS, TV ANTENNAES, GRAIN BINS, GUTTERS, AND SHINGLES DAMAGED. AT TWO MILES SOUTHWEST OF INDIANOLA, TORNADO CURVED SOUTHEAST BEFORE DISSIPATING. A POWER FAILURE PREVENTED SIRENS FROM BEING ACTIVATED IN INDIANOLA.									
Red Willow County 2 NNE Indianola to 1.8 NNE Indianola	10	1925CST	0.2	50	0	0			Tornado (F0)
BRIEF TORNADO OBSERVED BY SPOTTER OVER OPEN COUNTRY MOVING SOUTH.									
Red Willow County Indianola	10	1930CST	0.3	100	0	0			Tornado (F1)
BRIEF TORNADO DAMAGED BUILDINGS IN THE CENTER AND EAST PORTION OF TOWN.									
Red Willow County Indianola	10	1945CST			0	0			Hail (1.75)
<u>NEBRASKA, South Central</u>									
Harlan County 3 N Stamford	02	1445CST 1500CST			0	0	10K	250K	Thunderstorm Wind (G65)
Harlan County 1 N Orleans	02	1455CST 1510CST			0	0	10K	250K	Hail (0.75)
Harlan County Orleans	02	1500CST 1515CST			0	0	230K	3.5M	Thunderstorm Wind (G80)
Phelps County Holdrege	02	1550CST			0	0	10K	75K	Hail (1.00)
A large severe thunderstorm moved south across a portion of south central Nebraska. The hardest hit area was in Harlan county with significant property damage and devastating crop damage. Hail to the size of golfballs and winds of 70 to 90 mph were reported. Over 80,000 acres of land were damaged in a 6 mile wide corridor from north of Orleans to the Kansas border. Rainfall in excess of five inches in 40 minutes caused significant erosion and washed out several county roads. In Orleans, a basement wall caved in due to the heavy rain. At least 3 grain bins were destroyed and a mobile home was moved 30 feet by the high winds. Rural farmsteads reported downed power lines, extensive tree damage and broken windows.									
Furnas County Beaver City	04	1500CST			0	0	3K	0	Lightning
Lightning struck near a home in Beaver City resulting in several home appliances being damaged.									

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Injured	Property	Crops	Character of Storm
<u>NEBRASKA, South Central</u>									
Merrick County Central City	04	1700CST			0	0	12K	0	Lightning
Lightning struck near a radio station in Central City. Some electrical equipment, including 6 computers, was damaged.									
Hall County 12 SW Grand Is	04	1900CST 1902CST	0.1	20	0	0	0	30K	Tornado (F0)
A severe thunderstorm moved northeast across southern and eastern Hall county producing a brief tornado touchdown southwest of Grand Island. Funnel clouds were also observed just south and east of the city of Grand Island.									
Valley County Ord	06	1830CST			0	0	30K	75K	Thunderstorm Wind (G65)
Severe thunderstorms uprooted trees and downed power lines throughout the city. One large tree limb fell into the bedroom of a house.									
Dawson County Overton	06	1920CST			0	0	8K	10K	Thunderstorm Wind (G55)
Strong winds from a severe thunderstorms pushed two mobile homes a couple of feet off of the foundation.									
Valley County North Loup	10	1800CST			0	0	0	75K	Hail (0.75)
Dawson County Gothenburg	10	1807CST 1810CST			0	0	500K	150K	Hail (4.50)
A large supercell thunderstorm moved slowly south across western Dawson county during the evening. Hail reports to the size of softballs were common around Gothenburg. Siginificant damage was incurred by automobiles and homes. The large hail broke windows, punctured roofs and damaged siding. Downburst winds destroyed a small building east of Gothenburg and blew out the back window of a vehicle on Interstate 80 southeast of town.									
Sherman County 4 NE Loup City	10	1820CST 1830CST			0	0	50K	200K	Thunderstorm Wind (G70)
A severe thunderstorm ripped across central and eastern Sherman county packing winds of 80 mph. The high winds tore off a portion of a roof from a cabin near Sherman Reservoir. Significant tree damage was reported in and near Loup City. Funnel clouds were sighted near Rockville and the wind teamed with some hail to damage crops in eastern Sherman county.									
Gosper County 5 W Elwood	10	1900CST			0	0	0	5K	Hail (0.75)
Buffalo County 3 N Pleasanton	10	1915CST			0	0	10K	150K	Hail (0.75)
Severe thunderstorms moved south into northern Buffalo county producing large hail and damaging winds. The vinyl siding on a farmhouse was damaged north of Pleasanton. Crop damage was also noted around Pleasanton.									
Adams County Hastings	14	0815CST			0	0	8K	0	Lightning
Lightning from morning thunderstorms struck some power poles in Hastings and downed a few lines.									
Nuckolls County Nelson	22	0324CST			0	0	100K	0	Lightning
Lightning struck a steakhouse and bar in downtown Nelson. The resulting fire destroyed the business and all its contents.									
Furnas County Southern Furnas Co.	22	0738CST			0	0	0	15K	Urban/Sml Stream Fld
Heavy rains upstream on the Sappa and Beaver Creeks resulting in some flooding of agricultural areas adjacent to the creek.									
Hamilton County 8 NE Stockham	26	1300CST			0	0	2K	20K	Hail (1.75)
<u>NEBRASKA, West</u>									
Dawes County 20 N Crawford to 12 N Crawford	02	1722MST 1730MS T			0	0	400K		Lightning
Lightning started 2 fires north of Crwaford. One fire burned 125 acres and the other burned 20 acres as well as 112 hay bales. Both fires were grass fires.									

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
NEBRASKA, West									
Box Butte County 18 N Alliance	02	1856MST 1900MS T	10	50	0	0			Tornado (F0)
Morrill County 10 SE Bridgeport	02	1910MST 1912MS T	50	50	0	0			Tornado (F0)
Box Butte County Alliance	02	1925MST 1950MS T			0	0			Funnel Cloud
Several funnel clouds were sighted near Alliance.									
Box Butte County 7 E Alliance	02	1949MST 1955MS T			0	0			Hail (1.00)
Kimball County 10 N Bushnell	02	2250MST 2255MS T			0	0			Thunderstorm Wind (G52)
Box Butte County 6 NE Alliance	03	1610MST 1615MS T			0	0		10K	Hail (1.75)
Kimball County 12 NW Kimball	09	1730MST 1735MS T			0	0			Thunderstorm Wind (G53)
Banner County 4 NE Harrisburg	09	1830MST 1835MS T			0	0			Thunderstorm Wind (G52)
Dawes County Chadron	14	0130MST			0	0	50K		Lightning
Lightning struck a computer which controls the water flow in the city of Chadron. Valves controlling water flow had to be manually opened and closed. Residents in Chadron had to curtail water use.									
Morrill County Bridgeport	14	1700MST 1715MS T			0	0	25K		Thunderstorm Wind
Strong thunderstorm winds downed trees in Bridgeport. Some trees fell on vehicles, causing damage.									
Banner County 12 W Harrisburg	14	1746MST 1751MS T			0	0	1K		Hail (1.75)
Scotts Bluff County 6 SE Scottsbluff	14	1902MST 1908MS T			0	0	10K	10K	Hail (1.75)
Scotts Bluff County 7 SE Gering	14	1906MST 1912MS T			0	0	20K	10K	Hail (2.75)
Dawes County Chadron	15	1455MST 1459MS T			0	0			Thunderstorm Wind (G54)
Box Butte County Hemingford	15	1503MST 1506MS T			0	0	0.10K		Thunderstorm Wind
Strong thunderstorm winds blew over a tree on the west side of Hemingford.									

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm	
NEBRASKA, West										
Box Butte County Berea	15	1530MST 1543MS T			0	0	1K		Hail (1.75)	
Kimball County Dix	15	1544MST 1552MS T			0	0	20K	10K	Hail (1.75)	
Banner County 15 W Harrisburg	28	1640MST 1646MS T			0	0			Hail (1.50)	
Banner County 12 SW Harrisburg	28	1640MST 1647MS T			0	0			Hail (1.75)	
Banner County 10 NW Harrisburg	28	1744MST 1753MS T			0	0	10K		Hail (1.75)	
Scotts Bluff County Scottsbluff	28	1753MST 1825MS T			0	0	200K	50K	Hail (1.75)	
Large hail broke windows in the area.										
Scotts Bluff County 3 W Minatare	28	1827MST 1835MS T			0	0	4K		Thunderstorm Wind	
Thunderstorm winds blew down trees three miles west of Minatare.										
Cheyenne County Sidney	29	1621MST 2030MS T			0	0	50K	30K	Flash Flood	
Very heavy rainfall from thunderstorms caused flooding in and around the Sidney area. Many roads were under water and the city of Sidney was closed to all traffic for a time between 600PM and 1000PM. Estimates of around 5 inches of rain were reported. Many basements were flooded.										
Cheyenne County Sidney	29	1705MST 1720MS T			0	0	5K		Hail (0.75)	
Three quarter inch diameter hail was piled to a depth of 5 inches in Sidney.										
NEVADA, North										
Humboldt County Winnemucca Airport	12	1826PST 1830PST			0	0			Thunderstorm Wind (G50)	
WINDS ASSOCIATED WITH A SEVERE THUNDERSTORM MOVED OVER THE WINNEMUCCA AIRPORT AND PRODUCED WIDESPREAD BLOWING DUST.										
Elko County Spring Creek	14	1318PST 1319PST			0	0			Thunderstorm Wind (G58)	
WIND ASSOCAIATED WITH A SEVERE THUNDERSTORM PRODUCED NEAR ZERO VISIBILITY IN BLOWING DUST AND SAND.										
Elko County Spring Creek	14	1320PST 1322PST			0	0			Thunderstorm Wind (G50)	
WINDS ASSOCIATED WITH SEVERE THUNDERSTORM PRODUCED NEAR ZERO VISIBILITY IN BLOWING DUST, SAND, AND SMALL ROCKS.										
Humboldt County Winnemucca	26	1715PST 1716PST			0	0			Thunderstorm Wind (G51)	
WINDS ASSOCIATED WITH A SEVERE THUNDERSTORM CAUSED REDUCED VISIBILITY ALONG INTERSTATE 80										

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Estimated Damage	Property	Crops	Character of Storm
<u>NEVADA, North</u>									
Humboldt County Winnemucca	EAST OF WINNEMUCCA.								
	26	1715PST 1720PST			0	0			Flash Flood
HEAVY RAINS PRODUCED BY A SEVERE THUNDERSTORM CAUSED FLOODING OF INTERSTATE 80 EAST OF WINNEMUCCA AND A TRAFFIC ACCIDENT.									
<u>NEVADA, South</u>									
Clark County Cal-Nev-Ari	11	1540PST			0	0			Thunderstorm Wind (G52)
A thunderstorm wind gust estimated at 60 mph toppled a mature peach tree.									
Clark County 30 NW Las Vegas	16	1135PST			0	0			Hail (1.75)
The Nevada Division of Forestry reported golf ball size hail at Kyle Canyon in the Spring Mountains.									
Clark County Henderson	16	1410PST			0	0			Thunderstorm Wind (G52)
A weather spotter estimated thunderstorm winds at 60 mph in the Green Valley area of Henderson. No damage was reported.									
Clark County 18 E Las Vegas	16	1443PST			0	0			Hail (1.75)
Golf ball size hail fell at Boulder Beach in the Lake Mead National Recreation Area.									
<u>NEVADA, West</u>									
NONE REPORTED.									
<u>NEW HAMPSHIRE, North and Central</u>									
Coos County Dalton to Jefferson	26	1350EST 1410EST			0	0			Thunderstorm Wind
Winds from a severe thunderstorm moving through southern Coos county blew down numerous trees and produced large hail in an area from Dalton to Whitefield to Jefferson. More than 6000 customers in the area lost power during the storm. Hail damaged or destroyed crops and gardens throughout the area.									
Coos County Whitefield Regl Arpt	26	1356EST			0	0			Thunderstorm Wind (G52)
Winds gusted to 52 kts at the Whitefield airport during a severe thunderstorm.									
Coos County Gorham	26	1430EST 1500EST			0	0			Urban/Sml Stream Fld
Rain from a thunderstorm caused street flooding in the town of Grafton.									
<u>NEW HAMPSHIRE, Southern</u>									
NONE REPORTED.									
<u>NEW JERSEY, Northeast</u>									
Hudson County Kearny to Harrison	04	1547EST 1550EST			0	0			Flash Flood
A cluster of nearly stationary thunderstorms over Western Hudson County produced torrential rain that flooded basements in Kearny and flooded streets in Harrison.									
<u>NEW JERSEY, South and Northwest</u>									
NJZ012>026	Middlesex - Western Monmouth - Eastern Monmouth - Mercer - Salem - Gloucester - Camden - Burlington - Western Ocean - Cumberland - Western Atlantic - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean								
	12	1100EST			0	0			Heavy Rain
	13	0900EST							
A low pressure system that developed along the Gulf Coast States Monday morning the 12th moved northeast and passed through the Delmarva Peninsula the morning of the 13th. It tapped the abundant moisture over the South and consequently produced heavy rain across Central and Southern New Jersey. Rainfall totals averaged between 1 and 2 inches across Central New Jersey and 2.5 to 4 inches across Southern New Jersey. This occurred over about a 24 hour span thus flooding was limited to poor drainage locations. No significant stream flooding was reported. Storm totals included 3.63 inches in Estell Manor, 3.62 inches in Margate, 3.3 inches in Atlantic City, 2.8 inches in Harvey Cedars, 2.76 inches in Verga, 2.54 inches in Millville, 2.25 inches in Cherry Hill, 1.63 inches in Hazlet, 1.52 inches in Washington Crossing and 1.41 inches in Iselin.									
Burlington County Florence	16	1430EST			0	0			Hail (1.00)
Burlington County Florence	16	1431EST			0	0			Thunderstorm Wind
Burlington County Chesterfield	16	1450EST			0	0			Hail (1.75)

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Injured	Property	Crops	Character of Storm	
NEW JERSEY, South and Northwest										
A severe thunderstorm dropped quarter size hail in Florence and golf ball size hail in Chesterfield. It also caused wind damage in a four block wide area in Florence from 5th to 8th Streets. Several trees were uprooted, one crushed a Cadillac. A flag was literally ripped from a flagpole. No injuries were reported.										
Ocean County Jackson	16	1515EST			0	0			Thunderstorm Wind	
A severe thunderstorm tore down trees and wires in Jackson.										
Monmouth County Freehold	16	1530EST			0	0			Thunderstorm Wind	
A severe thunderstorm knocked down trees and wires in Freehold. Wind damage was also reported in Howell Township.										
Burlington County Marlton	16	1705EST			0	0			Hail (0.88)	
In addition to nickel size hail in Marlton, there were numerous reports of marble size hail from Mount Holly southwest through Evesham Township.										
Burlington County Northwestern	16	1900EST 2300EST			0	0			Flash Flood	
Thunderstorms moved over the same locations in Northwestern Burlington County and considerable urban and poor drainage flooding as well as flooding of the smaller streams in the area. Hardest hit was Hanover Township. Storm totals included 3.15 inches at McGurie Air Force Base and 2.49 inches in Mount Holly. Most of this fell within two hours between 6 p.m. and 8 p.m. EDT.										
Sussex County Andover	23	1708EST			0	1			Lightning	
A 55-year-old man was critically injured when struck by lightning while working on a car in his driveway in Andover. He suffered burns below his knees. It had rained and lightning apparently struck the wet ground about 15 feet from where he was working. It formed a trench in the dirt and blew holes in the concrete driveway. The heat from the lightning was so intense, it melted some of the cars' tires parked in the driveway.										
Sussex County Sparta	23	1715EST			0	0			Lightning	
Lightning struck and the ensuing fire damaged a home in Sparta.										
Morris County Central Portion	23	1800EST			0	0			Lightning	
Frequent cloud to ground lightning caused power outages to about 4,000 homes in central Morris County. Hardest hit were Morris Plains, Parsippany, Rockaway and Wharton. A power outage at the water treatment plant in Boonton forced 250,000 people to boil their water before using it in Hudson County.										
NJZ014-024>026	Eastern Monmouth - Eastern Cape May - Eastern Atlantic - Eastern Ocean									
	29	1200EST			2	1			Rough Surf	
	31	2359EST								
Rough surf, associated with Hurricane Edouard affected the New Jersey Coast around the Labor Day Weekend and caused two drownings and one serious injury. A 71-year-old man drowned the afternoon of the 29th when his boat capsized in the Great Egg Harbor Inlet off of Longport. A 28-year-old man drowned on the 30th while surfing in Lavallette. A 44-year-old Ocean City man was seriously injured the same day after a wave flipped him off his body board and he landed head first in the sand.										
The hurricane passed about 250 miles east of Atlantic City the evening of Sunday September 1st. But, the roughest surf generally occurred on the 30th with slow improvement over the rest of the Labor Day Weekend. Most beaches were either closed or had bathing restrictions throughout the weekend. Beach patrols reported that the busiest day for rescues was Friday the 30th. Many had to perform no rescues at all on Sunday September 1st. Tidal departures were only 1 to 2 feet above normal with no reports of tidal flooding. The highest winds were less than 30 mph.										
M71BO, M28IW										
NEW MEXICO, Central and North										
Bernalillo County Albuquerque	14	1630MST			1	0			Lightning	
A man, 32, was struck and immediately killed by lightning during a dry thunderstorm over the Northeast Heights section of Albuquerque. M32OU										
Torrance County Duran	16	1800MST 1805MS T			0	0			Hail (1.00)	
Roosevelt County Portales	18	2310MST 2320MS T			0	0	50K		Hail	
A severe electrical storm started 2 house fires and damaged at least 4 other homes during a 10 minute span at Portales.										
Rio Arriba County Cebolla	22	1600MST			0	0	50K		Lightning	

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage	Property	Crops	Character of Storm
NEW MEXICO, Central and North										
A fire started by lightning destroyed a home in Cebolla.										
Sandoval County Algodones	23	1500MST 1800MS T			0	0				Flash Flood
Heavy rains produced flooding of roads and several houses in Algodones.										
San Juan County Bloomfield	24	2100MST 2300MS T			0	0	25K			Flash Flood
Heavy rain to the north during the evening and culverts clogged by debris from rain the previous day produced a river of mud and debris 12 to 26 inches deep which swept into several homes in Bloomfield.										
Santa Fe County 4 SW Santa Fe	25	2100MST 2215MS T			0	0	90K			Flash Flood
Heavy rains just south of Santa Fe along New Mexico Highway 14 flooded a home with 5 feet of water, mud and debris and carried away several automobiles.										
Colfax County 8 E Raton	28	1800MST 1815MS T			0	0				Funnel Cloud
Numerous witnesses watched a funnel cloud over Johnson Mesa east of Raton which lasted about 15 minutes.										
Bernalillo County Albuquerque	29	1500MST 1515MS T			0	0				Hail (1.00)
A storm over eastern Albuquerque produced heavy rain and several periods with hail up to golfball size.										
Bernalillo County Albuquerque	29	1535MST 1545MS T			0	0				Hail (1.25)
Colfax County 8 S Cimarron	29	2230MST 2231MS T			0	0				Hail (1.75)
Colfax County Farley	30	1500MST 1501MS T			0	0				Hail (1.75)
Mora County 6 NW Watrous	30	1635MST 1636MS T			0	0				Hail (1.75)
Golfball hail reported at Fort Union National Monument.										
Harding County 3 N Roy	30	1640MST 1641MS T			0	0				Hail (1.75)
San Miguel County 5 N Las Vegas	30	1655MST 1656MS T			0	0				Hail (2.25)
San Miguel County Sapello	30	1725MST 1726MS T			0	0				Hail (1.50)
San Miguel County Las Vegas	30	1758MST 1759MS T			0	0	80K			Hail (1.50)
A large severe storm moved over western San Miguel county producing heavy rain and considerable hail damage. Brief flash flooding was also reported in Las Vegas.										
San Miguel County Bernal	30	1845MST 1846MS T			0	0				Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Estimated Damage Crops	Character of Storm
<u>NEW MEXICO, Central and North</u>									
Curry County Cannon Afb	30	2255MST 2256MS T			0	0	100K		Thunderstorm Wind (G70)
Roosevelt County 4 W Portales	30	2300MST 2301MS T			0	0	300K		Thunderstorm Wind (G52)
Roosevelt County Portales	30	2300MST 2315MS T			0	0			Hail (0.75)
A cluster of intense storms moved over Curry and Roosevelt counties with heavy rain, hail and about 45 minutes of high winds. Winds reaching 60-80 mph and wind-driven hail to dime size produced considerable window and roof damage to homes and structures in both Clovis and Portales. Several homes in Portales suffered severe damage. Heavy rains also caused flooding with reports of 3 inches of rain in less than an hour over eastern Clovis which produced flooding of car dealerships and water 6 inches deep in a number of road side motels. No injuries were reported.									
<u>NEW MEXICO, South Central and Southwest</u>									
NONE REPORTED.									
<u>NEW MEXICO, Southeast</u>									
NMZ027>028	Guadalupe Mountains Of Eddy County - Eddy County Plains								
	01 23	0000MST 1200MS T			0	0		2.4M	Drought
See narrative in Texas, Western section.									
Eddy County 11 NE Carlsbad	08	1312MST 1313MS T	0.1	40	0	0			Tornado (F0)
Two Carlsbad city employees reported a brief touchdown (less than one minute) by a small tornado 8-10 miles northeast of the Municipal Golf Course.									
Lea County 1 E Lovington	08	1645MST			2	0			Lightning
Two employees of Lea County Co-op Electric were killed by lightning while attempting to repair lines that had been disabled during a previous storm. Since there were no witnesses of the incident it was first thought the two men had been electrocuted by the lines on which they were working, however, a subsequent investigation ruled out this possibility. People in the area noted a couple of close lightning strikes, and with other evidence, it was surmised that the two were lightning strike victims. M36OT, M48OT									
Eddy County Carlsbad	16	2217MST			0	0	5K		Thunderstorm Wind
Wet microburst winds broke tree limbs and power lines in some parts of Carlsbad. Power was out in some areas until nearly 5am MDT.									
Eddy County 1 N Artesia	17	0007MST 0230MS T			0	0			Flash Flood
Flooding occurred in the city of Artesia on roads that cross Eagle Draw. This draw flows east through the city toward the Pecos River.									
Lea County 14 NW Jal	19	1716MST			0	0			Hail (0.88)
Eddy County Carlsbad	26	1145MST 1300MS T			0	0			Flash Flood
Over two inches of rain across much of the city of Carlsbad caused extensive street flooding. Numerous cars stalled in the high water.									
Eddy County 13 NW Carlsbad	28	1245MST 1600MS T			0	0			Flash Flood
Heavy rains over the Rocky Arroyo basin caused flooding on State Highway 137 that blocked the path to the Queen community. Water depths approached 10 feet at one water crossing. Also flooding was reported in the Brantley Lake area.									
Eddy County 8 S Loco Hills	31	0330MST			0	0			Hail (0.88)

Storm Data and Unusual Weather Phenomena

August 1996

											August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Injured	Property	Crops	Character of Storm		
NEW YORK, Central											
Sullivan County Fallsburgh	03	1500EST			1	0			Lightning		
Thunderstorms produced vivid cloud to ground lightning across Sullivan county. A woman in the town of Fallsburgh was struck by lightning and killed while working on her garden. F?OU											
Oneida County Lee Center	08	0625EST 0629EST			0	0			Hail (0.75)		
A severe thunderstorm developed rapidly in northern Oneida county and produced a brief period of large hail over Lee Center.											
Onondaga County Manlius	08	0755EST			0	5	10K		Lightning		
Five workers at a factory in the town of Manlius were treated for minor injuries when vivid cloud to ground lightning associated with a thunderstorm struck the building.											
Seneca County Fayette	15	1840EST			0	0	5K		Thunderstorm Wind		
A cluster of severe thunderstorms moved across central Seneca county. These storms downed numerous trees and telephone poles in the town of Fayette.											
Cayuga County Auburn	15	1844EST			0	0	5K		Thunderstorm Wind		
The line of severe thunderstorms that produced damage in Seneca county continued eastward into southern Cayuga county. Numerous trees and wires were downed in Auburn, with nickel sized hail reported a short time later.											
Cayuga County Auburn	15	1855EST			0	0			Hail (1.00)		
The line of severe thunderstorms that produced damage in Seneca county continued eastward into southern Cayuga county. Numerous trees and wires were downed in Auburn, with nickel sized hail reported a short time later.											
Onondaga County Cicero	15	1915EST			0	0	5K		Thunderstorm Wind		
The cluster of severe thunderstorms that produced large hail and wind damage in Seneca and Cayuga counties moved eastward into Onondaga county. Large trees and numerous wires were blown down in the town of Cicero.											
Broome County Kirkwood to Conklin	23	1400EST 1410EST			0	2	20K		Thunderstorm Wind		
Thunderstorm winds overturned a temporary office trailer in the town of Kirkwood. A large tree was also blown down onto a parked vehicle in Conklin.											
Sullivan County Fallsburgh	23	1620EST			0	0	5K		Thunderstorm Wind		
Thunderstorm winds downed several large trees in the town of Fallsburgh.											
Oneida County Verona	26	1600EST 1601EST	0.2	50	0	0			Tornado (F0)		
A severe thunderstorm spawned a tornado which briefly touched down in an open field in Verona township. The twister was only on the ground for about 20 seconds before lifting back up into the cloud deck as reported by a skywarn spotter who witnessed the event. Damage as a direct result of the tornado was minimal. Evidence of a cross wind pattern in the tall grass of the field was noted.											
Oneida County Verona	26	1610EST			0	0			Hail (0.75)		
The severe thunderstorm that spawned an F0 tornado a short time earlier also produced large hail just to the southeast, still within Verona township.											
Otsego County Cooperstown	27	1545EST			0	0			Hail (1.50)		
A severe thunderstorm developed rapidly over Otsego county and produced large hail in Cooperstown.											
Broome County Vestal to Vestal Center	27	1745EST 1758EST			0	0			Hail (1.00)		
A thunderstorm intensified over western Broome county and produced large hail in Vestal. Dime sized hail was also reported a short time later in Vestal Center.											
Otsego County Milford	27	1825EST			0	0	10K		Thunderstorm Wind		
Thunderstorm winds downed high voltage wires across Interstate 88 near exit 13, closing the highway for about 30 minutes. Large trees and wires were also downed in nearby Milford township.											
NEW YORK, Coastal											
Bronx County Bronx	04	1630EST			0	0			Lightning		
Lightning struck the recreational pier at Tiffany Street in the South Bronx. It started a fire that melted and destroyed about half the pier.											

Storm Data and Unusual Weather Phenomena

August 1996

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

**Richmond County
Rosebank**

09 1300EST

0 0

Thunderstorm Wind (G50)

A line of thunderstorms produced high winds that ripped off roofs from two houses and knocked down large tree limbs in Rosebank.

**Orange County
New Windsor to
Newburgh**

**23 1530EST
1543EST**

0 0

Thunderstorm Wind (G50)

**Putnam County
5 SE Brewster**

23 1630EST

0 0

Funnel Cloud

**Putnam County
Brewster**

23 1630EST

0 0

Thunderstorm Wind (G50)

A line of severe thunderstorms formed in a warm moist unstable airmass ahead of an approaching cold front.

These storms produced high winds that knocked down several trees which also fell on power lines.

In Orange County in the city of New Windsor, Route 9W was closed southbound from Union Ave. due to several large trees that were down on both lanes. In addition, a spotter near Newburgh reported numerous trees down in the vicinity of Routes 300 and 52.

In Putnam County, Route 6 was closed between Brewster, NY and Danbury, CT due to numerous downed trees. In addition, wind damage was also reported just north of the village of Cold Spring. Numerous shingles were torn off about eight houses.

NYZ077-080>081

Nassau - Southwest Suffolk - Southeast Suffolk

**29 0700EST
02 0400EST**

0 0

Coastal Flooding

The local area experienced the fringe effects from Hurricane Edouard from Thursday, August 29th through Monday, September 2nd, 1996. Hurricane Edouard moved north along 70 degrees west longitude from about 35 to 39 degrees north latitude. It then curved northeast and moved further offshore.

Sea swells began to build on Thursday, August 29th. Combined with high astronomical tides, minor coastal flooding began around high tides on August 29th. As sea swells became larger, the areal extent and intensity of coastal flooding increased around high tides.

Maximum tides averaged 1 to 2 feet above normal during high tides Sunday night and Monday, September 2nd. Moderate coastal flooding was reported along parts of the south shore of Long Island during these maximum tidal departures early Monday morning on September 2nd.

Along the south shore of Long Island, sections of Jones Beach, Robert Moses State Park and Hither Hills State Park were flooded during times of high tide from Friday through Monday. Parts of Dune Road in Hampton Bays were closed due to washovers around high tides on Sunday, September 1st. Six vehicles were stuck in nearly 1 foot of standing salt water. In addition, wave action knocked part of the dunes into the two lane road, covering sections of the road with sand. On Fire Island, several washovers also occurred Sunday night.

Beaches were closed to swimmers from Friday, August 30th through early Monday, September 2nd.

On Friday, August 30th, the USCG reported that a 22-foot boat capsized off of Jones Beach. The two passengers on board were not injured.

A cruise ship was damaged around September 1st after leaving New York Harbor enroute to Bermuda. It encountered 30 to 50 foot seas and swells. The Celebrity Cruiseline Ship Zenith was heavily damaged in the front. Several passengers were hurt along with crew members. This ship left New York Harbor on Saturday, August 31st.

Wind speeds remained below tropical storm force across the region on land and sea.

No significant rainfall occurred. Less than one-half inch was measured over the Twin Forks of Long Island and over parts of New London County, CT.

NEW YORK, East

**Herkimer County
Frankfort**

**08 0900EST
1500EST**

0 0

700K

Flash Flood

During the morning and early afternoon hours of August 8, training showers and thunderstorms with torrential downpours produced up to seven inches of rain across southern Herkimer County. This resulted in extensive flash flooding in the Town of Frankfort and to a lesser degree in the Village of Ilion. A state of emergency was declared in Herkimer County. In the Village of Frankfort, 75 homes were evacuated. One house was destroyed, five homes were damaged and three vehicles were flooded. Many creeks overflowed their

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<u>NEW YORK, East</u>							
	overflowed their banks including Moyer Creek which caused widespread flooding along Main Street in the Village of Frankfort. Moyer Creek Bridge and a bridge on Center Road were washed out. Frankfort Gorge Road, Mucky Run Road, Avery Road, McGowan Road, Center Road and Brice Road in the Town of Frankfort, were also heavily damaged. A couple of roads in the Village of Ilion were also flooded and a few evacuation occurred.						
Rensselaer County Pittstown	16	1900EST			0 0	25K	Lightning
	At Pittstown in Rensselaer County, lightning burned a single story barn to the ground. Tools and recreational vehicles were lost in the fire.						
Rensselaer County Schodack Center	23	1430EST			0 0	4K	Thunderstorm Wind
Rensselaer County Nassau	23	1435EST			0 0	4K	Thunderstorm Wind
Columbia County North Chatham	23	1447EST			0 0	2K	Thunderstorm Wind
	A cold front crossed eastern New York during the afternoon of August 23. The front produced a few severe thunderstorms in Rensselaer and Columbia Counties. In Rensselaer County, many trees were downed by the wind in Schodack Center and Nassau. At North Chatham in Columbia County, several trees were downed by the wind.						
Columbia County Mellenville	23	1530EST			0 0	15K	Lightning
	At Mellenville in Columbia County, fire destroyed a barn which was started by lightning.						
Dutchess County Town Of Poughkeepsie	23	1531EST			0 1		Lightning
	An individual was indirectly injured by a bolt of lightning in the Town of Poughkeepsie. The person was hospitalized and released.						
Greene County Lexington	24	1700EST			0 0	60K	Lightning
	During the evening of August 24, a lightning bolt caused a fire which destroyed a house at Lexington in Greene County.						
Dutchess County Salt Pt	27	1700EST			0 0	4K	Thunderstorm Wind
Washington County Whitehall	27	1830EST			0 0	3K	Thunderstorm Wind
	An unstable atmosphere was situated over eastern New York on August 27. As an upper air disturbance crossed the region during the late morning and afternoon hours, widely scattered severe thunderstorms developed over the area. At Salt Point in Dutchess County, several trees were downed by the wind and a chimney was damaged by a fallen tree. At Whitehall in Washington County, a few trees were downed by the wind.						
Albany County Colonie	27	1915EST			0 0	10K	Lightning
	Lightning started a fire at the Kairnes Street Liquor Warehouse in Colonie. The fire damaged the rear of the warehouse.						
Herkimer County Ilion	27	1930EST 2200EST			0 0	150K	Flash Flood
	Nearly stationary showers and thunderstorms with torrential downpours, resulted in flash flooding at the Village of Ilion during the evening of August 27. Numerous streets were flooded in the village including: East and West Main Streets, Central Avenue and Otsego Street including its side streets. Several homes and businesses were flooded. The Ilion Post Office, Lennox Brothers Pharmacy and Remington Arms Credit Union sustained flood damage.						
Herkimer County Herkimer	27	1941EST			0 0	10K	Lightning
	Lightning stuck a garage at the Village of Herkimer during the evening of August 27. Moderate damage was incurred to the structure.						
Montgomery County Church Corners	30	1215EST			0 0	0.20K	Dust Devil
	A dust devil damaged a tin building near the Fulton-Montgomery Community College in Montgomery County.						
<u>NEW YORK, North</u>							
Franklin County Onchiota	03	1640EST			0 0		Small Hail
Clinton County Riverview	03	1705EST 1710EST			0 0	10K	Thunderstorm Wind

A weak trough of low pressure moved across northern New York which triggered afternoon and evening thunderstorms. Some thunderstorms were accompanied by locally heavy rain, strong winds and hail.

At 1640 EST hail 1/2 inch diameter (marble size) was reported in Onchiota, NY (Franklin County).

At 1705 EST trees were blown down onto power lines by thunderstorm winds in Riverview, NY (Clinton County).

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm	
NEW YORK, North										
St. Lawrence County Madrid	15	1645EST 1700EST			0	0	10K		Thunderstorm Wind	
An area of low pressure moved through the Great Lakes region with thunderstorms Thursday (August 15, 1996) afternoon and night along and ahead of the associated warm front. Several house fires were started by lightning in Thursday night in both St. Lawrence and Franklin Counties of New York.										
A few specific damage reports included:										
At 1645 EST large tree limbs were blown down in Madrid, NY (St. Lawrence County) along with marble size hail.										
At 1705 EST large trees and power lines were blown down in Massena, NY (ST Lawrence County).										
At 1945 EST large tree limbs were blown down in Gouverneur, NY (ST Lawrence County).										
At 1955 EST trees down with structural damage to a vegetable produce stand reported in Richville, NY (ST Lawrence County).										
St. Lawrence County Massena	15	1705EST 1710EST			0	0	10K		Thunderstorm Wind	
St. Lawrence County Gouverneur	15	1945EST 2000EST			0	0	5K		Thunderstorm Wind	
St. Lawrence County Richville	15	1955EST 2010EST			0	0	15K		Thunderstorm Wind	
NEW YORK, West										
Wayne County Sodus	08	0910EST 0945EST			0	0	15K		Flash Flood	
Thunderstorms developed along a convergence line along the south shore of Lake Ontario. The storms continued to redevelop along the same line producing rainfall amounts between three and five inches in less than a three hour period. Street flooding closed numerous roads.										
Orleans County Medina	08	0915EST 0955EST			0	0	30K		Flash Flood	
Thunderstorms developed along a convergence line along the south shore of Lake Ontario. The storms continued to redevelop along the same line producing rainfall amounts between three and five inches in less than a three hour period. Street flooding was reported. In Medina, 30 basements were flooded.										
Orleans County Albion	08	0945EST 1035EST			0	0	25K		Flash Flood	
Thunderstorms developed along a convergence line along the south shore of Lake Ontario. The storms continued to redevelop along the same line producing rainfall amounts between three and five inches in less than a three hour period. In Albion, in addition to street flooding, 24 basements were flooded.										
Wayne County Sodus	08	0945EST 1055EST			0	0	10K		Flash Flood	
Thunderstorms developed along a convergence line along the south shore of Lake Ontario. The storms continued to redevelop along the same line producing rainfall amounts between three and five inches in less than a three hour period.										
Chautauqua County Stedman	08	1215EST			0	0	50K		Thunderstorm Wind	
A severe thunderstorm crossed Chautauqua county during the early afternoon. The thunderstorm was accompanied by very heavy rain and large hail. Several home sustained damage by falling trees and limbs. A small barn was leveled. A large barn sustained major damage as the windward quarter of the barn was ripped off. The pieces of the structure were blown several hundred feet downwind.										
Niagara County Porter	08	1535EST			0	0	25K		Thunderstorm Wind	
A severe thunderstorm struck northwest Niagara county during the afternoon. The thunderstorm caused damage to the grounds at the Niagara Frontier Country Club. Several trees had very large limbs, two to three feet in diameter, knocked down. Tree limbs also knocked down some power lines at the Club golf course. Several picnic tables, weighing 150 pounds each, were overturned by the strong winds.										
Niagara County Cambria	08	1615EST			0	0	10K		Thunderstorm Wind	
A severe thunderstorm struck the village of Cambria during the afternoon hours. The strong thunderstorm winds caused no structural damage, but downed numerous trees and limbs.										

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
NEW YORK, West							
Niagara County Lockport	08	1620EST 1730EST			0 0	20K	Flash Flood
Slow moving thunderstorms dropped nearly two inches of rain in less than an hour resulting in street and basement flooding.							
Chautauqua County Dunkirk	15	1400EST			0 0	3K	Thunderstorm Wind (G51)
Chautauqua County Mina	15	1500EST			0 0	8K	Thunderstorm Wind
Cattaraugus County Olean	15	1530EST			0 0	2K	Hail (0.75)
Erie County Collins	15	1534EST			0 0	15K	Thunderstorm Wind
Thunderstorm winds felled a large tree which crushed an automobile.							
Genesee County Alexander	15	1540EST			0 0	7K	Thunderstorm Wind
Wyoming County Attica	15	1540EST			0 0	8K	Thunderstorm Wind
Cattaraugus County New Albion	15	1610EST			0 0	21K	Thunderstorm Wind
Thunderstorm winds were strong enough to down a series of telephone poles.							
Monroe County Spencerport	15	1620EST			0 0	5K	Thunderstorm Wind
Wayne County Newark	15	1730EST			0 0	8K	Thunderstorm Wind
Allegany County Rushford	15	1810EST			0 0	7K	Thunderstorm Wind
Cayuga County Victory	15	1815EST			0 0	8K	Thunderstorm Wind
Cayuga County Ira	15	1850EST			0 0	7K	Thunderstorm Wind
Jefferson County Watertown	15	1900EST			0 0	8K	Thunderstorm Wind
Cattaraugus County Farmersville	20	1918EST			0 0	5K	Thunderstorm Wind
Cattaraugus County Olean	27	1900EST 2130EST			0 0	11K	Flash Flood
Thunderstorms dropped over an inch of rain in less than an hour producing localized flash flooding.							
NORTH CAROLINA, Central							
Durham County Durham	07	1600EST 1700EST			0 0	20K	Flash Flood
3.7 inches of rain fell in the city of Durham during one hour. This produced flash flooding on many streets including the downtown area. The worst flooding occurred on Pettigrew Street where 3 feet of water flooded several cars and washed them off the road.							
Franklin County New Hope	07	1715EST			1 0		Lightning
A man and his dog were killed by lightning while walking along NC 98 West. The strike occurred from a thunderstorm moving away from the area. No heavy rain was occurring at the time. M?OU							
Durham County Durham	16	1553EST			0 0		Hail (0.75)
Franklin County Youngsville	22	1405EST			0 0		Thunderstorm Wind (G50)
Trees down around Youngsville. Many were broken in half.							
Wake County Raleigh	22	1520EST			0 0		Thunderstorm Wind (G50)
Strong thunderstorm winds blew down trees and power lines.							
Forsyth County Kernersville	27	1600EST			0 0	20K	Tstm Wind/Hail
A weak microburst event hit a mobile home park in Kernersville in northeastern Forsyth county. The main portion of the downburst							

Storm Data and Unusual Weather Phenomena

August 1996

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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NORTH CAROLINA, Central

was aloft as it passed over the park. The park contained less than 15 mobile homes and contained many large oak trees. About 6 trees were damaged. Two of the felled trees were already dead, two were shallow rooted white pines. Of the other two, one was snapped off at the ground, while the other fell into a creek.

Only one trailer sustained damage. The wind got under a small porch and blew it behind the home. Some of the roof was also peeled back.

There was significant water damage in the home.

A trucking company a quarter of a mile up the street also had some damage. The wind entered a large garage through an open door and lifted the roof.

Overall, it was a minor and localized event. Wind speeds were estimated at 45 mph.

**Anson County
Peachland**

27 2100EST

0 0 10K

Thunderstorm Wind (G50)

Three large trees were blown down between Peachland and Wadesboro on US-74 in western Anson county. One tree fell onto a home.

NORTH CAROLINA, Central Coastal

**Onslow County
Jacksonville**

01 1800EST

0 0 2M

Lightning

Lightning struck the Summersill school near Jacksonville starting a fire which destroyed a large part of the structure.

**Beaufort County
Washington**

**02 1910EST
2100EST**

0 0

Flash Flood

Water flooded several downtown streets and county roads.

**Pitt County
Winterville**

**02 1920EST
2100EST**

0 0

Flash Flood

1-2 feet of water covering roads in Winterville.

**Craven County
Granthams**

**03 1545EST
1800EST**

0 0

Flash Flood

Several roads off Route 70 were under water.

**Lenoir County
Kinston**

**17 1920EST
1930EST**

0 0

Hail (0.75)

Marble to dime size hail and flooding on Vernon Avenue in Kinston. Trees and power lines were also reported down.

**Duplin County
Beautancus**

**18 1707EST
1708EST**

0 0

Hail (0.75)

**Pitt County
Calico**

**26 1544EST
1545EST**

0 0 10K

Thunderstorm Wind

Thunderstorms knocked trees down south of Snow Hill at State Route 1440 and 258 and downed trees and flooded roads in Calico.

**Greene County
2 S Snow Hill**

**26 1641EST
1642EST**

0 0 2K

Thunderstorm Wind

**Dare County
3 N Manteo to
2 S Wanchese**

**28 1030EST
1330EST**

0 0

Waterspout

Several waterspouts were reported over the Croatan and Roanoke Sounds.

NCZ095-103

Carteret - Eastern Dare

**29 1000EST
31 2359EST**

0 0

Hurricane

Hurricane Eduoard passed within 250 miles of Cape Hatteras on its journey northward through the Atlantic waters. High swells and heavy surf affected the coastline with some ocean overwash on Hatteras Island north of Buxton and Rodanthe. The event continued until September 2.

NORTH CAROLINA, Extreme Southwest

**Cherokee County
5 S Murphy**

19 1435EST

0 0

5K

Thunderstorm Wind

Several trees were knocked down near Martins Creek.

NORTH CAROLINA, North Coastal

**Pasquotank County
Elizabeth City**

17 1405EST

0 0

Hail (0.75)

**Pasquotank County
Elizabeth City**

17 1415EST

0 0

4K

Thunderstorm Wind

Several trees were blown down and a roof was lifted off a shed.

Storm Data and Unusual Weather Phenomena

August 1996

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

NORTH CAROLINA, Northwest and North Central

Rockingham County										
Stoneville	06	2130EST			0	0				Thunderstorm Wind
	An isolated severe thunderstorm during the late evening hours on the 6th produced damaging winds which knocked down trees in Stoneville.									
Watauga County										
Countywide	12	0815EST 1300EST			0	0	50K			Flash Flood
Ashe County										
Countywide	12	0900EST 1200EST			0	0	80K			Flash Flood
Alleghany County										
Countywide	12	0930EST 1300EST			0	0	10K			Flash Flood
Wilkes County										
West & North Portion	12	1000EST 1400EST			0	0	80K			Flash Flood
Surry County										
Countywide	12	1225EST 1810EST			0	0	5K			Flash Flood

Heavy rain during the morning and afternoon hours on the 12th resulted in flash flooding across northwest North Carolina.

Heavy rainfall in Watauga County flooded creeks and streams, resulted in 14 roads being closed, damaged some roads, and resulted in some evacuations.

In Ashe County, heavy rainfall sent some creeks and streams out of their banks, washed away two low water crossing bridges, closed 23 roads, resulted in \$70,000 in damage to roads and damaged a business in West Jefferson. A woman who drove into high water and became stranded was rescued by a truck driver.

In Surry County, heavy rainfall flooded creeks and streams which resulted in road closings, 12 people being evacuated from a camp, and the flooding of a trailer.

Heavy rainfall in Alleghany County collapsed a basement wall and resulted in minor damage to roads and bridges.

In the western and northern portions of Wilkes County, runoff from heavy rain sent creeks and stream out of their banks, washed out approaches to some bridges, and resulted in \$80,000 in damage to roads.

NCZ003-019>020	Surry - Wilkes - Yadkin									
	12	1500EST			0	0	2K			Flood
	13	1100EST								
NCZ006	Caswell									
	13	0200EST			0	0				Flood
	14	1200EST								

Heavy rainfall on the 12th in northwest North Carolina and southern Virginia resulted in river flooding on the Dan and Yadkin Rivers.

Minor flooding resulted in minor crop damage on the Yadkin River from just west of Elkin to 6 miles east of Courtney. The Yadkin River crested almost 3 feet above flood stage in Yadkin at 0001 EST on the 13th.

Minor flooding occurred on the Dan River in extreme northern portions of Caswell County.

Wilkes County										
North Wilkesboro	15	1733EST			0	0				Thunderstorm Wind
	An isolated severe thunderstorm in Wilkes County on the 15th knocked down power lines in North Wilkesboro.									
Wilkes County										
3 NNW Mulberry	16	1520EST 1715EST			0	0				Flash Flood
	Heavy rain in portions of Wilkes County on the 16th resulted in a road being flooded by a creek 3 miles north-northwest of Mulberry.									
Wilkes County										
Mulberry	23	1530EST			0	0				Thunderstorm Wind
	Thunderstorms winds during the afternoon hours on the 23rd broke off tree limbs in Mulberry.									

NORTH CAROLINA, South Coastal

Columbus County										
Brunswick to 4 N Whiteville	02	1630EST 2030EST			0	0				Flash Flood
	Rain began 4:30 PM EST, with 4 to 6 inches in two hours across Brunswick, New Hope, and South Whiteville, where flooding was worst. Rains caused flooding as far as 2 miles west and 4 miles north of Whiteville town limits. Several Brunswick families were evacuated, one moving vehicle was swamped dashboard-deep. Several minor accidents.									

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm	
<u>NORTH CAROLINA, South Coastal</u>										
Columbus County 2 W Chadbourn to Chadbourn	03	1930EST 2200EST			0	0		200K	Flash Flood	
Reports as high as 5.5 inches rain in 90 minutes at the Piney Forest community. Five catfish ponds flooded into one, and tobacco and soybean crops were hurt.										
Brunswick County 2 SSW Southport to .2 W Southport	04	0814EST 0820EST			0	0			Waterspout	
Storm spotter reported two waterspouts approaching the coast. They dissipated after moving ashore.										
Brunswick County .2 W Southport	04	0820EST 0822EST	0.1	20	0	0			Tornado (F0)	
Storm spotter reported waterspout making landfall and dissipating in undeveloped area. No damage.										
Pender County 2 S Rocky Pt	04	1430EST 1600EST			0	0			Flash Flood	
One foot of water on Highway 132 at the base of the NE Cape Fear River Bridge. Flooding reported on U.S. 117.										
New Hanover County Castle Hayne	04	1530EST 1700EST			0	0			Flash Flood	
Flash flooding caused 3 vehicles to go off road, one into the woods.										
Columbus County Whiteville	17	1805EST 1850EST			0	0			Thunderstorm Wind (G60)	
Thunderstorm gusts downed trees, and lightning caused power outages for nearly an hour. Heavy rain, around two inches in an hour caused minor street flooding.										
Columbus County Tabor City to Whiteville	18	1700EST 1930EST			0	0	100K		Flash Flood	
A north-south line of thunderstorms caused around an inch of rain in less than 1/2 hour across western Columbus County, rendered many streets impassable. Lightning caused power outages in Whiteville and Chadbourn.										
Columbus County Whiteville	19	1730EST			0	0			Thunderstorm Wind (G60)	
Thunderstorm wind downed a tree across Pinelog Rd in Soules Swamp. Tree fell on and demolished a passing car. Two injuries. A second car swerved into the swamp to avoid tree, no injuries.										
<u>NORTH CAROLINA, Southwest</u>										
Mecklenburg County 2 S Charlotte to 5 E Charlotte	02 03	2230EST 0000EST			0	0			Flash Flood	
Mecklenburg County Southern Portion	02 03	2330EST 0130EST			0	0			Flash Flood	
Slow moving thunderstorms dumped heavy rain across southern Mecklenburg county, causing several roads to become flooded.										
Caldwell County Draco	03	0345EST 0430EST			0	0			Flash Flood	
Slow moving thunderstorms caused flash flooding. Flooding was most extensive in the urban areas south and east of Charlotte where some bridges were still under water until 0400 EST. In Caldwell county, one foot of water was reported covering Highway 90 near Draco.										
Mitchell County Buladean	03	1800EST 1930EST			0	0			Flash Flood	
Madison County Hot Spgs	03	1900EST 1905EST			0	0			Thunderstorm Wind (G50)	
Catawba County Hickory	03	1905EST			0	0	100K		Lightning	
Mecklenburg County Huntersville to 5 NE Newell	03	2005EST 2030EST			0	0			Hail (1.00)	
Mecklenburg County Huntersville to 5 NE Newell	03	2005EST 2030EST			0	0	50K		Thunderstorm Wind (G65)	
Cabarrus County Harrisburg	03	2020EST 2030EST			0	0			Thunderstorm Wind (G50)	
Thunderstorms produced some flooding in the mountains where several										

Storm Data and Unusual Weather Phenomena

August 1996

												August 1996	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Property	Estimated Damage Crops	Character of Storm				
<u>NORTH CAROLINA, Southwest</u>													
bridges were flooded out. Winds gusts were estimated to 50 knots at Hot Springs by an employee of NCDC. A steady state thunderstorm moved across northern Mecklenburg county leaving quite a bit of damage to homes resulting from downed trees. Wind and hail damage was likely more than the \$50,000 listed above. The storm had weakened considerably by the time it reached Harrisburg but was still strong enough to blow down a few trees. Lightning severely damaged a home at Hickory.													
Gaston County Gastonia	05	1300EST 1500EST			0	0			Flash Flood				
Gaston County Gastonia	05	1400EST			0	2			Lightning				
Mecklenburg County 5 NE Charlotte	05	1630EST 1830EST			0	0			Flash Flood				
Slow moving thunderstorms caused severe urban flooding around Gastonia, where water entered some homes, and in northeast sections of Charlotte. Two children were injured by lightning in Gastonia.													
Caldwell County Mortimer	11	0445EST 0625EST			0	0			Flash Flood				
Caldwell County 5 W Collettsville	11	0745EST 0930EST			0	0			Flash Flood				
Caldwell County 2 NW Edgemont	11	2245EST 2359EST			0	0			Flash Flood				
Near stationary thunderstorms formed in upslope flow dumping excessive rainfall over the eastern slopes of the mountains. Flash flooding developed on several streams quickly trapping some campers and washing away camp sites. A second area of rainfall developed during the morning and renewed the flooding.													
McDowell County Woodlawn to 3 N Marion	12	1000EST 1600EST			0	0			Flash Flood				
Caldwell County Collettsville	12	1000EST 1600EST			0	0			Flash Flood				
Burke County Table Rock	12	1000EST 1600EST			0	0			Flash Flood				
Burke County 1 N Morganton	12	1845EST 2000EST			0	0			Flash Flood				
Flooding became more serious as rainfall continued over the same areas. More and more streams flooded including the Johns River. Numerous bridges were covered and evacuations were required, especially around Collettsville which was isolated for several hours by flood waters. The flooding eventually progressed to Morganton and on to near Marion. Rock and mud slides near Marion forced highway closure in some cases.													
McDowell County Marion	16	1500EST 1520EST			0	0			Thunderstorm Wind (G50)				
Alexander County Hiddenite	16	1716EST 1735EST			0	0			Thunderstorm Wind (G50)				
Severe thunderstorms blew down a few trees in a couple of locations.													
Burke County Rutherford College to Icard	17	1515EST 1545EST			0	0			Lightning				
Macon County Highlands	17	1730EST 1930EST			0	0			Heavy Rain				
Lightning caused several structure fires in eastern Burke county. Heavy rains in the mountains of Macon county caused mud slides which closed roads.													
Caldwell County Collettsville	21	1613EST 1645EST			0	0			Thunderstorm Wind (G50)				
Polk County Mill Spg	21	1855EST 1915EST			0	0			Thunderstorm Wind (G50)				
Downburst winds caused a fair amount of damage around Collettsville where tin was ripped off roofs, trees and power lines were blown down and signs were destroyed. In Mill Spring some power poles and trees were downed.													
Mitchell County Spruce Pine	22	1610EST 1630EST			0	0			Hail (0.75)				

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
NORTH CAROLINA, Southwest									
Mitchell County 2 SE Penland	22	1610EST 1630EST			0	0			Thunderstorm Wind (G50)
Burke County 1 W Glen Alpine	24	1419EST 1445EST			0	0			Hail (1.75)
Henderson County Etowah	24	1440EST 1500EST			0	0			Thunderstorm Wind (G50)
Iredell County 5 S New Hope to 3 NNE Scotts	24	1450EST 1515EST			0	0			Thunderstorm Wind (G50)
Henderson County 3 SE Hendersonville	24	1507EST 1525EST			0	0			Hail (0.75)
Catawba County Catawba	24	1520EST 1540EST			0	0			Thunderstorm Wind (G50)
Cleveland County Shelby	24	1530EST 1545EST			0	0			Lightning
Mecklenburg County 7 E Charlotte	24	1631EST 1650EST			0	0			Hail (0.75)
Gaston County Belmont	24	1640EST 1700EST			0	0			Thunderstorm Wind (G55)
Mecklenburg County Charlotte	24	1641EST 1705EST			0	0			Hail (1.75)
Mecklenburg County 5 S Charlotte to 5 SE Charlotte	24	1705EST 1815EST			0	0	200K		Flash Flood
Cabarrus County Kannapolis to Midland	24	1755EST 1813EST			0	0			Lightning
Union County Monroe	24	1800EST 1815EST			0	1			Lightning
Severe thunderstorms swept from the foothills through much of the piedmont causing widespread reports of large hail and damaging wind. Trees were blown down in all locations where wind damage was listed above and in Iredell county a tree crushed a mobile home. Power was out in much of the area. In Charlotte excessive rainfall caused flash flooding. The worst flooding was reported along Independence Avenue where at least one car dealership flooded. Thirty one cars were damaged or destroyed. Lightning caused power outages to 1000 homes around Concord and partially burned a home near Shelby. At Monroe lightning struck two trees, ran through a carport, cracked the wall of a house and injured one woman.									
Cleveland County Shelby	26	1330EST 1340EST			0	0			Lightning
Cleveland County Shelby	26	1330EST 1340EST			0	0			Thunderstorm Wind (G50)
A severe thunderstorm blew down several trees and lightning caused some damage to residences.									
Union County Marshville	26	1615EST 1635EST			0	0	10K		Thunderstorm Wind (G50)
A downburst ripped part of the roof off a well constructed barn causing significant damage. Some swirls in nearby grass suggested a tornado possibly caused the damage but evidence is insufficient and no witnesses observed the storm.									
Rutherford County 2 E Union Mills to Westminster	28	1720EST 1740EST			0	0			Thunderstorm Wind (G50)
A severe thunderstorm moving from the north blew down a few trees.									
Buncombe County 3 N Asheville	29	1800EST			0	1			Lightning
Lightning injured one person.									

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>NORTH DAKOTA, Central and West</u>									
Stark County									
Belfield	02	1608MST			0	0			Hail (1.75)
Golden Valley County									
8 S Beach	02	1640MST			0	0	12K	250K	Hail (3.00)
Severe thunderstorm produced hail from 1 inch to 3 inches in size. Hail combined with strong winds to break out many windows and down numerous power lines. Damage amount estimated.									
Mckenzie County									
7 W Mandaree	02	1650MST			0	0			Hail (0.75)
Billings County									
Fryburg	02	1715MST			0	0			Hail (1.00)
Stark County									
Dickinson	02	1740MST			0	0	300K	0	Lightning
Lightning struck a 12 unit condo in Dickinson and set the building on fire. A total of 24 people were left homeless because of the fire.									
Slope County									
Dickinson	02	1745MST 1755MS T			0	0			Hail (1.75)
Hail fell in the Dickinson area for up to ten minutes. Hail sizes varied from 3/4 inch to 1 3/4 inch.									
Slope County									
6 W New England	02	1800MST			0	0			Hail (1.00)
Hettinger County									
New England	02	1825MST			0	0	10K	0	Thunderstorm Wind (G70)
Strong thunderstorm winds destroyed numerous calf shelters. The winds also moved a 2 ton rated truck. Property damage estimated.									
Stark County									
2 W New England	02	1830MST			0	0			Hail (1.00)
Renville County									
Mohall	02	2015CST			0	0	5K	0	Thunderstorm Wind (G55)
Strong thunderstorm winds blew over a trailer. Property damage estimated.									
Emmons County									
Linton	02	2045CST			0	0			Thunderstorm Wind (G65)
Burleigh County									
Bismarck	02	2055CST			0	0			Thunderstorm Wind (G55)
Morton County									
St Anthony	02	2055CST			0	0			Thunderstorm Wind (G60)
Burleigh County									
Bismarck	02	2100CST			0	0	2K	0	Lightning
Lightning struck garage roof in Bismarck.									
Mcintosh County									
15 W Wishek	02	2150CST			0	0	5K	0	Thunderstorm Wind (G55)
Thunderstorm winds blew roof off of a pole barn. Damage amount estimated.									
Mcintosh County									
15 W Wishek	02	2159CST			0	0	5K	0	Thunderstorm Wind (G60)
Thunderstorm winds tore roof off of pole barn. Property damage estimated.									
Emmons County									
Linton	02	2240CST			0	0			Hail (0.75)
Mclean County									
4 Ne Garrison	03	0300CST			0	0	70K	0	Lightning
Lightning struck a farmstead and started a few buildings on fire.									
Billings County									
2 Sw Fryburg	03	1700MST			0	0	2K	0	Lightning
Lightning struck a group of hay bales in a field. 85 hay bales were destroyed. Damage amount estimated.									
Billings County									
4 Se Fryburg	03	1730MST			0	0	8K	0	Lightning
Lightning struck a house southeast of Fryburg. There was no fire that resulted from the strike, the lightning did blow holes in the walls.									
Bowman County									
12 N Bowman	03	1833MST			0	0			Hail (1.00)
Slope County									
10 W New England	03	2105MST			0	0	30K	150K	Thunderstorm Wind (G75)
Thunderstorm winds tipped over semi-trailer and truck. Trailer was empty at time. The winds also moved a combine approx. 15 feet from where is was parked. The winds combined with small hail and totaled the crops. Damage amounts estimated.									
Hettinger County									
New England	03	2130MST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>NORTH DAKOTA, Central and West</u>									
Emmons County Linton	03	2230CST 2240CST	1.5	15	0	0	750K	0	Tornado (F0)
Tornado skipped through Linton, knocking down numerous trees, power lines and signs. Pieces of heavy machinery were moved around. There was extensive damage to many houses.									
Kidder County 3 S Steele	03	2310CST			0	0			Thunderstorm Wind (G60)
Strong thunderstorm winds tore down wind break shelters in fields. A pole barn was also destroyed. Damage estimated.									
Stutsman County Buchanan	04	1525CST			0	0			Thunderstorm Wind (G60)
Foster County 3 SW Grace City	11	2000CST			0	0			Hail (1.00)
Logan County Napoleon	18	2315CST			0	0			Hail (0.75)
Grant County Raleigh	20	2032MST			0	0			Hail (0.75)
<u>NORTH DAKOTA, East</u>									
Benson County 5 E Leeds	04	1545CST	0.2	20	0	0	0	0	Tornado (F0)
Grand Forks County 2 SE Emerado	16	2004CST			0	0			Hail (1.00)
Grand Forks County 1 W Grand Forks	16	2025CST			0	0			Hail (0.75)
Grand Forks County 3 W Grand Forks	16	2041CST			0	0			Hail (0.75)
Grand Forks County 5 W Grand Forks	16	2059CST			0	0			Hail (0.75)
Benson County 30 W Devils Lake	20	2300CST			0	0			Hail (0.75)
Nelson County 25 E Devils Lake	21	0020CST			0	0			Hail (0.75)
Nelson County Petersburg	21	0115CST			0	0			Hail (1.00)
Walsh County Grafton	21	0200CST			0	0			Thunderstorm Wind (G50)
Benson County 5 W Churches Ferry	21	0318CST			0	0			Hail (0.75)
Ramsey County 18 E Devils Lake	21	0340CST			0	0			Hail (0.75)
Pembina County Pembina	21	0359CST			0	0			Hail (0.75)
Grand Forks County Holmes	21	1005CST			0	0			Hail (0.75)
Richland County 6 W Wahpeton	21	1734CST			0	0			Hail (0.75)
Richland County Wahpeton	21	1753CST			0	0			Hail (1.75)
<u>OHIO, East</u>									
Tuscarawas County 3 S Strasburg	08	1330EST			0	0	2K		Thunderstorm Wind
Thunderstorm winds downed a few trees south of Strasburg.									
Monroe County 2 W Lewisville	08	1530EST 2200EST			0	0			Flash Flood
Route 78, west of Lewisville, was flooded after nearby small streams went out of their banks. Several other small streams across the county went out of their banks as well. Sunfish Creek between Cameron and Clarington went out of its banks and flooded parts of Route 78. A road near Graysville was also flooded.									
Noble County Caldwell	08	1530EST 1630EST			0	0			Flash Flood
State Route 78 was flooded in spots across the county as small streams went out of their banks.									
Coshocton County Walhonding	15	1541EST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage	Property	Crops	Character of Storm
OHIO, East										
Harrison County Hopedale	15	1555EST			0	0				Hail (1.00)
Harrison County 1 E Cadiz Jct	15	1555EST			0	0				Hail (1.00)
Harrison County Jewett	15	1606EST			0	0				Hail (1.00)
	One inch diameter hail covered the ground.									
Columbiana County Salem	15	1625EST			0	0				Hail (0.88)
Coshocton County 1 N Coshocton	15	1635EST			0	0				Hail (1.75)
Belmont County Bethesda	15	1642EST			0	0		2K		Thunderstorm Wind
	A few trees were downed by thunderstorm winds.									
Belmont County Holloway	15	1644EST			0	0		1K		Thunderstorm Wind
	A tree was downed by thunderstorm winds across a county road.									
Harrison County Bowerston	15	1700EST			0	0		2K		Thunderstorm Wind
	Some trees were downed by thunderstorm winds.									
Tuscarawas County Stone Creek	15	1705EST			0	0				Hail (0.75)
Carroll County Kilgore	15	1720EST			0	0				Hail (0.75)
Jefferson County Richmond	15	1726EST			0	0				Hail (0.75)
Harrison County Jewett	23	1620EST			0	0		2K		Thunderstorm Wind
	Thunderstorm winds downed a few trees.									
OHIO, North										
OHZ002>003-005>014-017>023-027>033-036>038-047	Fulton - Lucas - Henry - Wood - Ottawa - Sandusky - Erie - Lorain - Cuyahoga - Lake - Geauga - Ashtabula - Hancock - Seneca - Huron - Medina - Summit - Portage - Trumbull - Wyandot - Crawford - Richland - Ashland - Wayne - Stark - Mahoning - Marion - Morrow - Holmes - Knox									
	01	0000EST			0	0				Drought
	31	2359EST								
	Dry weather persisted throughout the month across northern Ohio. Rainfall averaged from a few tenths of an inch in north central and northwest Ohio to one to two inches in extreme northeast Ohio. August rainfall normally averages between three and four inches. Rainfall totals were .76 inches at Toledo Airport and .71 inches at Cleveland Airport, which rank among the five driest Augusts on record. Crops that normally mature during August were affected by the dry weather and crop losses were predicted at ten to thirty percent. The actual dollar amount of crop loss was unknown.									
Lorain County Lake Erie	01	0825EST			0	0				Waterspout
	Several waterspouts were reported offshore north of Vermilion. They did not come ashore and there was no known damage.									
Lorain County Lake Erie	01	0900EST			0	0				Waterspout
	Three waterspouts were reported offshore 1 mile north of Lorain Harbor. They did not come ashore and there was no known damage.									
Lorain County Lake Erie	02	0910EST			0	0				Waterspout
	A waterspout was reported offshore of Lorain. It did not come ashore and there was no known damage.									
Trumbull County Champion	08	1100EST			0	0		5K		Thunderstorm Wind
	Wires and a communications tower were downed at the fire department. Trees were also downed.									
Trumbull County Newton Falls	08	1140EST			0	0		2K		Thunderstorm Wind
	Large trees and numerous branches were downed.									
Stark County Alliance	08	1146EST			0	0		5K		Thunderstorm Wind
	Trees were downed, one on a house.									
Portage County Countywide	08	1200EST			0	0		25K		Lightning
	Lightning struck a number of locations countywide. The most damage was reported at the Streetsboro police station, where the radio antenna was struck, destroying computers and knocking out the 911 and other communications systems.									

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
OHIO, North									
Ashtabula County Pierpont	08	1215EST			0	0	2K		Thunderstorm Wind
	Trees and branches were downed.								
Summit County Akron	08	1215EST			0	0			Hail (0.75)
Stark County Countywide	08	1230EST			0	0	3K		Thunderstorm Wind
	Trees were downed at several locations, particularly at Canton and Alliance.								
Stark County Louisville	08	1230EST			0	0			Flash Flood
	Two inches of thunderstorm rain in one half hour caused catch basins and storm sewers to overflow and flood streets. No roads were closed, however, and the water receded quickly.								
Holmes County Salt Creek Township	08	1401EST			0	0	7.5K		Lightning
	Lightning struck a house and traveled by wire to a mobile home which suffered heavy damage.								
Geauga County Parkman	08	1500EST			0	0			Thunderstorm Wind (G50)
	Large tree limbs were downed.								
Morrow County 1 S Cardington	08	1515EST 1517EST	0.1	20	0	0	10K		Tornado (F0)
	A small tornado touched down and remained on the ground for a short time. It blew the roof off a barn and the doors off two other buildings nearby and uprooted some trees.								
Holmes County Benton	08	1615EST			0	0	1K		Thunderstorm Wind
	Trees and branches were downed on County Road 207.								
Cuyahoga County Euclid	15	1130EST			0	0	10K		Lightning
	Lightning struck a house. The resulting fire caused extensive damage.								
Summit County Twinsburg	15	1245EST			0	0			Hail (0.88)
Geauga County Southern Half	15	1250EST			0	0			Hail (1.00)
	Large hail fell at various locations, including Newbury (1.00") and Welshfield (0.75").								
Trumbull County Northwest Portion	15	1250EST			0	0			Hail (1.00)
	Large hail fell at Bloomfield (1.00") and Farmington (0.75").								
Ashtabula County Orwell	15	1250EST			0	0			Hail (1.00)
Geauga County Countywide	15	1300EST			0	0	2K		Thunderstorm Wind
	Several trees and limbs were downed.								
Richland County Butler	15	1315EST			0	0			Thunderstorm Wind (G55)
	Two large trees and some large branches were downed.								
Ashtabula County Northern Half	15	1315EST			0	0	10K		Thunderstorm Wind (G52)
	Trees were downed or damaged in several locations, including Conneaut, Monroe and Jefferson. Winds were reported gusting to 60 miles per hour in Jefferson, where one tree fell on a church.								
Medina County Chippewa Lake	15	1400EST			0	0	2K		Thunderstorm Wind
	Trees and branches were downed, some on power lines.								
Portage County Mantua	15	1400EST			0	0	2K		Thunderstorm Wind
	Trees and branches were downed, some on power lines.								
Summit County Akron	15	1400EST			0	0	2K		Thunderstorm Wind
	Trees were downed, some on power lines.								
Lake County Willoughby	15	1409EST			0	0			Hail (0.75)
Medina County Wadsworth	15	1415EST			0	0			Hail (1.00)
Lake County Kirtland	15	1420EST			0	0	2K		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
OHIO, North							
Trees and branches were downed.							
Summit County Akron	15	1425EST			0 0	40K	Lightning
Lightning struck a house and burned the third story causing extensive damage.							
Portage County Mantua	15	1425EST			0 0		Hail (0.75)
Summit County Twinsburg	15	1430EST			0 0		Hail (0.75)
Summit County Northern Half	15	1430EST			0 0	3K	Thunderstorm Wind
Numerous trees were downed especially in the Akron area.							
Cuyahoga County Solon	15	1430EST			0 0	5K	Lightning
Lightning struck City Hall, damaging the roof, computers, a sound system and other equipment							
Stark County Canton	15	1430EST			0 0	10K	Thunderstorm Wind
A large tree branch crashed through the roof of a house.							
Medina County Medina Township	15	1445EST			0 0	2K	Thunderstorm Wind
Trees were downed, some on power lines.							
Portage County Streetsboro	15	1445EST			0 0	2K	Thunderstorm Wind
Trees and branches were downed.							
Cuyahoga County Brecksville	15	1445EST			0 0	2K	Thunderstorm Wind
Trees and branches were downed.							
Ashtabula County Geneva	15	1500EST			0 0	5K	Lightning
Lightning struck a tree next to a house, possibly causing a fire that damaged the attic and second floor.							
Lake County Kirtland	15	1515EST			0 0		Hail (0.75)
Marion County Marion	15	1515EST			0 0	3K	Thunderstorm Wind
Numerous trees and power lines were downed.							
Knox County Howard	15	1600EST			0 0		Hail (0.75)
Knox County Howard	15	1600EST			0 0	2K	Thunderstorm Wind
Numerous trees and branches were downed.							
Ashtabula County Southeast Portion	20	1530EST			0 0	15K	Thunderstorm Wind
Numerous trees were downed, and camper trailers were lifted and moved at Pymatuning Lake. A trailer was blown over in Andover.							
Ashtabula County Pymatuning Lake	20	1533EST			0 0		Hail (1.00)
Geauga County Central Portion	20	1700EST			0 0	3K	Thunderstorm Wind
Trees were downed, some across roads, particularly at Munson and Chesterland.							
Cuyahoga County Cleveland	20	1715EST			0 0	10K	Lightning
Lightning struck and started three house fires.							
Cuyahoga County Cleveland Area	20	1725EST			0 0		Hail (0.75)
Large hail occurred in downtown Cleveland and the suburbs of Beachwood and Brooklyn.							
Geauga County Chardon	20	1730EST			0 0	1K	Lightning
Lightning struck a barn.							
Cuyahoga County Newburgh Heights	20	1745EST			0 0		Flash Flood
Heavy thunderstorm rain caused flooding of Interstate 77. It was closed near Fleet Avenue because of high water.							
Cuyahoga County Cleveland	20	1804EST			0 0		Thunderstorm Wind
Tree limbs were downed in the area of Memphis and Fulton Streets.							
Lake County Mentor	20	1812EST			0 0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Property	Crops	Character of Storm
OHIO, North										
Cuyahoga County Cleveland Area	20	1842EST			0	0				Hail (0.75)
	Large hail was reported at St. Alexis Hospital in Cleveland and in Warrensville Heights.									
Lake County Fairport Harbor	20	1855EST			0	0				Thunderstorm Wind (G52)
	Winds were reported gusting to 60 miles per hour.									
Cuyahoga County Solon	20	1900EST			0	0	2K			Thunderstorm Wind
	Several trees and branches were downed.									
Ashtabula County Conneaut	20	1900EST			0	0	1.5K			Lightning
	Lightning started a fire that destroyed a storage building containing a motorcycle and mowers.									
Ashtabula County Countywide	20	1900EST			0	0				Thunderstorm Wind (G50)
	Branches were downed, some on power lines.									
Cuyahoga County Maple Heights	20	1922EST			0	0				Flash Flood
	Heavy thunderstorm rain caused flooding of the underpass at Interstate 480 and Northfield Road, as well as the railroad track at McCracken and Broadway.									
Geauga County Auburn Township	20	1924EST			0	0				Hail (0.75)
Cuyahoga County Cleveland	20	2000EST			1	0				Lightning
	A girl, 10 to 13 years old was killed by a wire downed during the storms. The downed wire was not reported till 9:04 PM EDT, when the girl was found. F110U									
Geauga County Chesterland	20	2008EST			0	0	2K			Thunderstorm Wind
	Several trees were blown down, some on roads.									
Summit County Hudson	21	0130EST			0	0	10K			Lightning
	Lightning struck the town safety center and knocked out 911 service, half of the phones, the police department alarm panel, and computers.									
Cuyahoga County	22	1500EST			0	0	2K			Downburst
	In Brecksville, a section of tree tops appeared to be sheared off in a straight line during a sudden rain shower. Tree limbs littered the ground and the roof of a unit at Chippewa Creek Condominiums was damaged. A convective downburst was suspected.									
Trumbull County Warren	23	1325EST			0	0				Flash Flood
	Heavy thunderstorm rain caused flooding of streets and low lying areas.									
Wayne County Marshallville	23	1355EST			0	0	5K			Thunderstorm Wind
	Tree limbs were downed and roofs were damaged.									
Stark County Canal Fulton	23	1400EST			0	0	2K			Thunderstorm Wind
	Trees and limbs were downed.									
Portage County Randolph	23	1400EST			0	0				Lightning
	Lightning struck and injured a 15 year old boy at the Portage County Fair. He was treated for minor injuries and held overnight for observation.									
Richland County Washington Township	23	1550EST			0	0				Thunderstorm Wind (G61)
	Winds, estimated gusting to 70 miles per hour, pushed a car off a road.									
Richland County Mansfield	23	1630EST			0	0				Flash Flood
	Heavy thunderstorm rain caused flooding of roads, underpasses and low lying areas. Flooding closed the road at US 42 and US 430 and also at the intersection of US Routes 30 and 13 due to high water.									
Ashtabula County Lake Erie	30	0700EST			0	0				Waterspout
	Three waterspouts were reported five to twelve miles offshore of Fairport Harbor and Ashtabula. They did not come ashore and no damage was reported.									

OHIO, Northwest

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>OHIO, Southeast</u>									
Vinton County Zaleski	08	1400EST			0	0	2K		Thunderstorm Wind
	Large trees were downed along Route 278.								
Meigs County Langsville	08	1443EST			0	0			Hail (0.75)
Washington County Beverly	08	1515EST			0	0	2K		Thunderstorm Wind
	A few large trees were blown down in town.								
Meigs County Carpenter	15	1430EST			0	0			Hail (1.75)
Morgan County Chesterhill	15	1430EST			0	0	3K		Thunderstorm Wind
	A few trees were blown down, causing power interruptions.								
Washington County Bartlett	15	1430EST			0	0			Hail (1.00)
Athens County 2 S Athens	15	1435EST			0	0	5K		Thunderstorm Wind
	Tops of trees were ripped out and a large maple tree was toppled in the Longview Heights region. Power lines were downed.								
Athens County Amesville	15	1440EST			0	0			Hail (0.75)
Athens County Athens	15	1650EST			0	0			Hail (0.88)
Lawrence County Pedro	16	0630EST			0	0	10K		Lightning
	Lightning struck a school chimney. Bricks were thrown through windows of the gyn and nearby classrooms. Some debris traveled more than 100 feet. Luckily, the school year had not started.								
Meigs County Carpenter to Pageville	21	1900EST 2130EST			0	0	4K		Flash Flood
	Flooding occurred along Leading Creek and Mud Fork. Route 143 was blocked by flood waters. Rainfall of around 2 inches fell in less than an hour.								
Morgan County Mc Connelsville	23	1910EST			0	0	2K		Thunderstorm Wind
	Five to 10 trees were uprooted around the town.								
Meigs County Snowville	23	2000EST 2300EST			0	0	3K		Flash Flood
	The West Branch of the Shade River flooded. Route 681 was closed.								
<u>OHIO, Southwest</u>									
Licking County St Louisville	08	1110EST 1115EST			0	0			Hail (0.75)
Licking County Gratiot	08	1240EST 1245EST			0	0	3K		Thunderstorm Wind (G50)
	Numerous trees downed.								
Fayette County Washington Court Hou	08	1246EST 1250EST			0	0	5K		Thunderstorm Wind (G50)
	Numerous trees downed.								
Hocking County 4 N Logan	08	1310EST 1315EST			0	0	3K		Thunderstorm Wind (G50)
	Numerous large trees downed.								
Adams County Manchester	08	1500EST 1505EST			0	0	3K		Thunderstorm Wind (G50)
	Numerous large trees downed.								

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>OHIO, Southwest</u>									
Scioto County Lombardsville	08	1535EST 1540EST			0	0	4K		Thunderstorm Wind (G50)
		Numerous trees downed.							
Union County Magnetic Spgs	15	1330EST 1335EST			0	0			Hail (0.75)
Warren County Ridgeville	15	1405EST 1410EST			0	0	5K		Thunderstorm Wind (G50)
		Numerous trees downed.							
Hardin County Ridgeway	15	1447EST 1450EST			0	0	3K		Thunderstorm Wind (G50)
		Numerous trees downed. 0.75 inch diameter hail.							
Clinton County 5 NW Oakland	15	1455EST 1500EST			0	0	5K		Thunderstorm Wind (G50)
		Numerous trees downed.							
Logan County Belle Center	15	1500EST 1505EST			0	0			Hail (0.75)
Scioto County Minford to Rubyville	15	1515EST 1520EST			0	0	5K		Thunderstorm Wind (G50)
		Numerous trees and power lines downed.							
Delaware County Sunbury	15	1600EST 1605EST			0	0			Hail (0.88)
Scioto County Countywide	21	1500EST 1530EST			0	0	10K		Thunderstorm Wind (G60)
		Numerous trees and power lines downed. 1.00 inch diameter hail.							
Scioto County Portsmouth	21	1600EST 1700EST			0	0	15K		Flash Flood
		Numerous city roads were closed due to high water from persistent heavy rainfall. Some cars were left stranded in the high water.							
Adams County 5 E West Union	21	1800EST 1805EST			0	0	3K		Thunderstorm Wind (G50)
		Numerous trees downed. 0.75 inch diameter hail.							
Warren County Franklin to Lebanon	24	0245EST 0255EST			0	0			Thunderstorm Wind (G60)
		Numerous trees and power lines downed. Structural damage to homes occurred. Shed blown away.							
Pike County Waverly	24	0500EST			0	0	20K		Lightning
		Lightning struck a home causing a fire that damaged the garage.							
Adams County Countywide	27	1400EST 1410EST			0	0	10K		Thunderstorm Wind (G50)
		Numerous trees and power lines downed.							
Brown County Russellville	27	1445EST 1450EST			0	0	5K		Thunderstorm Wind (G50)
		Numerous trees downed.							
<u>OKLAHOMA, Extreme Southeast</u>									
		NONE REPORTED.							
<u>OKLAHOMA, Northeast</u>									
Pittsburg County 5 SE Scipio	01	1505CST 1515CST	0.1	25	0	0			Tornado (F0)
		A developing thunderstorm produced a landspout-type tornado 5 miles southeast of Scipio. The tornado touched down at 1505CST and remained on the ground until lifting at 1515CST. The tornado moved very little and caused F0 damage to trees.							
Sequoyah County Brushy	08	1730CST			0	0	0.10K		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Injured	Property	Crops	Character of Storm	
<u>OKLAHOMA, Northeast</u>										
A severe thunderstorm produced strong winds which downed a few trees in Brushy.										
Osage County Pawhuska	17	1454CST			0	1	8K		Thunderstorm Wind (G61)	
Osage County Pawhuska	17	1454CST			0	0			Hail (1.75)	
Osage County Pawhuska	17	1455CST			0	0			Hail (1.00)	
Osage County 1 SW Pawhuska	17	1455CST			0	0			Thunderstorm Wind (G65)	
Pawnee County Pawnee	17	1500CST			0	0	0.10K		Thunderstorm Wind	
Isolated severe thunderstorms developed in northeast Oklahoma during the afternoon of August 17th. Strong thunderstorm winds downed several large trees and knocked over a heavy outdoor table in Pawnee, and thunderstorm winds gusted to 70 to 80 miles an hour just southwest of Pawhuska. 70 mile an hour winds in Pawhuska downed trees up to 18 inches in diameter which blocked roads, and numerous power lines and some power poles were also blown down in Pawhuska. Windows were blown out of the Department of Human Services building in Pawhuska, and 1 person was hospitalized after his car was blown off the road in Pawhuska. Hail up to golfball size also fell in Pawhuska.										
Osage County In And Nr Pawhuska	17	1515CST 1800CST			0	1	10K		Flash Flood	
Thunderstorms produced over 6 inches of rain in Pawhuska which resulted in flash flooding. 17th Street in Pawhuska was completely flooded, and numerous streets in and around Pawhuska had major flooding with 1 to 2 feet of waters over the roadways common. 8 inches of water covered Main Street in Pawhuska, and Cemetery Road was also flooded. 2 feet of water covered the road at Lynn and 9th Streets in Pawhuska, and water entered some houses and cars in Pawhuska. 1 person was hospitalized after floodwaters caused him to lose control of his vehicle.										
Tulsa County 4 W Owasso	22	1430CST			0	0			Hail (0.88)	
Tulsa County 5 SW Owasso	22	1440CST			0	0			Hail (0.75)	
Tulsa County 5 SW Owasso	22	1445CST			0	0			Thunderstorm Wind (G54)	
A severe thunderstorm produced dime to nickel size hail 4 miles west of Owasso and dime size hail and 60 to 65 mile an hour winds 5 miles southwest of Owasso.										
<u>OKLAHOMA, Panhandle</u>										
Beaver County 2 W Forgan	01	0256CST			0	0			Hail (1.00)	
Thunderstorm over the eastern Oklahoma panhandle produced hail as reported by local fire department.										
<u>OKLAHOMA, Western, Central and Southeast</u>										
OKZ018-022-025	Kingfisher - Washita - Oklahoma									
	01	0515CST 0805CST			0	0			Summary Of August 1	
Severe thunderstorm winds in portions of western and central Oklahoma gusted to 60 mph in Okarche and resulted in some tree damage in Cordell during the morning of August 1st. Thunderstorms in Edmond also caused lightning damage later in the morning.										
Washita County Cordell	01	0520CST			0	0			Thunderstorm Wind	
Two-inch diameter limbs were blown off trees.										
Kingfisher County Okarche	01	0600CST			0	0			Thunderstorm Wind (G52)	
occurred at the Okarche Fire Department.										
Oklahoma County Edmond	01	0811CST			0	0	55K		Lightning	
Lightning struck a house, setting the attic on fire. Damage to the house and its contents was estimated at \$55,000.										
OKZ005-008-011-015- 018-022-024>025- 027>029-037-040	Woods - Kay - Major - Dewey - Kingfisher - Washita - Canadian - Oklahoma - Grady - McClain - Cleveland - Tillman - Garvin									
	02 03	2155CST 1130CST			0	0			Summary August 2-3	
Thunderstorms formed during the evening of August 2nd and lingered through midday of the 3rd. Hail as large as quarters fell southeast of Waynoka in Woods County; however, most of the damage was caused by severe thunderstorm winds.										
The most extensive damage occurred in Omega in Kingfisher County and in Okarche on the Canadian/Kingfisher County line. In both of these towns structures were destroyed along with widespread tree and power line damage.										

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Injured	Property	Crops	Character of Storm
OKLAHOMA, Western, Central and Southeast									
Other wind damage was reported in Concho and El Reno in Canadian County, in Kingfisher and Loyal in Kingfisher County, southeast of Waynoka in Woods County, in Fairview and north-northeast of Chester in Major County. Wind gusts estimated at 75 mph downed large tree limbs east of Pauls Valley in Garvin County.									
After thunderstorms repeatedly moved through central Oklahoma, flash flooding occurred in Norman in Cleveland County. Also, lightning struck and set fire to a house in Edmond in Oklahoma County.									
See following individual Storm Data entries for further details and additional reports.									
Woods County 14 NNE Camp Houston	02	2200CST			0	0			Hail (0.88)
Major County Fairview	02	2200CST			0	0			Thunderstorm Wind
Severe thunderstorm winds downed tree limbs up to 18" in diameter and snapped a light pole on Highway 60.									
Kingfisher County Loyal	02	2220CST			0	0			Thunderstorm Wind
Strong winds blew down a 2-foot diameter tree.									
Kingfisher County Loyal	02	2220CST			0	0			Hail (1.00)
Oklahoma County Oklahoma City	02	2230CST			0	0			Hail (0.75)
Kingfisher County 3 S Kingfisher	02	2235CST			0	0			Hail (1.75)
Major County 17 NNE Chester	02	2240CST			0	0	0.01K		Thunderstorm Wind
Tree limbs up to 4 inches in diameter were blown down.									
Kingfisher County Kingfisher	02	2240CST			0	0			Hail (1.00)
Mcclain County 2 W Newcastle	02	2245CST			0	0			Thunderstorm Wind (G56)
Woods County 14 SE Waynoka	02	2245CST			0	0			Hail (1.25)
Woods County 14 SE Waynoka	02	2245CST			0	0			Thunderstorm Wind
Three-inch diameter limbs were blown off trees.									
Kingfisher County Omega	02	2245CST			0	0	34K		Thunderstorm Wind
Severe thunderstorm winds destroyed 3 barns, uprooted trees, downed limbs, and blew the roof off a mobile home in Omega.									
Cleveland County Moore	02	2249CST			0	0			Hail (1.00)
Woodward County Woodward (Mesonet)	02	2250CST			0	0			Thunderstorm Wind (G50)
Canadian County Okarche	02	2300CST			0	0	130K		Thunderstorm Wind
Severe thunderstorm winds in and near Okarche brought major damage to the area. Three mobile homes were split or destroyed by severe thunderstorm winds. Also, 2 RV's and a cattle trailer were overturned. Three barns were destroyed, roofs of schools were damaged, and numerous trees were split or uprooted by the severe winds.									
Kingfisher County Kingfisher	02	2300CST			0	0			Thunderstorm Wind
Severe thunderstorm winds downed power lines and uprooted trees.									
Kingfisher County Okarche	02	2301CST			0	0			Thunderstorm Wind (G61)
Kingfisher County Okarche	02	2301CST			0	0			Hail (1.00)
Large hail broke 2 windows at the public school.									
Canadian County Concho	02	2305CST			0	0	0.75K		Thunderstorm Wind
Trees were uprooted (2-3 feet in diameter) and a fireworks stand was blown over by the strong winds.									

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Injured		Estimated Damage	Property	Crops	Character of Storm
<u>OKLAHOMA, Western, Central and Southeast</u>										
Dewey County 3 N Putnam (Mesonet)	02	2335CST			0	0				Thunderstorm Wind (G52)
Canadian County Mustang	02	2335CST			0	0				Thunderstorm Wind (G56)
Oklahoma County Edmond	02	2350CST			0	0	1.3K			Lightning
Lightning struck a house chimney, splitting the bricks and setting a fire in the attic. Damage was estimated at \$1250.										
Cleveland County Norman (Oun)	03	0000CST			0	0				Thunderstorm Wind (G53)
Measured at the NWS Forecast Office										
Canadian County El Reno	03	0010CST			0	0				Thunderstorm Wind
Severe thunderstorm winds downed trees onto power lines.										
Cleveland County Norman (Oun)	03	0025CST			0	0				Thunderstorm Wind (G52)
Measured at the NWS Forecast Office										
Garvin County 11 E Pauls Valley	03	0045CST			0	0				Thunderstorm Wind (G65)
Strong winds blew down tree limbs of 12 to 14 inch in diameter.										
Grady County 2 SSW Minco (Mesonet)	03	0100CST			0	0				Thunderstorm Wind (G57)
Grady County 2 SSW Minco (Mesonet)	03	0105CST			0	0				Thunderstorm Wind (G53)
Cleveland County Norman	03	0130CST			0	0				Flash Flood
One foot of water covered the road at the intersection of Lindsey and Crown Point.										
Tillman County 3 WNW Grandfield (Mesonet)	03	0200CST			0	0				Thunderstorm Wind (G56)
Cleveland County Norman	03	1130CST			0	0				Flash Flood
A woman attempted to drive into high water over Porter Road, not realizing how deep the water was. Her car was washed off the road by 3-foot deep flowing water. She was rescued by a police officer. This portion of Porter Road was then closed due to the high water.										
Washita County Cordell	07	1500CST			0	0				Flash Flood
Water covered US HWY 183 to a depth of 5 inches in Cordell. Streets were flooded in Cordell.										
Kay County Newkirk	07	1658CST			0	0				Hail (1.00)
OKZ008-018-024>025	Kay - Kingfisher - Canadian - Oklahoma				0	0				Summary August 7
Evening severe thunderstorms moved across portions of north-central and central Oklahoma, carrying severe, damaging winds and 3/4-inch hail. The hail was reported east of Dover in Kingfisher County. Severe wind gusts were estimated up to 70 mph in Newkirk in Kay County. Wind damage was also reported in Newkirk and northeast of Piedmont in Canadian County and west-northwest of Edmond in Oklahoma County. See following individual Storm Data entries for further information and additional reports.										
Kay County Newkirk	07	1710CST			0	0				Thunderstorm Wind (G61)
Kay County Newkirk	07	1715CST			0	0	10K			Thunderstorm Wind
The facades of the historic Roberson Building and the Newkirk Police Department were damaged by severe thunderstorm winds.										
Kingfisher County 11 E Dover	07	1944CST			0	0				Hail (0.75)
Oklahoma County 8 WNW Edmond	07	2015CST			0	0				Thunderstorm Wind
Limbs were blown off trees by severe thunderstorm winds.										
Canadian County 6 NE Piedmont	07	2100CST			0	0				Thunderstorm Wind
Three-inch diameter limbs were blown off trees.										

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm	
<u>OKLAHOMA, Western, Central and Southeast</u>										
Washita County Cordell	09	1500CST			0	0			Flash Flood	
OKZ030-041-046	Pottawatomie - Murray - Carter									
	09	1555CST 1835CST			0	0			Summary August 9	
Late afternoon thunderstorms resulted in lightning damage and flash flooding in portions of central and south-central Oklahoma. In Ardmore in Carter County one child died, indirectly as a result of a lightning strike. Lightning damage was reported northeast of Shawnee in Pottawatomie County, and major flash flooding occurred south of Davis in Turner Falls Park in Murray County.										
Pottawatomie County 2 NE Shawnee	09	1600CST			0	0	8K		Lightning	
Lightning struck and set fire to a hay barn.										
Carter County Ardmore	09	1730CST			0	0			Lightning	
Lightning knocked a power pole and lines down in a water-filled alley. A 12-year-old boy playing in the alley mistakenly thought it was a rope, reached for it under the water, and was electrocuted.										
Murray County Turner Falls	09	1835CST			0	0			Flash Flood	
Several roads in the park were covered by five feet of water.										
OKZ020-033-044-046-050	Payne - Harmon - Cotton - Carter - Love									
	10	1355CST 1945CST			0	0			Summary August 10	
Severe thunderstorms moved across portions of central and southern Oklahoma during the afternoon and evening of August 10th. Hail as large as golf balls was reported north-northeast of Hollis in Harmon County. Wind gusts were estimated to be as high as 60 mph near Randlett and Devol in Cotton County. Severe thunderstorm wind damage was reported in Stillwater in Payne County. Elsewhere in Payne County, lightning struck a house in Perkins. See following individual Storm Data entries for further details and additional reports.										
Payne County Perkins	10	1400CST			0	0	8K		Lightning	
Lightning struck a house, knocking a hole in the roof and setting a fire in the attic. Wall sockets were blown out of the wall and computers, TVs, and appliances in the house were destroyed.										
Payne County Stillwater	10	1400CST			0	0	2K		Thunderstorm Wind	
Severe thunderstorm winds blew down a portion of the canopy over the gas tanks at a new Conoco gas station.										
Cotton County 3 WSW Randlett	10	1725CST			0	0			Thunderstorm Wind (G52)	
Cotton County 3 WSW Randlett	10	1725CST			0	0			Hail (1.25)	
Cotton County 3 SE Devol	10	1740CST			0	0			Thunderstorm Wind (G52)	
Cotton County 3 SE Devol	10	1740CST			0	0			Hail (1.75)	
Carter County Springer	10	1835CST			0	0			Hail (0.88)	
Harmon County 5 NNE Hollis	10	1900CST			0	0			Hail (1.75)	
Harmon County 3 W Gould (Mesonet)	10	1900CST			0	0			Thunderstorm Wind (G50)	
Carter County Ardmore	10	1912CST			0	0			Hail (0.75)	
Harmon County Gould	10	1915CST			0	0			Hail (0.88)	
Love County Overbrook	10	1940CST			0	0			Hail (0.75)	
Jackson County 7 W Eldorado	10	1945CST			0	0	0.10K		Thunderstorm Wind	
Severe thunderstorm winds blew down tree limbs.										
OKZ015>016-022-027-033>036-039-044>045	Dewey - Custer - Washita - Grady - Harmon - Greer - Kiowa - Jackson - Stephens - Cotton - Jefferson									
	11	1350CST 1730CST			0	0			Summary August 11	
Severe thunderstorms moved across a large part of western, central, and southern Oklahoma during the afternoon of August 11th. Large hail, severe wind damage, and 2 tornados were reported.										

Storm Data and Unusual Weather Phenomena

August 1996

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

OKLAHOMA, Western, Central and Southeast

The first tornado, and F1, occurred in Walters in Cotton County and the second tornado, an F0, was spotted north of Ringling in Jefferson County.

Hail as large as golf balls fell in Dewey County in Aledo, in Custer County northwest of Custer City, and in Stephens County in Marlow and north of Duncan. In Washita County, golf ball sized hail was reported south of Canute, in Burns Flat, and in Foss. Major hail damage was also reported in Foss.

Severe thunderstorm winds as high as 84 mph were measured at the Oklahoma mesonet site east-northeast of Willow in Washita County and northwest of Martha in Jackson County.

Major wind damage was reported in Eldorado in Jackson County and in Granite in Greer County. Power poles were downed by severe winds in Duke in Jackson County and east of Comanche in Stephens County. Severe thunderstorm winds also caused significant tree damage northwest of Lone Wolf in Kiowa County and west of Dill City in Washita County.

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

Dewey County									
Aledo	11	1355CST			0	0			Hail (1.75)
Custer County									
10 NW Custer City	11	1400CST			0	0			Hail (1.75)
Custer County									
4 NW Arapaho	11	1430CST			0	0			Hail (1.00)
Washita County									
Foss	11	1430CST			0	0			Hail (1.75)
Washita County									
1 S Foss	11	1448CST			0	0			Thunderstorm Wind (G52)
Washita County									
(Csm)Sherman Arpt Cl	11	1455CST			0	0			Thunderstorm Wind (G72)
Washita County									
Burns Flat	11	1455CST			0	0	5.2K		Hail (1.75)
Over 70 glass window panes on the north side of schools in Burns Flat were broken by large hail. Hail as large as golf balls was stacked in the corners of some of the rooms. Hail also shattered the windows of houses, businesses, and automobiles, including a patrolling police car.									
Washita County									
6 S Canute	11	1510CST			0	0			Hail (1.75)
Several thousand acres of cotton were stripped bare and destroyed by large hail at least golf ball in size south of Canute and west of Burns Flat.									
Washita County									
10 ENE Willow (Mesonet)	11	1525CST			0	0			Thunderstorm Wind (G73)
Kiowa County									
12 NW Lone Wolf	11	1530CST			0	0			Thunderstorm Wind (G69)
Strong winds blew down several trees... one of which was 12 inches in diameter.									
Washita County									
10 ENE Willow (Mesonet)	11	1530CST			0	0			Thunderstorm Wind (G63)
Kiowa County									
12 NW Lone Wolf	11	1530CST			0	0			Hail (0.88)
Washita County									
2 W Dill City	11	1531CST			0	0			Thunderstorm Wind
Trees were uprooted at the intersection of State Highway 152 and State Highway 44.									
Greer County									
Altus Lake	11	1554CST			0	0			Hail (1.00)
Greer County									
1 N Granite	11	1554CST			0	0			Thunderstorm Wind (G65)
Greer County									
.2 N Granite	11	1554CST			0	0			Thunderstorm Wind (G65)
Greer County									
.2 N Granite	11	1554CST			0	0			Hail (1.00)
Greer County									
5 SE Mangum (Mesonet)	11	1605CST			0	0			Thunderstorm Wind (G65)
Jackson County									
2 NW Martha	11	1610CST			0	0			Thunderstorm Wind (G73)

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
OKLAHOMA, Western, Central and Southeast									
Greer County 5 SE Mangum (Mesonet)	11	1610CST				0	0		Thunderstorm Wind (G61)
Greer County 6 SW Mangum	11	1620CST				0	0		Hail (0.75)
Grady County 6 SE Rush Spgs	11	1620CST				0	0		Hail (1.00)
Stephens County Marlow	11	1628CST				0	0		Hail (1.75)
Jackson County Eldorado	11	1635CST				0	0	10K	Thunderstorm Wind
Severe thunderstorm winds downed tree limbs, signs, and fences around Eldorado. A carport was destroyed, several trees were uprooted, and the roofs were peeled back from a barn and a garage by the severe winds.									
Harmon County 9 NE Hollis	11	1640CST				0	0		Hail (0.75)
Jackson County Duke	11	1640CST				0	0	7.5K	Thunderstorm Wind
One mile of power poles were blown down along Highway 62.									
Greer County Granite	11	1640CST				0	0	150K	Thunderstorm Wind
Severe thunderstorm winds caused major damage in Granite. Portions of the school gymnasium's new roof were torn off and about half of the high school roof on the northeast end of the building was blown off. Damage to school properties in Granite was estimated at \$30,000. Elsewhere in Granite a convenience store roof was peeled back, a grain bin was tilted against a grain elevator, 3 power poles were downed, numerous trees were uprooted, and 59 homes in town suffered roof damage. Cotton trailers and a stock trailer were blown into yards and sheds were destroyed.									
Harmon County 3 W Gould (Mesonet)	11	1645CST				0	0		Thunderstorm Wind (G50)
Harmon County 5 E Hollis	11	1650CST				0	0		Thunderstorm Wind (G56)
Stephens County 7 NW Velma (Mesonet)	11	1650CST				0	0		Thunderstorm Wind (G58)
Stephens County 2 N Duncan	11	1700CST				0	0		Hail (1.75)
Cotton County Walters	11	1715CST	0.1	50		0	0	100K	Tornado (F1)
Power lines were blown down, roofs were blown off of 3 houses including one trailer house, a barn was blown over, and a tree was uprooted. Another house was picked up and moved 6 inches off its foundation. All of the windows in the house were broken.									
Stephens County 8.5 E Comanche	11	1730CST				0	0		Thunderstorm Wind
Power poles and trees were blown down.									
Jefferson County 5 N Ringling	11	1730CST	0.1	20		0	0		Tornado (F0)
A tornado touched down briefly. No damage was reported.									
OKZ008-013-037-045	Kay - Noble - Tillman - Jefferson	17	1225CST			0	0		Summary August 17
Thunderstorms in north-central Oklahoma produced one tornado and resulted in a lightning fire. The tornado (an F0) occurred west of Perry in Noble County and the lightning damage was reported southwest of Ponca City in Kay County.									
Other severe thunderstorms in southwest Oklahoma produced damaging winds at Waurika Lake in Jefferson County and 3/4 inch hail southwest of Frederick in Tillman County.									
See following individual Storm Data entries for further details on these events.									
Kay County 2 SW Ponca City	17	1230CST				0	0	3K	Lightning
Lightning struck a fiber glass tank, setting it on fire. Damage was estimated at \$3000.									
Noble County 2 W Perry	17	1507CST	3	50		0	0		Tornado (F0)
The Perry Fire Chief observed a tornado on the ground. No damage was reported.									
Jefferson County Waurika Lake	17	1510CST				0	0	0.50K	Thunderstorm Wind
A travel trailer and boat were blown over.									

Storm Data and Unusual Weather Phenomena

August 1996

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

OKLAHOMA, Western, Central and Southeast

Tillman County 5 SW Frederick OKZ023-045	17	1730CST			0	0			Hail (0.75)
Caddo - Jefferson 21	1530CST 1610CST				0	0			Summary August 21
Afternoon severe thunderstorms in central and south-central Oklahoma produced damaging thunderstorm winds and one tornado. The tornado (an F0) was reported northwest of Cyril in Caddo County. Major severe thunderstorm wind damage occurred in Hastings in Jefferson County. See following individual Storm Data entries for further details on these events.									
Jefferson County Hastings	21	1535CST 1605CST			0	1	20K		Thunderstorm Wind
Severe thunderstorm winds downed power lines, snapped trees, and blew the roof off a restaurant. A wall of a trailer house was also blown in, injuring the woman occupant.									
Caddo County 7 NW Cyril OKZ034-038	21	1535CST	0.1	25	0	0			Tornado (F0)
A tornado made a brief touchdown with no reported damage.									
Greer - Comanche 28	1545CST 1645CST				0	0			Summary August 28
Afternoon thunderstorms moved slowly across southwest Oklahoma, resulting in flash flooding in Greer and Comanche Counties, particularly in the Lawton area. See following individual Storm Data entries for details on these events.									
Comanche County 9 N Lawton	28	1550CST			0	0			Flash Flood
Water 2.5 feet in depth covered US HWY 281.									
Comanche County Lawton	28	1610CST			0	0			Flash Flood
Water to a depth of 3-4 feet covered some streets in town. Numerous buildings were flooded and streets were closed.									
Comanche County Lawton	28	1645CST			0	0			Flash Flood
Water to a depth as high as car windshields at intersection of 52nd and Rogers disrupted travel.									
Greer County 2.5 S Granite	28	1645CST			0	0			Flash Flood
Highway 6 was closed due to the high water.									
Kay County 3 E Blackwell	29	1620CST	0.1	20	0	0			Tornado (F0)
A landspout tornado was reported east of Blackwell. No damage was reported.									
Kay County 4 SSE Blackwell (Mesonet)	29	1630CST			0	0			Thunderstorm Wind (G53)

OREGON, Central and East

NONE REPORTED.

OREGON, Northwest

Lane County 6 N Oakridge	13 31	0330PST 2355PST			0	0			Wild/Forest Fire
On the morning of August 13th lightning triggered 37 forest fires in the Willamette National Forest near Oakridge, Oregon. These fires, known as the South Zone Complex, burned 3700 acres and smoldered for 4 weeks before being declared out on September 9.									
Lane County 17 E Oakridge	24 31	0000PST 2355PST			0	0	1.7M		Wild/Forest Fire
On August 24th lightning caused a series of forest fires, known as the Moolack Complex, in the Willamette National Forest east of Oakridge. 11,375 acres were burned with 1.7 million dollars in damage to campgrounds and timber interests. The fire smoldered for almost 2 months before it was declared out on October 16.									

OREGON, Southeast

Malheur County Juntura	26	1630PST 1730PST			0	0			Thunderstorm Wind (G60)
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Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<u>OREGON, Southeast</u>							
Malheur County Vale	26	1650PST 1800PST			0 0		Thunderstorm Wind (G60)
Malheur County Vale District	26	1730PST 1930PST			0 0		Wild/Forest Fire
Winds gusting to 60 miles an hour ripped through Southeast Oregon in Malheur county downing power lines and trees. Shingles were also blown off of several roofs. In the Vale District around 26000 acres burned due to lightning strikes.							
Malheur County 18 W Burns Jct to Burns Jct	27	1240PST 1340PST			0 0		Hail (1.75)
Malheur County 20W Burns Jct to Burns Jct	27	1400PST 1600PST			0 0		Flash Flood
West of Burns Junction golf ball size hail fell and 20 minutes later flash flooding occurred over Highway 78 causing very slick driving conditions due to remaining mud.							
<u>OREGON, Southwest</u>							
NONE REPORTED.							
<u>PACIFIC</u>							
NONE REPORTED.							
<u>PENNSYLVANIA, Central</u>							
Mckean County Port Allegany	08	1045EST			0 0		Thunderstorm Wind (G50)
Trees were downed by strong winds near Port Allegany in Liberty Township.							
Potter County Roulette	08	1155EST			0 0		Thunderstorm Wind (G50)
Trees were downed onto power lines in the Roulette area.							
Warren County 3 W Starr	08	1308EST			0 0		Thunderstorm Wind (G50)
Trees were downed by strong winds in Eldred Township near the Warren/Crawford county line.							
Mckean County Bradford	08	1415EST			0 0		Thunderstorm Wind (G50)
Trees were downed by strong winds and a tractor trailer was moved off the road along Rt. 219 near Bradford.							
Warren County Russell	08	1430EST			0 0		Flash Flood
Roads were flooded in the Russell area.							
Centre County 3 NW Port Matilda to Port Matilda	08	1530EST			0 0		Hail (0.85)
Nickle size hail was reported on Rt. 322 on the mountain northwest of Port Matilda.							
Blair County Tipton	08	1540EST			0 0		Thunderstorm Wind (G50)
Strong winds associated with a microburst downed trees in the Tipton area. Several games and rides were damaged in Bland's Park.							
Clearfield County Frenchville	08	1600EST			0 0		Thunderstorm Wind (G50)
Trees were downed by strong winds near Frenchville.							
Somerset County Somerset	08	1700EST			0 0		Thunderstorm Wind (G50)
Trees were downed onto power lines by strong winds in the Somerset area.							
Somerset County Windber	08	1720EST			0 0		Flash Flood
Road flooding was reported in Windber.							
Clearfield County Frenchville	08	1800EST			0 0		Flash Flood
Basements were flooded in Frenchville.							
Blair County Tipton	08	1915EST			0 0		Flash Flood
Roads were flooded in Tipton.							
Lancaster County Quarryville	09	1500EST			0 0		Flash Flood
Heavy rains caused flooding of roads and poor drainage across southern parts of Lancaster County.							
Fulton County Harrisonville	14	1600EST			0 0		Flash Flood

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm	
PENNSYLVANIA, Central										
	Heavy rains flooded the road south of Harrisonville.									
Warren County Akeley	15	1540EST			0	0			Thunderstorm Wind (G50)	
	Winds took down trees and power lines in Akeley.									
Centre County Stormstown	15	1640EST			0	0			Hail (0.75)	
	Dime size hail fell in Stormstown.									
Warren County Russell	15	1640EST			0	0			Thunderstorm Wind (G50)	
	Trees and power lines were downed in Russell.									
Warren County Grand Valley	15	1643EST			0	0			Flash Flood	
	Heavy rains caused road flooding in Grand Valley.									
Warren County Warren	15	1702EST			0	0			Hail (0.75)	
	Dime size hail fell in Warren.									
Elk County 3 W St Marys	15	1830EST			0	0			Thunderstorm Wind (G50)	
	Trees were blown down on Rt 120 3 miles west of St. Marys.									
McKean County Kane	15	1835EST			0	0			Thunderstorm Wind (G50)	
	Winds took down trees and power lines in Kane.									
Centre County Stormstown	15	1838EST			0	0			Hail (0.85)	
	Hail the size of nickels fell in Stormstown.									
Potter County Galeton	15	1859EST			0	0			Hail (1.75)	
	Golf ball size hail fell in Galeton.									
Tioga County Elkland	15	1929EST			0	0			Hail (0.75)	
	Dime size hail fell in Elkland.									
Huntingdon County Mt Union	15	2000EST			0	0			Thunderstorm Wind (G50)	
	Trees and wires were blown down in Mt. Union and 2 miles west of Mapleton.									
York County Red Lion	16	1730EST			0	0			Flash Flood	
	Roads flooded east of Red Lion.									
McKean County Bradford	20	2010EST			0	0			Thunderstorm Wind (G50)	
	Trees down.									
McKean County Bradford	20	2015EST			0	0			Thunderstorm Wind (G50)	
	Trees down just south of Bradford near Gates Hollow Road.									
Warren County Sheffield	20	2030EST			0	0			Thunderstorm Wind (G50)	
	Winds took down power lines and trees near Sheffield.									
Cambria County Johnstown	21	0600EST			0	0			Flash Flood	
	Heavy rains caused flooding of streets in Johnstown.									
Potter County Galeton	23	1330EST			0	0			Thunderstorm Wind (G50)	
	Trees and power lines were downed by strong winds in Galeton.									
Elk County Kersey	23	1350EST			0	0			Thunderstorm Wind (G50)	
	Strong winds downed trees in the Kersey area.									
York County York	27	1225EST			0	0			Flash Flood	
	A vehicle was stranded by high water on Richland Avenue in York as small streams and roads flooded.									
McKean County Bradford	27	1730EST			0	0			Flash Flood	
	Roads were flooded by heavy rains in Bradford.									
Elk County Kersey	28	0100EST			0	0			Flash Flood	
	Basements were flooded in Kersev.									

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Estimated Damage	Property	Crops	Character of Storm
<u>PENNSYLVANIA, Central</u>									
York County									
Dillsburg	28	1600EST			0	0			Thunderstorm Wind (G50)
Strong winds downed trees onto power lines in the Dillsburg area.									
<u>PENNSYLVANIA, East</u>									
PAZ067>069-071	Chester - Montgomery - Bucks - Philadelphia								
	12	1100EST			0	0			Heavy Rain
	13	0900EST							
A low pressure system that developed along the Gulf Coast States Monday morning the 12th moved northeast and passed through the Delmarva Peninsula the morning of the 13th. It tapped the abundant moisture over the South and consequently produced heavy rain across Southeast Pennsylvania. Rainfall totals averaged between 1 and 3 inches with the heaviest amounts falling near the Delaware River. This occurred over about a 24 hour span thus flooding was limited to poor drainage locations. Small stream flooding did occur in Delaware County. Storm totals included 2.8 inches at the Franklin Institute in Philadelphia, 2.7 inches in Wynnewood, 2.36 at the Philadelphia International Airport, 1.88 inches in Neshaminy Falls and 1.77 inches in Phoenixville.									
Delaware County									
Countywide	13	0555EST 0800EST			0	0			Flash Flood
A low pressure system that developed along the Gulf Coast States Monday morning the 12th moved northeast and passed through the Delmarva Peninsula the morning of the 13th. It tapped the abundant moisture over the South and consequently produced heavy rain across all of Delaware County. The Chester Creek in Chester reached its flood stage of 8 feet at 655 a.m. EDT; crested at 8.4 feet at 730 a.m. EDT and went below flood stage at 9 a.m. EDT. No serious injuries or property damage was reported. Storm totals in Delaware County included 2.6 inches at both Chadds Ford and Newtown Square.									
Berks County									
Western	23	2130EST			0	0			Thunderstorm Wind
A severe thunderstorm knocked down several trees across western Berks County.									
Bucks County									
Hilltown	23	2314EST			0	0			Thunderstorm Wind
A severe thunderstorm knocked over a couple of trees onto a road in Hilltown. Frequent and intense lightning caused about 15,000 homes in Bucks and Montgomery Counties to lose power. There were still 3,000 homes without power restored the afternoon of the next day.									
Philadelphia County									
Philadelphia	24	0130EST 0300EST			0	0			Flash Flood
Thunderstorms with torrential downpours dropped between 2 and 3 inches of rain within about an hour across northeastern Philadelphia and caused considerable highway and poor drainage flooding. Significant rises occurred with some of the larger streams within the city including the Wissahickon.									
<u>PENNSYLVANIA, Northeast</u>									
Susquehanna County									
Montrose	23	1500EST			0	0	5K		Thunderstorm Wind
The severe thunderstorm that produced wind damage in Broome county, New York drifted southward into Susquehanna county. Large trees were downed in Montrose.									
<u>PENNSYLVANIA, Northwest</u>									
PAZ001>003	Northern Erie - Southern Erie - Crawford								
	01	0000EST			0	0			Drought
	31	2359EST							
Dry weather persisted throughout the month across northwest Pennsylvania. Total precipitation for the month averaged from one to three inches. Average rainfall for northwest Pennsylvania is around four inches. The city of Erie in Erie County had 1.52 inches total precipitation for the month (2.54 inches less than normal). Crops that normally mature during August were affected by the dry weather and crop losses averaged around ten percent with the total dollar loss amount unknown.									
Erie County									
Lake Erie	02	0912EST			0	0			Waterspout
Waterspouts, contained within a line of showers and thunderstorms, were reported 6 miles north of Walnut Creek. They did not come ashore and there was no known damage.									
Erie County									
Wattsburg	08	1145EST			0	0	5K		Thunderstorm Wind
Trees were downed along French Creek and one tree was downed on a house.									
Crawford County									
Northern Portion	08	1430EST			0	0			Flash Flood
Heavy thunderstorm rain caused flooding of roads and low lying areas in Cambridge Springs and other areas along the Erie/Crawford county line.									
Erie County									
Edinboro	08	1623EST			0	0			Flash Flood
Heavy thunderstorm rain caused flooding of roads and low lying areas.									
Erie County									
Countywide	15	1300EST			0	0	100K		Thunderstorm Wind
Trees and branches were downed in several locations. Lake City was hit particularly hard, with numerous trees uprooted or the tops									

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm	
<u>PENNSYLVANIA, Northwest</u>										
taken off, numerous power poles, power lines, and telephone lines downed and at least ten houses damaged.										
Erie County Lake City	15	1300EST			0	0			Hail (1.00)	
Erie County Western Half	15	1330EST			0	0			Hail (1.00)	
Large hail fell in various locations, most notably at Erie (1.00") and Albion (.75").										
Erie County Western Third	15	1342EST			0	0	5K		Thunderstorm Wind (G50)	
Numerous trees and power lines were downed, especially at Gerard. A 58 mile per hour wind gust was reported at Albion.										
Crawford County Meadville	15	1438EST			0	0			Hail (0.75)	
Crawford County Countywide	15	1540EST			0	0	8K		Thunderstorm Wind	
Numerous trees and power lines were downed.										
Crawford County 10 E Meadville	15	1610EST			0	0	10K		Thunderstorm Wind	
Numerous trees were downed and a house was damaged.										
Erie County Lake Erie	17	0720EST			0	0			Waterspout	
Waterspouts were reported in the nearshore waters. They did not come ashore and there was no known damage.										
Crawford County Southwest Portion	20	1550EST			0	0	2K		Thunderstorm Wind	
Trees were downed, especially around Turnersville and Adamsville.										
<u>PENNSYLVANIA, West</u>										
Venango County Franklin	08	1310EST 1320EST			0	0	4K		Thunderstorm Wind	
A few trees and some branches were downed by thunderstorm winds across the county.										
Butler County Evans City	08	1330EST			0	0	2K		Thunderstorm Wind	
A few trees were downed by thunderstorm winds in Evans City.										
Clarion County Knox	08	1340EST			0	0	1K		Thunderstorm Wind	
Large branches were downed by thunderstorm winds.										
Clarion County Holden	08	1345EST			0	0	1K		Thunderstorm Wind	
Large limbs were downed by thunderstorm winds.										
Armstrong County Rural Vly	08	1400EST			0	0	5K		Thunderstorm Wind	
A tree fell onto a car. No injuries were reported.										
Mercer County Mercer	08	1430EST 1445EST			0	0			Flash Flood	
Several streets were flooded in Mercer.										
Beaver County Baden	08	1450EST			0	0	1K		Thunderstorm Wind	
Two trees were downed by thunderstorm winds.										
Allegheny County Bradford Woods	08	1500EST			0	0	2K		Thunderstorm Wind	
Thunderstorm winds downed a few trees.										
Allegheny County Harmerville	08	1520EST			0	0	2K		Thunderstorm Wind	
A few trees were downed by thunderstorm winds.										
Allegheny County East Mc Keesport	08	1550EST			0	1	5K		Thunderstorm Wind	
A large tree branch fell onto a car traveling along Route 30 near East McKeesport. The driver sustained a minor head injury.										
Westmoreland County Murrysville	08	1550EST 1700EST			0	0	8K		Flash Flood	
Flash floods occurred over mainly the northwest parts of Westmoreland County.										

Small streams went out of their banks and flooded parts of Route 22 in Murrysville. Some street flooding was also reported in New Kensington. A store was flooded with 2 to 3 inches of water in Lower Burrell. A basement was also flooded near Milligantown.

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
PENNSYLVANIA, West							
Allegheny County Pittsburgh	08	1600EST 2030EST			0 0	80K	Flash Flood
Major flash flooding occurred in the South Hills section of Pittsburgh, along Saw Mill Run Boulevard and Route 88, where flood waters quickly rose up to 5 feet deep. Seven cars were stranded. A nearby auto service business was flooded. Residences were evacuated and some basements were flooded along Ansonia Place as Saw Mill Run came out of its banks. A total of 20 homes were flooded and several roads closed.							
Also, a few basements were flooded in Forest Hills and Braddock. Streets were also flooded in Swissvale.							
Heavy thunderstorm rains, falling at a rate in excess of 2 inches per hour, preceded the flooding. A total of 4.80 inches of rain was recorded in the Brookline section of Pittsburgh.							
Westmoreland County Harrison City	08	1605EST			0 0	5K	Lightning
Lightning started a small attic fire in a Harrison City home.							
Allegheny County Pleasant Hills	08	1605EST			0 0	5K	Lightning
Lightning sparked a fire at a Pleasant Hills home.							
Greene County Waynesburg	08	1610EST 1720EST			0 0	5K	Flash Flood
Streets were flooded in Waynesburg and a couple of basements were also flooded.							
Westmoreland County Murrysville	08	1615EST			0 0		Hail (1.00)
Three-quarters of an inch to an inch diameter hail fell.							
Greene County Carmichaels	08	1615EST			0 0	2K	Thunderstorm Wind
A few trees were downed by thunderstorm winds.							
Westmoreland County Derry	08	1620EST			0 0	2K	Thunderstorm Wind
A few trees were downed by thunderstorm winds in Derry.							
Greene County Waynesburg	08	1620EST			0 0	2K	Thunderstorm Wind
A few trees were downed by thunderstorm winds in Waynesburg.							
Greene County Rutan	08	1620EST			0 0	2K	Thunderstorm Wind
A few trees were downed near Rutan.							
Fayette County Brownsville	08	1630EST			0 0	1K	Thunderstorm Wind
Several large limbs were downed by thunderstorm winds in Brownsville.							
Fayette County Brownsville	08	1703EST 1800EST			0 0		Flash Flood
Rainfall rates around 2 inches per hour caused extensive street flooding in Brownsville.							
Allegheny County Moon Run	14	1600EST			0 0		Hail (1.00)
Hail, 3/4 to 1 inch in diameter, fell at the Robinson Town Centre.							
Washington County Mc Donald	14	1615EST			0 0		Hail (0.75)
Washington County Mc Donald	14	1615EST			0 0	2K	Thunderstorm Wind
A few trees were downed by thunderstorm winds.							
Washington County Bulger	14	1630EST			0 0		Hail (1.00)
Hail, 3/4 to 1 inch in diameter, was ankle deep in Bulger.							
Venango County Cooperstown	15	1634EST			0 0	2K	Thunderstorm Wind
A few trees were downed by thunderstorm winds.							
Venango County Rocky Grove	15	1635EST			0 0		Hail (1.00)
Venango County 1 N Franklin	15	1641EST			0 0	6K	Hail (2.75)
Baseball size hail smashed several windows.							
Venango County Franklin	15	1650EST			0 0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage	Property	Crops	Character of Storm
<u>PENNSYLVANIA, West</u>										
Mercer County 1 E Mercer	15	1703EST			0	0				Hail (0.75)
Mercer County Grove City	15	1705EST			0	0				Hail (0.75)
Venango County Pleasantville	15	1715EST			0	0	5K			Thunderstorm Wind
Numerous trees were downed by thunderstorm winds.										
Butler County 2 N Butler	15	1730EST			0	0				Funnel Cloud
A funnel cloud was spotted just north of Butler.										
Westmoreland County Carbon	15	1853EST			0	0				Hail (0.75)
Fayette County 5 W Uniontown	15	1934EST			0	0				Hail (0.75)
Westmoreland County Jeanette	15	1941EST			0	0	2K			Thunderstorm Wind
A few trees were downed by thunderstorm winds.										
Westmoreland County Greensburg	15	1950EST			0	0	5K			Thunderstorm Wind
Thunderstorm winds downed trees and power lines in Greensburg.										
Allegheny County Mc Keesport	16	0300EST			0	0	10K			Thunderstorm Wind
Lightning blew a 1 1/2 foot hole in the roof of a home and sparked an attic fire.										
Venango County Polk	20	1833EST			0	0	2K			Thunderstorm Wind
Trees were downed by thunderstorm winds.										
Venango County Franklin	20	1843EST 1855EST			0	0	8K			Thunderstorm Wind
Thunderstorm winds downed trees, large limbs and power lines throughout Franklin.										
Indiana County Indiana	20	1905EST			0	0	5K			Thunderstorm Wind
Thunderstorm winds downed trees along Main Street in downtown Indiana.										
Indiana County Jacksonville to Clarksburg	20	2010EST 2015EST			0	0	8K			Thunderstorm Wind
Numerous trees were downed by thunderstorm winds between Jacksonville and Clarksburg.										
Indiana County Gracetown	20	2015EST			0	0	5K			Thunderstorm Wind
Thunderstorm winds downed a tree, which fell onto a mobile home.										
Indiana County Blairsville	20	2040EST 2100EST			0	0				Flash Flood
Extensive road flooding was reported along Route 22 near Blairsville.										
Indiana County Indiana	21	0415EST 0600EST			0	0	8K			Flash Flood
Marsh Run went out of its banks and flooded nearby roads in Indiana. Some roads were closed. A few basements were also flooded in Indiana.										
Indiana County 2 S Hooverhurst	23	1720EST 1820EST			0	0				Flash Flood
Route 286 was flooded after Cush Creek overflowed its banks.										
Westmoreland County Lowber to Rillton	23	1800EST 1815EST			0	0	25K			Thunderstorm Wind
Numerous trees and power lines and utility poles were downed along an area, approximately 5 miles long and 3 miles wide between Lowber and Rillton. At least 15 trees were blocking area roads.										
Westmoreland County Herminie	23	1830EST			0	0	5K			Thunderstorm Wind
Trees and power lines were downed in Sewickley Township.										
<u>PUERTO RICO</u>										
Caguas Las Piedras Gurabo Caguas to Gurabo Caguas	01	1255AST 1800AST			0	0	9K			Flash Flood

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm	
PUERTO RICO										
Heavy rains were reported in the municipality of Gurabo during the afternoon. At 1310 AST Civil Defense reported 2.20 inches of rain during the past hour, and 1.10 during the past half hour. Road 941 was reported with minor flooding problems at 1420 AST. At 1600 AST Civil Defense reported thre flooded houses at Barrio Toqui, Robles, and Hato Nuevo. At 1730 AST Civil Defense reported 5.20 inches of rain during the past two hours. The rain was so intense between 12 noon and 1400 AST that water six feet deep was in the streets. The municipality of caguas reported 4.50 inches of rain in two and half hours.										
Arecibo										
Adjuntas Ponce	01	1300AST 1800AST			0	0			Heavy Rain	
Civil Defense reported heavy rains at Adjuntas and along the slopes between Adjuntas, Ponce, Penuelas, Juana Diaz, Guayanilla, Yauco, Guanica, and San German.										
Ponce Juana Diaz										
Ponce	01	1600AST 1800AST			0	0			Flash Flood	
The Civil Defense from the Ponce municipality that two persons were washed when River Portuguese crested during the afternoon. Both persons were rescued.										
Mayaguez Anasco										
Mayaguez	02	1300AST 1800AST			0	0			Heavy Rain	
Mayaguez Civil Defense reported very heavy rains.										
Culebra										
Culebra	06	1420AST 1450AST			0	0			Waterspout	
A pilot reported a waterspout 3 miles south of Culebra.										
PRZ007										
St. Croix	11	1715AST 2300AST			0	0			Volcanic Ash	
Montserrat's volcano erupted at 1715 AST on August 11 and spewed ash which blanketed the skies across portions of the Northeast Caribbean. Volcanic ash was reported hovering over the St. Croix airport on Sunday night.										
Humacao										
Ceiba	11	1900AST 1915AST			0	0			Funnel Cloud	
The Roosevelt Roads Naval Base observer reported a funnel cloud.										
Mayaguez Anasco										
Anasco Mayaguez	12	1600AST 2000AST			0	0			Heavy Rain	
Civil Defense reported moderate to heavy rains in Mayaguez, Maricao, Las Marias, and Utuado. In Anasco road 430 was reported flooded, and roads 405 and 109 with mudslides.										
Carolina										
Trujillo Alto	14	1500AST 1800AST			0	0			Heavy Rain	
The Carraizo Water Reservoir gate 6 was opened at 6 meters.										
Caguas Las Piedras										
Caguas Gurabo	15 16	2000AST 0900AST			0	0	15K		Heavy Rain	
Civil Defense reported flooding in the Gurabo and Caguas area. At 2300 AST some houses in Caguas were reported flooded with 3-4 feet of water. Landslides were reported in Caguas, Guayama, and Canovanas. The rains continued overnight in the Caguas Gurabo area.										
Humacao										
Ceiba	16	1400AST 1430AST			0	0			Funnel Cloud	
At 1400 AST the Roosevelt Roads Naval Base observer reported a funnel cloud south of the station moving to the southwest.										
Ponce Juana Diaz										
Villalba	20	1335AST 1435AST			0	0			Hail (1.00)	
The cooperative observer at Cerro Maravilla in Villalba reported quarter size hail.										
RHODE ISLAND										
Washington County										
Block Island	24	1025EST 1040EST			0	0	750K		Thunderstorm Wind (G52)	

Storm Data and Unusual Weather Phenomena

August 1996

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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RHODE ISLAND

reports requested out of 500 boats moored on the Island. Several boats dragged their anchors in the Great Salt Pond and ended up on a mud flat. Forty-five boats were damaged by the storm, according to the local harbormaster. Damage to boats was estimated at between half a million and one million dollars.

SOUTH CAROLINA, Central

Chesterfield County

Chesterfield	03	2049EST			0	0		Flash Flood
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A severe storm produced 2 to 4 inches of rain in a three hour period in and around Chesterfield causing flash flooding along streams and in low lying areas.

Lancaster County

Lancaster	05	1545EST			0	0		Thunderstorm Wind (G50)
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A microburst from a severe thunderstorm severely damaged several buildings.

Richland County

White Rock	23	1420EST			0	0	100K	Lightning
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Lightning struck three homes in the White Rock area causing a total of \$104K in damage.

Aiken County

New Ellenton	23	1505EST			0	0		Thunderstorm Wind (G50)
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A severe thunderstorm blew down powerlines in New Ellenton and Midland Valley as reported the utility companies.

Aiken County

Midland Valley	23	1510EST			0	0		Thunderstorm Wind (G50)
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Aiken County

Aiken	23	1515EST			0	0		Thunderstorm Wind (G50)
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Orangeburg County

5 N Orangeburg to 5 NW Orangeburg	25	1815EST			0	0		Thunderstorm Wind (G50)
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A severe thunderstorm took down trees and powerlines across northern Orangeburg county.

Orangeburg County

Orangeburg	25	1830EST			0	0	200K	0	Lightning
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EPD director reported a church was severely damaged by a fire caused by lightning.

Lexington County

5 NE Lexington	25	1900EST			0	0			Thunderstorm Wind (G50)
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A microburst took down trees in northeast Lexington county.

SOUTH CAROLINA, North Coastal

Marlboro County

2 W Bennettsville to 2 E Bennettsville	03	1900EST 2200EST			1	0	100K		Flash Flood
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Between 3 and 6 inches of rain fell, inundating streets. The most water long-time residents had ever seen. County 911 center was flooded as city drainage system was overwhelmed. A motorist was killed when his vehicle hit a large puddle overturned in a ditch and he lost control. M51VE

Florence County

Florence	18	1855EST			0	0			Lightning
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Lightning struck a tree on McQueen St, which fell onto a house. No injuries.

Florence County

Florence to Lake City	18	1935EST 2230EST			0	0	200K		Flash Flood
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Thunderstorm rain caused flooding deeper than pickup truck beds in Florence, and caused stalled cars and swamped businesses on Main Street in Lake City.

Georgetown County

Sampit to Plantersville	25	1100EST 1730EST			0	0	50K		Lightning
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Lightning caused scattered power and telephone outages. Power outages continued all afternoon, reported along Highways 701 and 521. Phone and cable service outages were more widespread during the late afternoon, although Waccamaw Neck was spared.

Horry County

Conway to Longs	26	1218EST 1245EST			0	0			Hail (0.75)
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Thunderstorms dropped hail during the afternoon, and lightning caused scattered power outages in North Myrtle Beach and Aynor after sundown.

Horry County

Surfside Beach	27	1800EST 2230EST			0	0	200K		Flash Flood
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Up to 8 inches of rain began falling during the late afternoon from coastal thunderstorms. Standing water 4 feet deep in the Woodlake Village and Jamestown communities of Surfside Beach forced a boat rescue from a house. Also, lightning did damage to homes and caused scattered power outages.

Georgetown County

Murrells Inlet	27	1815EST 2230EST			0	0	100K		Flash Flood
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Torrential rain from afternoon thunderstorms measured nearly 8 inches and caused windshield-deep water at the Inlet Square Mall.

Storm Data and Unusual Weather Phenomena

August 1996

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

SOUTH CAROLINA, North Coastal

Flooding from nearly 8 inches of afternoon thunderstorm rain caused windshield-deep water in a short time at the Inlet Square Mall.

SOUTH CAROLINA, Northwest

Greenville County

Greenville	02	1930EST 2130EST			0	0				Flash Flood
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A near stationary thunderstorm complex dumped an estimated 4 to 6 inches of rain on Westside Greenville. A mobile home park was flooded and cars were stalled in flood water on White Horse Road and Interstate 85.

Spartanburg County

Woodruff	05	1230EST 1240EST			0	0				Thunderstorm Wind (G50)
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A severe thunderstorm blew down some trees.

Greenwood County

Greenwood Co Arpt	22	1730EST 1750EST			0	0	75K			Thunderstorm Wind (G50)
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Greenwood County

Greenwood Co Arpt	22	1730EST 1745EST			0	0				Hail (0.88)
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Greenwood County

Greenwood	22	1800EST 1820EST			0	0				Thunderstorm Wind (G50)
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Abbeville County

Calhoun Falls to Mac Arthurs Jct	22	1830EST 1915EST			0	0				Thunderstorm Wind (G50)
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Severe thunderstorms swept across Greenwood county. At the airport two planes were flipped over, a mobile home was blown over and other damage occurred. In the city numerous trees and power lines were downed-some onto houses. Excessive rain caused severe urban flooding which in turn caused at least one motorist to become trapped in a car. Other cars stalled in the flood water. Scattered trees were blown down across Abbeville county.

Greenwood County

Greenwood	22	1830EST 1900EST			0	0				Flash Flood
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Greenville County

Simpsonville	24	1600EST 1620EST			0	0				Hail (0.88)
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Greenville County

6 E Simpsonville	24	1610EST 1630EST			0	0	10K			Thunderstorm Wind (G50)
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Greenwood County

Greenwood	24	1815EST 1840EST			0	0				Thunderstorm Wind (G50)
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A severe thunderstorm developed over Simpsonville and moved east. The steeple of Clear Spring church was damaged, numerous trees were downed or snapped off and some cars were damaged by fallen trees or limbs. In Greenwood numerous trees and power lines were downed.

Greenville County

Judson to 2 W Greenville	27	2100EST 2210EST			0	0				Flash Flood
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About 4 inches of rainfall, according to a public report, fell in a short time causing flash flooding along several streams in the Judson, Dunean and other west Greenville neighborhoods. Near Memorial Hospital a stream flooded 13 homes causing some damage. The water rose very rapidly and flooding in a small area was reported to be worse than the flooding in August 1995. Cars stalled in water on several streets.

SOUTH CAROLINA, South Coastal

Charleston County

1 E Isle Of Palms to 4 NE Isle Of Palms	05	0820EST 0835EST			0	0				Waterspout
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Three waterspouts observed east of the Isle of Palms.

Beaufort County

Hilton Head Is	06	1000EST			0	1				Lightning
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A woman was shocked by lightning while talking on an outside pay phone.

Charleston County

8 ESE Charleston to 10 E Charleston	11	1529EST 1539EST			0	0				Waterspout
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Harbor Pilot sighted waterspout near Buoy Charley.

Beaufort County

Bluffton	14	1645EST			0	0	40K			Lightning
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Lightning struck a single-wide mobile home causing total destruction. No one was home at the time.

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage	Property	Crops	Character of Storm
SOUTH CAROLINA, South Coastal										
SCZ049>050	Southern Colleton - Charleston									
	31	1000EST 2300EST			0	0				Hurricane
Hurricane Edourd move northward across the Atlantic Ocean, a couple of hundred miles east of the South Carolina coast causing minor beach erosion along coastal areas of Charleston and Colleton counties.										
SOUTH DAKOTA, Central and North										
Sully County										
18 W Onida	01	1815CST			0	0				Hail (0.75)
Hughes County										
35 E Pierre	01	1855CST			0	0				Hail (1.50)
Sully County										
20 W Onida	01	1855CST			0	0				Hail (1.75)
Lyman County										
9 N Reliance	01	1915CST			0	0				Hail (0.75)
Lyman County										
Kennebec	01	1940CST			0	0				Hail (1.75)
SDZ009	Walworth									
	02	2230CST 2245CST			0	0				High Wind (G50)
Winds of 40 to 45 mph gusting to 58 mph occurred in Mobridge as a result of a strong meoshigh produced earlier by thunderstorms in North Dakota.										
Mcperson County										
8 E Leola	02	2240CST			0	0				Hail (0.75)
Walworth County										
Mobridge	03	2120CST			0	0				Thunderstorm Wind (G78)
Winds to 90 mph uprooted and damaged many trees in Mobridge. Several power lines and poles were downed from trees falling onto them resulting in several hours of power outages. The roofs of two buildings were blown off while other roofs received some damage. Windows were broken out of eight vehicles at the South Dakota Department of Transportation from gravel blown from a stockpile.										
Walworth County										
(Y26)Mobridge Arpt	03	2122CST			0	0				Thunderstorm Wind (G54)
Corson County										
Mc Laughlin	03	2123CST			0	0				Thunderstorm Wind (G50)
Edmunds County										
Bowdle	03	2145CST			0	0				Thunderstorm Wind (G61)
Winds to 70 mph downed a large tree in Bowdle.										
Faulk County										
Miranda	03	2145CST			0	0				Thunderstorm Wind (G54)
Mcperson County										
10 NE Eureka to 10.3 NE Eureka	03	2155CST 2158CST	0.3	10	0	0				Tornado (F0)
A narrow path tornado destroyed a machine shed, damaged some farm machinery, downed several trees in a shelter belt, and pushed a 2X6 into the ground. Path length and width were estimated.										
Campbell County										
Herreid	03	2200CST			0	0				Thunderstorm Wind (G78)
Winds to 90 mph inflicted heavy damage to a barn, peeling the metal off the south wall and the roof. A few pole barn roofs recieved severe damage with a steel grain bin blown over. Both doors on the concrete elevator in Herreid were blown out. Several large trees and large branches were downed along with some power outages.										
Campbell County										
Pollock	03	2204CST 2206CST	0.3	10	0	0				Tornado (F0)
A narrow path tornado damaged some roofs in Pollock, downed several trees and large branches, and blew a hot tub enclosure into the side of a home. Path length and width were estimated.										
Walworth County										
Glenham	03	2215CST			0	0				Thunderstorm Wind (G70)
Winds to 80 mph in Glenham blew a cattle trailer over, damaged a roof, and downed several trees.										
Walworth County										
Selby	03	2215CST			0	0				Thunderstorm Wind (G78)
Winds to 90 mph in Selby blew a hog confinement shed over, downed some power lines and trees. The Walworth county implement building was destroyed and the Hilltop Motel roof received a substantial amount of damage.										
Marshall County										
Britton	04	0932CST			0	0				Thunderstorm Wind (G61)
Clark County										
3 NW Carpenter	06	1900CST			0	0				Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>SOUTH DAKOTA, Central and North</u>									
Codington County 1 E Watertown	10	1705CST			0	0			Hail (1.75)
Walworth County Mobridge	19	0018CST			0	0			Thunderstorm Wind (G52)
Walworth County Mobridge	19	0036CST			0	0			Thunderstorm Wind (G60)
Corson County Wakpala	19	0100CST			0	0			Thunderstorm Wind (G78)
Winds to 90 mph blew the roof of a church in Wakpala and blew half the roof off the post office.									
Day County 1.5 N Butler	21	1732CST			0	0			Hail (1.75)
Day County 2 W Webster	21	1747CST			0	0			Hail (0.75)
Day County Webster	21	1800CST			0	0			Hail (0.88)
Day County 2 E Webster	21	1835CST			0	0			Hail (0.75)
Grant County Big Stone City	21	1945CST			0	0			Thunderstorm Wind (G70)
Winds to 80 mph in Big Stone City downed some trees and power lines, destroyed a shed, and lifted a garage roof off and set it back down.									
Grant County Big Stone City	21	1945CST			0	0			Hail (0.75)
Codington County 11 N Watertown	21	2000CST			0	0			Hail (0.75)
Dime sized hail damaged many acres of corn 11 miles north of Watertown.									
Codington County 4 S Wallace	25	2138CST			0	0			Hail (1.00)
Hyde County 15 N Highmore	29	1720CST			0	0			Thunderstorm Wind (G52)
<u>SOUTH DAKOTA, Southeast</u>									
Gregory County 5 N Dixon	01	2030CST			0	0			Hail (0.75)
Turner County 5 S Chancellor	04	0615CST			0	0			Thunderstorm Wind (G52)
Thunderstorm winds tore the roof off of a farm building.									
Lincoln County 4 SW Worthing	04	0635CST			0	0			Thunderstorm Wind (G52)
Thunderstorm winds damaged a corn crop.									
Gregory County 1 NW Herrick to 3 E Herrick	04	2025CST 2035CST			0	0			Hail (0.75)
Charles Mix County 7 N Lake Andes to 9 NE Lake Andes	04	2130CST			0	0			Hail (0.88)
Hail caused an unknown amount of crop damage over a path 1.5 miles wide and 5 miles long.									
Charles Mix County Wagner to 12 S Dante	06	1650CST 1700CST			0	0		500K	Hail (1.75)
Hail damaged crops with the heaviest damage occurring in a strip 2 miles wide and 6 miles long southeast of Wagner. Several crops were affected with soybeans and sunflowers judged to have suffered the most damage.									
Bon Homme County Avon	06	1700CST			0	0			Hail (1.75)
Davison County Loomis to 2 NE Loomis	06	1700CST 1705CST			0	0			Hail (1.00)
Bon Homme County Springfield to Tabor	06	1710CST 1745CST			0	0		50K	Thunderstorm Wind (G53)
Thunderstorm winds caused tree and power line damage.									
Bon Homme County 5 NW Springfield to 5 NE Springfield	06	1715CST 1740CST			0	0			Hail (0.75)
Hail damaged corn and bean crops.									

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>SOUTH DAKOTA, Southeast</u>									
Mccook County 5 N Spencer	06	1727CST			0	0			Hail (0.75)
Sanborn County 15 SE Forestburg	06	1736CST			0	0			Thunderstorm Wind (G61)
Thunderstorm winds caused tree damage.									
Davison County 5 W Loomis	06	1740CST			0	0			Hail (0.75)
Miner County 1 E Canova	06	1740CST			0	0			Thunderstorm Wind (G65)
Thunderstorm winds moved a garage off of its foundation.									
Lake County Madison	06	1750CST 1810CST			0	0	20K		Thunderstorm Wind (G53)
Thunderstorm winds caused damage to numerous trees in Madison.									
Sanborn County 1 N Letcher	06	1800CST			0	0			Hail (1.75)
Minnehaha County 2.5 SE Colton	06	1802CST			0	0	10K		Thunderstorm Wind (G60)
Thunderstorm winds destroyed a windmill, uprooted a large tree and caused other tree damage, and tipped over silage wagons.									
Bon Homme County 6 S Tyndall	06	1809CST			0	0			Hail (1.75)
Douglas County Armour	06	1820CST			0	0			Thunderstorm Wind (G65)
Thunderstorm winds damaged trees.									
Yankton County 4.5 SW Lesterville	06	1825CST			0	0			Hail (0.75)
Minnehaha County 1 S Colton	06	1826CST 1828CST	0.1	20	0	0	5K		Tornado (F0)
A tornado damaged several trees and pushed an unanchored mobile home off of its foundation.									
Bon Homme County Springfield	06	1830CST 1835CST			0	0	10K		Lightning
Lightning caused small fires in two houses, and directly damaged a television and CB radio in one of the houses.									
Beadle County Huron	06	1833CST			0	0			Hail (0.75)
Hutchinson County Parkston	06	1845CST			0	0	50K		Thunderstorm Wind (G75)
Thunderstorm winds caused tree and power line damage.									
Lincoln County Sioux Falls	06	1850CST			0	0			Thunderstorm Wind (G50)
Thunderstorm winds caused tree damage.									
Brookings County 4 SE Aurora to 4.1 SE Aurora	06	1854CST 1857CST	0.2	70	0	0	200K		Tornado (F1)
A tornado heavily damaged a farm. The house and adjacent garage and some contents were damaged, a hay barn and dog kennel were destroyed, and damage occurred to other farm buildings and to trees.									
Yankton County 7 W Yankton to Yankton	06	1900CST 1920CST			0	0	200K		Thunderstorm Wind (G55)
Thunderstorm winds damaged trees and power lines. Two campers were blown over and other damage to vehicles occurred from tree debris, including a mobile home heavily damaged by a falling tree in Yankton.									
Miner County Canova	06	1900CST			0	0			Thunderstorm Wind (G61)
Thunderstorm winds caused crop damage.									
Brookings County Elkton	06	1900CST			0	0			Thunderstorm Wind (G50)
Thunderstorm winds damaged trees, power lines, and some small farm buildings.									
Yankton County Yankton	06	1915CST 1925CST			0	0			Hail (0.75)
Lincoln County Sioux Falls	06	1945CST			0	0			Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996		
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm			
<u>SOUTH DAKOTA, Southeast</u>												
Minnehaha County Sioux Falls	06	1945CST 2000CST			0	0	50K		Thunderstorm Wind (G52)			
Thunderstorm winds damaged trees, power lines, and a twin home under construction.												
Moody County 8 SE Flandreau	10	1550CST			0	0			Hail (0.75)			
<u>SOUTH DAKOTA, West</u>												
Tripp County Winner	01	1945MST 1948MS T			0	0			Hail (0.75)			
Tripp County 15 SW Winner	01	1945MST 1950MS T			0	0			Hail (1.75)			
Three cars severely damaged.												
Butte County 35 NE Belle Fourche	02	1735MST 1740MS T			0	0			Hail (1.75)			
Butte County 5 S Redig to 10 S Redig	02	1745MST 1748MS T			0	0			Hail (1.75)			
Shannon County Oglala	02	1815MST 1818MS T			0	0			Hail (1.75)			
Numerous cars damaged.												
Lawrence County Lead	09	1415MST			0	0			Hail (1.75)			
Lawrence County Deadwood	09	1415MST			0	0			Hail (0.75)			
Custer County Custer State Park	09	1425MST			0	0			Hail (0.75)			
Harding County Buffalo	09	1448MST 1450MS T			0	0			Thunderstorm Wind (G54)			
Lawrence County 10 SE Lead to 20 SE Lead	09	1505MST			0	0			Hail (0.75)			
1 1/2 to 4 inches of dime size hail covered the ground from Roubaix Lake southeast to Trout Haven.												
Pennington County 4 S Rochford	09	1510MST 1515MS T			0	0			Hail (1.00)			
One inch hail covered the ground. The temperature dropped 34 degrees in one hour--from 82 to 48 degrees.												
Harding County 10 W Buffalo	09	1515MST 1530MS T			0	0			Hail (1.75)			
Custer County Custer	09	1515MST			0	0			Hail (0.75)			
Custer County Pringle	09	1515MST			0	0			Hail (0.75)			
Custer County Wind Cave	09	1600MST 1603MS T			0	0			Hail (0.75)			
Fall River County Hot Spgs	09	1600MST 1603MS T			0	0			Hail (0.75)			
Lawrence County 12 S Pluma	09	1600MST			0	0			Hail (1.00)			

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm	
<u>SOUTH DAKOTA, West</u>										
			One inch hail was six to eight inches deep on roads.							
Pennington County 3 SE Deerfield	09	1610MST 1612MS T			0	0			Hail (0.75)	
Butte County Hoover	09	1720MST 1723MS T			0	0			Thunderstorm Wind (G70)	
			An 80 mph wind gust blew out numerous windows, removed portions of two steel roofs, damaged a corral, and stripped branches off trees.							
Pennington County Rapid City	09	1734MST 1800MS T			0	1			Thunderstorm Wind (G62)	
			Thunderstorm winds blew down a tent at the Central States Fair, injuring one person, and numerous trees throughout town.							
Meade County Union Center	09	1745MST 1747MS T			0	0			Thunderstorm Wind (G61)	
			A 70 mph wind gust stripped branches from trees.							
Pennington County Deerfield	14	1200MST 1205MS T			0	0			Hail (0.88)	
<u>TENNESSEE, Central</u>										
			NONE REPORTED.							
<u>TENNESSEE, East</u>										
Sullivan County Bristol	07	1445EST 1515EST			0	0		5K	Thunderstorm Wind	
			Numerous trees and powerlines were downed.							
Knox County Knoxville	08	1831EST			0	0		2K	Thunderstorm Wind	
			A tree blew down across Sunset Road.							
Sevier County 10 E Sevierville	08	1845EST 1915EST			0	0			Flash Flood	
			Heavy thunderstorms flooded or washed out several county roads.							
Sevier County 10 E Sevierville	08	1900EST			0	0		2K	Thunderstorm Wind	
			A tree blew down across Thomas Loop Road							
Hamilton County Red Bank to Hixon	11	2015EST 2215EST			0	0	2M		Flash Flood	
			Heavy rain fell within a few hours on ground already saturated from previous rains. Seventy-seven homes, twnty siz businesses, four public buildings, and three churches were heavily damaged in the Chattanooga suburbs of Red Bank and Hixson. Many people had to be evacuated to emergency shelters. Numerous streets were flooded stranding cars and motorists.							
Washington County 5 W Jonesboro	17	1640EST			0	0	15K	2K	Thunderstorm Wind	
			A barn and numerous trees were blown down.							
Morgan County Lancing	18	1452EST			0	0	10K	2K	Thunderstorm Wind	
			A few trees were downed near lancing. A tree fell onto a power line near Clear Creek.							
Polk County Delano	19	1555EST			0	0			Hail (1.75)	
Polk County Central Portion	19	1600EST			0	0		5K	Thunderstorm Wind	
			Trees blew down in the Cherokee National Forest.							
Morgan County Wartburg	22	1430EST			0	0	15K	5K	Thunderstorm Wind	
			Numerous trees belw down causing roads to be blocked. A tree fell onto a house damaging the living room.							

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
TENNESSEE, East									
Morgan County Wartburg	24	1230EST			0	0		5K	Thunderstorm Wind
Numerous trees were blown down.									
Anderson County Andersonville	24	1310EST 1350EST			0	0	25K	5K	Thunderstorm Wind
Numerous trees and powerlines were knocked down countywide. A tree fell onto the Andersonville Elementary School damaging the roof.									
Knox County East Part	24	1330EST 1350EST			0	0	35K	10K	Thunderstorm Wind
Numerous trees were downed countywide. A house was damaged by a falling tree. Several houses caught on fire from lightning strikes. Six cows were killed by lightning off of Washington Pike in the eastern part of the county.									
Roane County Countywide	24	1337EST			0	0		5K	Thunderstorm Wind
Numerous trees and powerlines were knocked down countywide.									
Rhea County 5 NE Spring City	24	1420EST			0	0		2K	Thunderstorm Wind
A tree blew down across Rocky Springs Road.									
Carter County Elizabethton	24	1420EST			0	0		1K	Thunderstorm Wind
A tree blew down across a driveway.									
Campbell County Countywide	24	1430EST 1630EST			0	0			Flash Flood
Heavy rains from thunderstorms flooded streets and caused nine people to be evacuated or rescued from rising waters.									
Polk County Benton	24	1515EST			0	0	5K		Thunderstorm Wind
Telephone lines were blown down across a road.									
Bradley County Countywide	24	1530EST			0	0	15K	10K	Thunderstorm Wind
Numerous trees were downed countywide. A barn was blown down onto cattle in the northern part of the county.									
Hamilton County Collegedale	26	1605EST			0	0		5K	Thunderstorm Wind
A few trees and powerlines were blown down in the southeastern part of the county.									
Loudon County Lenoir City	26	1620EST			0	0			Hail (0.75)
Roane County Kingston	26	1620EST			0	0			Hail (0.75)
Loudon County Dixie Lee Jct	26	1626EST			0	0		5K	Thunderstorm Wind
Trees were downed on highway 70 near Dixie Lee Junction.									
Bradley County Cleveland	26	1630EST			0	0			Hail (0.75)
Knox County Western	26	1645EST			0	0			Hail (0.75)
Polk County Ocoee	26	1650EST			0	0			Hail (1.75)
Polk County Benton	26	1715EST			0	0		2K	Thunderstorm Wind
A tree blew down near Benton.									
Anderson County Northeast Part to Northeast	27	1805EST 1825EST			0	0		5K	Thunderstorm Wind
Powerlines were downed in the northeast part of the county.									
Campbell County Southeast Part	27	1815EST 1828EST			0	0	3K	2K	Thunderstorm Wind
A tree and powerlines were downed in the southeast part of the county.									
TENNESSEE, West									
Weakley County Martin	07	1500CST 1505CST			0	0	1K		Thunderstorm Wind
A few large trees were knocked down.									

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
TENNESSEE, West									
Shelby County Memphis	19	1640CST 1645CST			0	0	0.10K		Hail (1.00)
TEXAS, Central									
Tom Green County San Angelo Res	05	1619CST			0	0	50K	0	Thunderstorm Wind
Tree limbs were blown down and roofs blown off buildings in north San Angelo.									
Shackelford County Albany to 10 E Albany	11	2012CST 2015CST			0	0	50K	0	Thunderstorm Wind (G52)
Winds overturned a cattle trailer and cattle were loose on the road. An oncoming vehicle struck the cattle resulting in injuries.									
Callahan County Pueblo	11	2045CST			0	0			Thunderstorm Wind (G52)
Fisher County Sylvester	17	1430CST			0	0			Hail (0.75)
Taylor County Merkel	28	1645CST 1745CST			0	0	100K	0	Flash Flood
Four to five inches of rain fell over parts of Nolan and Taylor counties the afternoon and evening of the 28th. Streets were flooded in the city of Sweetwater. In the city of Abilene, feeder roads to Interstate 20 were flooded. Water rescues were necessary on Interstate 20 service roads in eastern Nolan and western Taylor counties.									
Nolan County Sweetwater	28	1645CST 1745CST			0	0			Flash Flood
Runnels County 13 NE Winters	28	1850CST 1920CST			0	0	50K	0	Flash Flood
Two to three feet of water covered a county road six miles south of Lawn.									
Tom Green County Knickerbocker	28	2015CST 2315CST			0	0	50K	0	Flash Flood
In Tom Green County, Farm-to-Market Road 2335 was closed. In Irion County, a foot of water covered Arden Road and Highway 67.									
Irion County 13 NNE Mertzon	28	2015CST 2315CST			0	0	50K	0	Flash Flood
Kimble County Junction	29	0430CST 0900CST			0	0	100K	0	Flash Flood
Heavy rainfall in Kimble County resulted in flash flooding and a 15 foot rise on the North Llano River. A campground was evacuated due to the rising water. Elsewhere in the county, six feet of water was over the roads and highways.									
Tom Green County Christoval	29	0730CST 1200CST			0	0	200K	0	Flash Flood
Thunderstorms developed during the night of August 28th over the Concho Valley and became stationary over Irion and southern Tom Green counties through the 29th. Rainfall amounts of around six to seven inches occurred to the south of San Angelo in Christoval and to the west of San Angelo in Mertzon.									
The runoff from the heavy rainfall resulted in flash flooding along streams and the headwaters of Spring Creek and Dove Creek. Residents along the Spring Creek in Mertzon were evacuated as the water flooded a few homes. Meanwhile at Dove Creek near Knickerbocker (Tom Green County), water up to a foot deep entered a house located on the banks of the creek.									
Irion County Mertzon	29	0730CST 1200CST			0	0	500K	0	Flash Flood
Schleicher County 10 NNE Eldorado	29	0830CST 1200CST			0	0	50K	0	Flash Flood
Two to five inches of rain in Schleicher and Menard counties caused some flash flooding. Highway 277 south of Christoval in northern Schleicher County was closed due to the rise on the South Concho River.									
Menard County Menard	29	0830CST 1200CST			0	0	50K	0	Flash Flood
TXZ071>072	Irion - Tom Green								
	29	1100CST			0	0			Flood
	30	1300CST							
On August 29th, moderate flooding occurred in the Concho River basin along Spring Creek, Dove Creek, Middle Concho River and									

Storm Data and Unusual Weather Phenomena

August 1996

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

the South Concho River. Flooding of a few houses occurred at the headwaters of Spring Creek in the town of Mertzon, and one house was flooded along Dove Creek at the site of the river gage near the town of Knickerbocker. Foster Park, located at the river gage site on Spring Creek near Tankersley, was also flooded. The river rose to just a foot below the park pavilion. At Dove Creek at Knickerbocker, the crest was 20.1 feet (bankfull stage is 14 feet). The Middle Concho River above Tankersley reached a crest of 24.3 feet (flood stage is 18 feet) and flooded a few roads.

The flooding quickly subsided on the evening of August 29th as water rushed into the Twin Buttes Reservoir in southwest San Angelo. The amount of water in the reservoir rose from near 22,000 acre feet to 60,280 acre feet as the height rose 18 feet. This water was a welcomed sight to residents of the Concho Valley, as the drought this year had left lakes and reservoirs very low.

TXZ053

Mitchell

29 1430CST
30 0000CST

0 0

Flood

Four to six inches of rain over southeast Mitchell County on August 28th caused minor flooding on the Colorado River at Colorado City. The river crested at 8.5 feet (flood stage is eight feet).

TEXAS, Central Southeast

Polk County

Ern County

09 1700CST

0 0

5K

Thunderstorm Wind

Trees blown down in eastern parts of the county.

Polk County

Livingston

09 1700CST

0 0

5K

Hail (0.75)

Montgomery County

2 W Conroe

09 1733CST

0 0

5K

Hail (0.75)

Montgomery County

Cut And Shoot

09 1800CST

0 0

2K

Thunderstorm Wind

Car blown off HWY 105.

Harris County

5 S Tomball

10 1744CST

0 0

5K

Thunderstorm Wind (G50)

Harris County

Houston

10 1925CST

0 0

5K

Thunderstorm Wind

Trees blown down. Key map 374M.

Harris County

Houston

10 1930CST

0 0

5K

Thunderstorm Wind

Trees blown down. Key map 453W.

Harris County

Houston

10 1933CST

0 0

5K

Thunderstorm Wind

Trees blown down near the medical center and also at 4000 S. Sheppard and HWY 59.

Brazos County

Bryan

11 1528CST

0 0

5K

Hail (0.75)

Brazos County

College Station

11 1528CST

0 0

5K

Hail (0.75)

Montgomery County

Conroe

11 1630CST

0 0

5K

Thunderstorm Wind

Trees blown down on Cherry Street.

Harris County

Houston

12 1340CST

0 0

15K

Thunderstorm Wind

2 cars blown into bayou at Westlake and Memorial.

Harris County

Addicks

12 1340CST

0 0

5K

Thunderstorm Wind

Wind bent stop sign post at I-10 and HWY 6.

Harris County

Addicks

12 1400CST

0 0

5K

Hail (0.75)

Harris County

Houston

12 1451CST

0 0

30K

Thunderstorm Wind

Church under construction blown down at Clay Rd. and Eldridge.

Austin County

Wallis

12 1530CST

0 0

10K

Hail (1.75)

Harris County

Katy

12 1612CST

0 0

5K

Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage	Property	Crops	Character of Storm
<u>TEXAS, Central Southeast</u>										
Polk County 2 E Segno	12	1700CST				0	0	5K		Hail (0.75)
Wharton County El Campo	12	1730CST 1732CST	0.5	50	0	0	40K			Tornado (F0)
Pierce DPS reported eyewitness who saw tornado on the west side of El Campo. Power lines were blown down, small buildings blown over, and boats overturned.										
Jackson County 6 SE Speaks	12	1820CST 1822CST	0.5	50	0	0	0			Tornado (F0)
Public report of a tornado. No reports of injuries/damage.										
Galveston County Texas City	12	2315CST				0	0	5K		Thunderstorm Wind (G50)
Coast Guard reported 50 kt winds at the Texas City Dike.										
Wharton County Glen Flora	13	1752CST				0	0	5K		Hail (0.75)
Waller County 5 N Brookshire	19	1230CST				0	0	5K		Thunderstorm Wind
Trees blown down at FM 362 just south of Rosco Rd.										
Fort Bend County Pecan Hill	19	1240CST				0	0	15K		Thunderstorm Wind
Powerlines/billboards blown down in the Pecan Hill area near FM 359 and US ALT 90.										
Harris County Houston	19	1243CST				0	0	5K		Hail (0.75)
3/4" hail at I-10 and Campbell.										
Harris County South Houston	19	1320CST				0	0	50K		Thunderstorm Wind
Roof blown off lumber company and flagpole blown down in South Houston.										
Montgomery County Woodlands	19	1425CST				0	0	5K		Thunderstorm Wind
Trees uprooted and blown down at FM 1488 and 242 near the Woodlands.										
Liberty County Liberty	19	1427CST				0	0	5K		Hail (0.75)
Liberty County Dayton	19	1503CST				0	0	5K		Hail (0.75)
Trinity County Lake Livingston	20	1310CST				1	0			Lightning
Boater struck and killed by lightning on Lake Livingston. ??IW										
Harris County Houston	26	1225CST				0	0	5K		Hail (0.75)
3/4" hail near Hookes Airport.										
Chambers County Smith Pt	29	0934CST 0935CST				0	0			Waterspout
Liberty County Nrn County	29	1443CST				0	0	5K		Hail (0.75)
3/4" hail between Cleveland and Romayer.										
Galveston County Dickinson	30	1325CST 1600CST				0	0			Flash Flood
4-7 inches of rain in a short period of time caused feeder roads and other low lying roads to flood.										
<u>TEXAS, Extreme West</u>										
El Paso County 15 E (Elp)El Paso Intl Ar	28	2000MST 2130MS T				0	0			Urban/Sml Stream Fld
Thunderstorms, about 15 miles east of the El Paso International Airport, produced heavy rain. One road was closed and another sustained severe damage. Two homes also received minor flooding.										
<u>TEXAS, Mid - South</u>										
Goliad County Goliad	13	1730CST				0	0			Hail (0.75)
Large trees blown down.										

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage	Property	Crops	Character of Storm
TEXAS, Mid - South										
Victoria County 3 SE Victoria Regl Arpt	14	1355CST				0	0			Thunderstorm Wind (G50)
			Large tree limbs down.							
Nueces County 8 W Driscoll	14	1525CST				0	0			Hail (0.75)
Goliad County Goliad	14	1525CST				0	0			Hail (0.75)
			Large trees downed.							
Jim Wells County 8 E Alice	14	1530CST				0	0			Hail (0.75)
Bee County Beeville	14	1605CST				0	0			Hail (0.75)
			Large trees downed.							
Live Oak County George West	14	1652CST				0	0			Hail (0.75)
			Roof blown off trailer on County Road 321 east of Highway 59.							
Live Oak County George West	14	1700CST				0	0			Thunderstorm Wind (G50)
			Several large trees blown down, barn roof blown off, and substantial mobile home damage.							
Duval County Freer	14	1720CST				0	0			Thunderstorm Wind (G50)
			Large trees blown down.							
Bee County Skidmore	24	1755CST				0	0			Thunderstorm Wind (G50)
			Large tree limbs broken.							
Bee County Skidmore	24	1815CST 2030CST				0	0			Flash Flood
			High water across sections of Highway 359.							
Bee County Tynan	24	1900CST 2000CST				0	0			Flash Flood
			Four to six inches of rain reported in Skidmore and Tynan with street flooding.							
Webb County Laredo	25	1800CST 2000CST				0	0			Flash Flood
			Six to eight inches of water over sections of Highway 83 near Laredo.							
La Salle County 5 N Cotulla	30	0245CST 0430CST				0	0			Flash Flood
			Four to six inches of water across the access roads of Highway 81 near Cotulla.							
Webb County Laredo	30	0645CST 0830CST				0	0			Flash Flood
			Three to five inches of water across sections of Interstate 35 and Highway 59 near Laredo.							
Webb County Laredo	30	0900CST 1030CST				0	0			Flash Flood
			Four to six inches of water across Interstate 35 and Highway 59 east of Laredo with roads closed.							
Webb County Laredo	31	1800CST 2000CST				0	0			Flash Flood
			Portions of Highway 83 flooded.							
TEXAS, North										
TXZ091>095-098>107-115>123-129>135-141>148-156>162-174>175	Montague - Cooke - Grayson - Fannin - Lamar - Haskell - Throckmorton - Young - Jack - Wise - Denton - Collin - Hunt - Delta - Hopkins - Stephens - Palo Pinto - Parker - Tarrant - Dallas - Rockwall - Kaufman - Van Zandt - Rains - Eastland - Erath - Hood - Somervell - Johnson - Ellis - Henderson - Comanche - Mills - Hamilton - Bosque - Hill - Navarro - Freestone - Anderson - Lampasas - Coryell - Bell - McLennan - Falls - Limestone - Leon - Milam - Robertson									
	01	0000CST				0	0			Drought
	31	2300CST								

Storm Data and Unusual Weather Phenomena

August 1996

		Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	August 1996	
Location	Date				Killed	Injured	Property	Crops	Character of Storm
<u>TEXAS, North</u>									
scattered thunderstorm activity during the first three weeks of the month became much more widespread by the month's end. A cold front pushed into the area and became stationary with moist and unstable air already in place across the region. The heavy rain threat was enhanced by weak steering winds aloft (resulting in slow cell movement and training of cells along boundaries) and the influx of tropical moisture from Hurricane Dolly that made landfall in Mexico. Many locations in northern Texas received above average rainfall amounts during the month with the Waco area receiving its seventh wettest August of all time and the Dallas/Fort Worth area receiving its eighth wettest August of all time. The heavy rain that the area received at the end of the month combined with scattered activity that affected northern Texas the past several months had pretty much alleviated the agricultural drought as ample soil moisture returned. Below normal lake and reservoir levels continued, however, and interests relying on this remained stressed.									
Parker County 6 S Aledo	02	1435CST			0	0			Thunderstorm Wind (G52)
Johnson County 5 NW Godley	02	1435CST			0	0			Thunderstorm Wind (G52)
Van Zandt County 4 N Edom	02	1758CST			0	0			Thunderstorm Wind (G52)
A tree was blown down by strong winds on Highway 314.									
Van Zandt County Ben Wheeler	08	1330CST 1335CST			1	0			Lightning
Lightning struck a tree and killed a man taking shelter under it. M68UT									
Tarrant County Mansfield	09	1300CST 1305CST			0	0			Lightning
Lightning started a fire at a plastic recycling plant.									
McLennan County West	09	1330CST			0	0			Thunderstorm Wind
Trees were uprooted by strong winds.									
Montague County Ringgold	11	1830CST			0	0			Thunderstorm Wind (G52)
Montague County Stoneburg	11	1845CST			0	0			Hail (1.00)
Cooke County Gainesville	11	1849CST			0	0			Thunderstorm Wind (G52)
Cooke County Gainesville	11	1851CST			0	0			Thunderstorm Wind (G57)
Fannin County Leonard	11	1900CST			0	0	15K		Thunderstorm Wind
Trees were blown down and a roof was partially removed from a home.									
Montague County Bowie	11	1905CST			0	0			Thunderstorm Wind (G52)
Jack County Antelope	11	1905CST			0	0			Hail (0.75)
Grayson County Gunter	11	1910CST			0	0			Thunderstorm Wind (G65)
Grayson County Whitesboro	11	1910CST			0	0			Thunderstorm Wind (G52)
Denton County Bolivar	11	1917CST			0	0			Hail (0.75)
Young County Olney	11	1920CST			0	0			Thunderstorm Wind (G52)
Young County Olney	11	1920CST			0	0	10K		Thunderstorm Wind (G61)
High winds blew down trees and some structural damage occurred.									
Haskell County O'Brien	11	1920CST			0	0	2K		Thunderstorm Wind
Trees and power lines were blown down by high winds.									
Denton County Denton	11	1930CST			0	0			Thunderstorm Wind (G52)
Denton County Denton	11	1930CST			0	0	20K		Thunderstorm Wind (G67)
Trees were blown down onto roads and signs were knocked down. A building under construction at Texas Woman's University was damaged and the roof of a mobile home was removed by high winds.									
Denton County Denton	11	1930CST			0	0	1M		Thunderstorm Wind (G61)
A marketing research company had its roof removed by strong winds. Heavy rain penetrated the building through the damaged roof									

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
TEXAS, North							
							and damaged or destroyed all the equipment inside including computer equipment and other electronic machines. Trees and power lines were also blown down by high winds.
Denton County Denton	11	1938CST			0 0		Hail (1.50)
Throckmorton County Throckmorton	11	1938CST			0 0		Thunderstorm Wind
							Trees were blown down by high winds.
Denton County 4 E Lewisville	11	1940CST			0 0		Thunderstorm Wind
							A tree was uprooted by high winds in The Colony.
Collin County Plano	11	1950CST			0 0	2K	Thunderstorm Wind
							Power lines were blown down by high winds.
Dallas County Addison	11	2001CST			0 0		Thunderstorm Wind (G65)
							Wind gusts to 75 mph were measured at the Addison Airport.
Stephens County Crystal Falls	11	2010CST			0 0		Hail (1.75)
Stephens County 5 N Caddo	11	2010CST			0 0		Hail (1.25)
Stephens County 5 N Caddo	11	2010CST			0 0		Thunderstorm Wind (G65)
							High winds uprooted trees.
Collin County Fairview	11	2014CST			0 0	2K	Thunderstorm Wind
							Trees and power lines were blown down by high winds.
Collin County Wylie	11	2014CST			0 0	2K	Thunderstorm Wind
							Trees and power lines were blown down by high winds.
Dallas County Dallas	11	2020CST			0 0		Thunderstorm Wind (G61)
							Large trees were snapped at the base by high winds.
Stephens County Breckenridge	11	2020CST			0 0	100K	Thunderstorm Wind (G70)
							Trees and power lines were blown down by high winds. The roof was blown off a business and trees fell onto four homes.
Stephens County Breckenridge	11	2020CST			0 0		Hail (1.50)
Stephens County Caddo	11	2020CST			0 0	2K	Thunderstorm Wind (G65)
							Trees were uprooted and power lines were blown down by high winds.
Dallas County Dallas	11	2030CST			0 0		Thunderstorm Wind (G61)
Eastland County Cisco	11	2105CST			0 0		Hail (1.00)
Erath County Morgan Mill	16	0745CST 1000CST			0 0		Flash Flood
							Excessive rain, possibly as much as 5.50 inches in an hour, caused flooding of roads and low crossings.
Erath County Stephenville	16	1000CST 1100CST			0 0		Flash Flood
							Several county roads continued to be flooded from earlier rains.
Throckmorton County Woodson	17	1550CST			0 0		Hail (1.00)
Parker County Weatherford	28	0700CST 0900CST			0 0		Flash Flood

An early season cold front moved into northern Texas at the end of the month and became stationary across the area for several days. A moist and unstable airmass was already in place and the addition of the low level focusing mechanism resulted in widespread thunderstorm activity during the afternoon through early night hours. The threat of heavy rain was increased by the influx of tropical moisture from Hurricane Dolly that made landfall on the 23rd in Mexico. Slow cell movement and cell training along boundaries also increased the threat of heavy rain. The last five days of the month brought some areas of northern Texas up to nine inches of rain and numerous flooding problems. The Waco area received its seventh wettest August of all time while the Dallas/Fort Worth area received its eighth wettest August of all time. The flash flood threat shifted across the area from day to day based on where low level mesoscale convergence boundaries (both outflow boundaries and the weak front) settled after convective dissipation.

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm	
<u>TEXAS, North</u>										
									during the night.	
									Several roads were flooded throughout the county by excessive rains.	
Cooke County Valley View	28	0730CST 0900CST			0	0			Flash Flood	
									Localized flooding was reported in the southeastern portion of town.	
Palo Pinto County Possum Kingdom Lake	28	0804CST 0930CST			0	0			Flash Flood	
									Highway 16 was flooded by excessive rain.	
Comanche County De Leon	28	1430CST 1530CST			0	0			Flash Flood	
									High water was reported over several roads in town.	
Eastland County Ranger	28	1453CST 1600CST			0	0			Flash Flood	
									A cooperative observer reported 5.80 inches of rain in 6 hours. Streets were flooded in town.	
Palo Pinto County Mineral Wells	28	1500CST 1700CST			0	0			Flash Flood	
									Several roads were reported flooded throughout the county.	
Comanche County De Leon	28	1530CST 1700CST			0	0			Flash Flood	
									Highway 6 and Highway 16 were flooded.	
Palo Pinto County Graford	28	1605CST 1730CST			0	0			Flash Flood	
									Highway 254 was flooded.	
Eastland County Rising Star	28	2235CST 2345CST			0	0			Flash Flood	
									A creek came out of its banks and flooded College Street.	
Comanche County Sipe Spgs	28 29	2355CST 0112CST			0	0			Flash Flood	
									Farm-to-Market Road 587 west of town was closed due to high water.	
Eastland County Rising Star	29	0010CST 0140CST			0	0			Flash Flood	
									Portions of Highway 36 and 183 were closed due to water two feet deep over the roadway.	
Comanche County Sipe Spgs	29	0112CST 0458CST			0	0			Flash Flood	
									Farm-to-Market Road 587 and Highway 36 remained closed due to high water. These roads remained closed through 0458CST and Highway 16 was later closed also.	
Navarro County Corsicana	29	0229CST 0330CST			0	0			Flash Flood	
									I-45 frontage roads were under water.	
Mills County Priddy	29	0510CST 0700CST			0	0			Flash Flood	
									Farm-to-Market Road 218 was washed out.	
Navarro County Corsicana	29	0817CST 0930CST			0	0			Flash Flood	
									Streets were closed due to high water.	
Bell County Killeen	29	1025CST 1130CST			0	0			Flash Flood	
									Roads were flooded by excessive rain.	
Bell County Troy	29	1045CST 1220CST			0	0			Flash Flood	
									Roads were flooded by excessive rain.	

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm	August 1996
TEXAS, North										
Bosque County Walnut Spgs	29	1100CST 2000CST			0	0			Flash Flood	
			Farm-to-Market Road 927 was closed for more than 9 hours.							
Bosque County Cranfills Gap	29	2048CST 2210CST			0	0			Flash Flood	
			Highway 22 was reported to be extremely hazardous with deep water over the roadway.							
Hamilton County 6 SE Whiteway	29	2204CST 2330CST			0	0			Flash Flood	
			Several roads were reported flooded throughout the county.							
Johnson County Cleburne	29	2325CST 2350CST			0	0			Flash Flood	
			Several roads throughout the county were closed due to high water.							
Johnson County Cleburne	29	2340CST 2350CST			0	0			Flash Flood	
			Several roads in town were closed due to high water.							
Coryell County 5 N Gatesville	30	0001CST 0100CST			0	0			Flash Flood	
			Highway 36 was closed due to high water.							
Hamilton County 5 S Lanham	30	0045CST 0300CST			0	0			Flash Flood	
			A county road south of town was flooded.							
Coryell County Gatesville	30	0050CST 0300CST			0	0			Flash Flood	
			Numerous roads throughout the county were reported flooded.							
Hood County 4 S Granbury	30	0245CST 0345CST			0	0			Flash Flood	
			Highway 144 south of town was flooded.							
Johnson County Parker	30	0320CST 0430CST			0	0			Flash Flood	
			Flooding was reported in and around town.							
Hood County 8 SE Tolar to 8 S Tolar	30	0515CST 0700CST			0	0			Flash Flood	
			Several roads were under water in and around town.							
Johnson County Cleburne	30	0617CST 0900CST			0	0			Flash Flood	
			Several county roads continue to have flood problems throughout the county.							
Coryell County 5 E Gatesville	30	0649CST 0800CST			0	0			Flash Flood	
			Roads were reported flooded by the public.							
Coryell County Gatesville	30	0815CST 1000CST			0	0			Flash Flood	
			Several farm-to-market roads were reported barricaded due to high water.							
Wise County Decatur	31	1320CST 1500CST			0	0			Flash Flood	
			Heavy rain caused several streets to become flooded in town.							
Wise County Decatur	31	1420CST 1600CST			0	0			Flash Flood	
			Heavy rain resulted in flooding that closed Highway 287. Water was up to the hoods of vehicles.							
Parker County 4 N Weatherford	31	1439CST 1600CST			0	0			Flash Flood	
			Water was reported to be bumper deep on Highway 920 north of town and portions of the road were closed.							

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage	Property	Crops	Character of Storm
<u>TEXAS, North</u>										
Parker County Weatherford	31	1500CST			0	0	2K			Thunderstorm Wind
			Trees and power lines were blown down by high winds.							
Parker County Weatherford	31	1500CST 1700CST			0	0	100K			Flash Flood
			Homes were flooded by high water on the west side of town.							
Tarrant County Azle	31	1520CST 1630CST			0	0				Flash Flood
			High water over the road caused several cars to stall.							
Bosque County Walnut Spgs	31	1530CST			0	0				Thunderstorm Wind
			Trees were blown down by high winds.							
Bosque County Walnut Spgs	31	1530CST 1700CST			0	0				Flash Flood
			Farm-to-Market Road 203 was closed with two feet of water reported over it.							
Parker County Weatherford	31	1535CST 1730CST			0	0				Flash Flood
			Roads were closed in town due to high water.							
Tarrant County Ft Worth	31	1535CST 1730CST			0	0				Flash Flood
			North Main Street was closed by high water.							
Tarrant County Euless	31	1600CST 1800CST			0	0	40K			Lightning
			Lightning started a damaging house fire.							
Somervell County 8 SW Glen Rose	31	1600CST 1800CST			0	0				Flash Flood
			Three feet of water was reported over county road 2008.							
Dallas County Dallas	31	1600CST 1700CST			0	0				Flash Flood
			Several roads were closed due to flooding.							
Johnson County Cleburne	31	1730CST 1830CST			0	0				Flash Flood
			Several roads were closed due to high water.							
McLennan County Crawford	31	1730CST 1830CST			0	0				Flash Flood
			Roads were flooded by heavy rain.							
McLennan County Moody	31	1730CST 1830CST			0	0				Flash Flood
			Roads were flooded by heavy rain.							
Falls County North Prairie	31	1810CST 1910CST			0	0				Flash Flood
			Roads were flooded in and around town.							
McLennan County Bruceville	31	1815CST 1915CST			0	0				Flash Flood
			Up to a foot of water covered the service road near the intersection of I-35 and Highway 7.							
<u>TEXAS, North Panhandle</u>										
Hutchinson County Sanford	04	1820CST			0	0				Thunderstorm Wind (G52)
Hutchinson County 5 N Borger	04	1820CST			0	0				Thunderstorm Wind (G52)
Hutchinson County 5 N Borger	04	1833CST			0	0				Hail (0.88)
			Thunderstorms over the central Texas panhandle produced high winds and hail as reported by storm spotters and emergency coordinator.							

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
TEXAS, North Panhandle									
Randall County Canyon	07	1541CST			0	0			Thunderstorm Wind (G52)
Randall County Canyon	07	1546CST			0	0			Thunderstorm Wind (G56)
Armstrong County 2 W Claude	07	1548CST			0	0			Hail (0.88)
Potter County Amarillo	07	1600CST			0	0			Thunderstorm Wind (G56)
Potter County 10 NE Amarillo	07	1603CST			0	0	50K		Thunderstorm Wind (G61)
Potter County Amarillo	07	1605CST			0	0			Hail (0.75)
Carson County Panhandle	07	1653CST			0	0			Thunderstorm Wind (G52)
Gray County Lefors	07	1810CST			0	0			Thunderstorm Wind (G52)
Hutchinson County 2 N Borger	07	1833CST			0	0			Hail (0.88)
Donley County Hedley	07	2025CST			0	0	20K		Thunderstorm Wind (G56)
	Thunderstorms across the central and southeast Texas panhandle produced hail and damaging winds as reported by sheriff's office and public. In northeast Amarillo thunderstorm winds damaged outbuildings and power lines. In Hedley a barn roof was blown off and several power lines were down.								
Potter County 2 W Amarillo	09	1810CST			0	0			Hail (0.75)
	Thunderstorm over south-central Texas panhandle produced hail as reported by spotters.								
Wheeler County 10 SW Wheeler	10	1723CST 1725CST	0.5	50	0	0			Tornado (F0)
	Thunderstorm over the eastern Texas panhandle produced a brief tornado as reported by sheriff's office and fire department.								
Randall County 2 S Amarillo	19	1437CST			0	0			Hail (0.75)
Randall County 2 S Amarillo	19	1440CST			0	0			Thunderstorm Wind (G52)
Potter County Amarillo	19	1442CST			0	0			Hail (0.75)
Randall County Amarillo	19	1444CST			0	0			Tstm Wind/Hail
	Thunderstorm produced 52 knot winds along with the hail as reported by the public.								
Randall County Amarillo	19	1451CST			0	0			Hail (0.75)
	Thunderstorms across the south-central Texas panhandle produced high winds and hail as reported by the public and Department of Public Safety.								
Randall County 2 N Happy	26	1600CST 1730CST			0	0			Flash Flood
	Thunderstorms produced heavy rainfall and flash flooding which closed down Interstate 27 due to a foot of water covering the highway as reported by storm spotters.								
Randall County Umbarger	28	1205CST 1207CST	0.2	10	0	0			Tornado (F0)
	Brief tornado touchdown in open country as reported by sheriff's office.								
Randall County 10 SSW Amarillo	28	1230CST 1232CST	0.2	10	0	0			Tornado (F0)
	Brief tornado touchdown in open country at Farm to Market Road 2219 and Interstate 27 as reported by Department of Public Safety.								
Donley County Clarendon	28	1630CST			0	0			Flash Flood
	Thunderstorms over the southeast Texas panhandle produced heavy rainfall and flash flooding as the southbound lane of U.S. Highway 287 closed due to water covering the road as reported by off duty National Weather Service employee.								
Dallam County Dalhart	30	1747CST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm	
<u>TEXAS, North Panhandle</u>										
Dallam County Dalhart	30	1751CST			0	0			Hail (0.88)	
Hartley County 2 SE Dalhart	30	1755CST			0	0			Hail (1.00)	
Hartley County Hartley	30	1850CST			0	0			Hail (1.75)	
Thunderstorms across the northwest Texas panhandle produced hail as reported by television meteorologists and emergency management officials.										
<u>TEXAS, Northeast</u>										
Gregg County Kilgore	06	1645CST			0	0			Thunderstorm Wind (G40)	
Winds blew a playground roof off a local McDonalds into the adjacent parking lot damaging three cars.										
Sabine County Pineland	09	1600CST			0	0	10K		Thunderstorm Wind (G50)	
Winds blew a roof off a building adjoining a water treatment plant.										
<u>TEXAS, South</u>										
Zapata County 5 SE Zapata to 20 SE Zapata	13	1800CST 2300CST			0	0			Heavy Rain	
Zapata County 5 SE Zapata to 20 SE Zapata	13	1800CST 2300CST			0	0			Heavy Rain	
Widespread 5-7 inch amounts.										
Zapata County 5 SE San Ygnacio	13	1830CST 1845CST			0	0			Tstm Wind/Hail	
Cameron County Boca Chica Beach to Padre Island	22 24	0600CST 1200CST			0	0			Coastal Flooding	
Cameron County 1.5 NE Olmito to 1 W Rancho Viejo	23	0630CST 0640CST	5	30	0	0			Tornado (F0)	
Cameron County 1 S La Feria	24	1105CST 1110CST	0.2	20	0	0			Tornado (F0)	
Cameron County Rio Hondo	31	1330CST 1340CST			0	0			Thunderstorm Wind (G60)	
5-6 inch tree limbs blown down.										
Cameron County Brownsville	31	1400CST 1445CST			0	0			Thunderstorm Wind (G60)	
Large tree limbs and power lines down.										
<u>TEXAS, South Central</u>										
TXZ171>173-183-185>194-202>209-217>225-228	Llano - Burnet - Williamson - Val Verde - Real - Kerr - Bandera - Gillespie - Kendall - Blanco - Hays - Travis - Bastrop - Lee - Kinney - Uvalde - Medina - Bexar - Comal - Guadalupe - Caldwell - Fayette - Maverick - Zavala - Frio - Atascosa - Wilson - Karnes - Gonzales - De Witt - Lavaca - Dimmit									
	01 31	0001CST 2359CST			0	0	20M	40M	Drought	
Drought persisted through August across South Central Texas. Monthly damages are based on the estimated annual loss to agriculture across all of Texas through this year. Property damages do not include business or commercial revenue losses.										
Val Verde County Lake Amistad	05	2000CST 2010CST			0	0			Thunderstorm Wind (G54)	
Williamson County Taylor	08	1905CST 1910CST			0	0			Hail (1.00)	
Travis County Manor	12	2000CST			0	1	0	0	Lightning	
A man and his mother were talking under a covered porch with a third person in Manor when lightning struck a tree some 20 feet away. The lightning bolt apparently was deflected from the tree to the man, striking him in the chest and exiting his groin, then striking his mother in the foot. The man suffered third degree burns, but his mother was treated at the scene. The third person was not injured.										

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
TEXAS, South Central									
Zavala County 16 S Sabinal	13	1635CST 1645CST			0	0	10K	0	Thunderstorm Wind
Widespread wind damage was reported 16 miles south of Sabinal. Power poles were knocked over and large tree limbs were broken off.									
Lavaca County Shiner	13	1816CST 1820CST			0	0			Hail (1.00)
Comal County Fisher	14	1435CST 1440CST			0	0	10K	0	Hail (1.50)
Comal County 5 SE Fisher	14	1448CST 1455CST			0	0			Hail (0.75)
Hays County San Marcos	14	1505CST 1515CST			0	0	20K	0	Thunderstorm Wind
High winds destroyed two buildings under construction.									
Hays County San Marcos	14	1525CST 1530CST			0	0			Thunderstorm Wind (G51)
Hays County San Marcos	14	1545CST 1550CST			0	0			Hail (0.75)
Atascosa County Poteet	14	1745CST 1750CST			0	0	10K	0	Thunderstorm Wind
Trees and power lines were knocked down.									
Atascosa County Charlotte	14	1805CST 1810CST			0	0	10K	0	Thunderstorm Wind
LARGE LIMBS WERE KNOCKED OFF TREES.									
Atascosa County 3 N Campbellton	20	1540CST 1545CST			0	1	30K	0	Thunderstorm Wind
A mobile home was blown over and destroyed. One woman was in the mobile home at the time of the event and was injured.									
Atascosa County Pleasanton	20	1630CST 1640CST			0	0	10K	0	Thunderstorm Wind
Gusts estimated near 60 mph near Pleasanton blew down numerous large tree limbs.									
Frio County 3 W Moore	20	1742CST 1750CST			0	0	50K	0	Thunderstorm Wind
A tractor trailer rig was blown over by severe winds.									
Travis County North Austin	24	1030CST 1100CST			0	0	10K	0	Flash Flood
Between 3 and 4 inches of rain in less than 1 hour produced short-lived flooding in northern Austin.									
Travis County Austin	24	1130CST 1400CST			0	0	30K	0	Flash Flood
Additional heavy rain across the city of Austin redeveloped flash flooding over much of the city.									
Zavala County Crystal City	24	1700CST 1800CST			0	0	10K	0	Flash Flood
Numerous roads and streets were flooded in and around Crystal City as up to 4 inches of rain fell in 2 hours.									
Real County Northern Part	29	0115CST 0300CST			0	0	20K	0	Flash Flood
Heavy rainfall of up to 4 inches in 2 hours produced flash flooding over the northern half of the county.									
Atascosa County Countywide	29	2100CST 2200CST			0	0	10K	0	Flash Flood
Heavy rainfall caused brief flash flooding across much of the county.									
Atascosa County Countywide	29 30	2230CST 0100CST			0	0	20K	0	Flash Flood
A second round of heavy rain redeveloped flash flooding across much of Atascosa County.									

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
<u>TEXAS, South Central</u>									
Val Verde County Del Rio	30	0300CST 0400CST			0	0	3K	0	Flash Flood
2 to 3 inch rainfall near Del Rio caused brief flash flooding.									
Williamson County Countywide	31	2000CST 2030CST			0	0	5K	0	Flash Flood
Brief flash flooding resulted from 2 inches of rain in less than 1 hour that flooded roads across the county. One woman was trapped in her car in high water but was rescued uninjured.									
Travis County Lake Travis	31	2050CST 2100CST			0	0	5K	0	Thunderstorm Wind
Winds estimated at 60 mph damaged trees and roofs at Lake Travis.									
<u>TEXAS, South Panhandle</u>									
Cochran County 2 N Morton	07	1550CST 1552CST			0	0	0	10K	Hail (0.75)
The Cochran County Sheriff's Office reported dime-size hail 2 miles north of Morton at 1550 CST.									
Swisher County 8 E Tulia	16	0125CST 0300CST			0	0	0	0	Flash Flood
The Tulia Police Department reported flooding along Highway 86 east of Tulia.									
Lynn County 5 W Tahoka	24	1130CST 1230CST			0	0	0	0	Flash Flood
The Lynn County Sheriff's Office reported flooding of U.S. 380 west of Tahoka. The public reported flooded roads in and around New Home in the northwest part of the county.									
Castro County 10 NW Dimmitt	26	1650CST 1830CST			0	0	0		Flash Flood
The Castro County Sheriff's Office reported FM 1055 was flooded in the north west part of the county.									
Crosby County 15 SE Crosbyton	28	1015CST 1300CST			0	0			Flash Flood
Dickens County 14 SSW Dickens	28	1015CST 1300CST			0	0			Flash Flood
Garza County 4 NE Post	28	1200CST 1330CST			0	0			Flash Flood
Hale County Hale Center	28	1245CST 1430CST			0	0			Flash Flood
Lubbock County 1 W New Deal	28	1245CST 1400CST			0	0			Flash Flood
Kent County 21 W Jayton	28	1330CST 1800CST			0	0			Flash Flood
Lynn County 5 N Tahoka	28	1430CST 1600CST			0	0			Flash Flood
Very heavy rains of up to 5 inches flooded roads in parts of Crosby, Dickens, Lynn, Garza, and Kent Counties on the 28th. These rains were from the remnants of former Hurricane Dolly.									
<u>TEXAS, Southeast</u>									
Jefferson County 5 NW Beaumont	12	2040CST			0	0	5K		Thunderstorm Wind
Numerous trees and power lines were blown down 5 miles northwest of Beaumont.									
Jefferson County Beaumont	12	2100CST 2130CST			0	1	10K		Lightning
As many as 9,000 lightning strikes this evening resulted in one man injured, one house fire, and several telephone poles damaged.									

Storm Data and Unusual Weather Phenomena

August 1996

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

TEXAS, West

TXZ045>048-050>052-058>063-067>070-074>075-079>082 **Gaines - Dawson - Borden - Scurry - Andrews - Martin - Howard - Reeves County And Upper Trans Pecos - Loving - Winkler - Ector - Midland - Glasscock - Ward - Crane - Upton - Reagan - Davis Mountains - Pecos - Presidio Valley - Marfa Plateau - Big Bend Area - Terrell**

01 0000CST 0 0 12.6M 189.7 Drought
22 1200CST M

Toward the latter part of August plentiful rains were at last falling over all of the area. This pattern was started by the tropical plume that brought Hurricane Dolly westward through the Bay of Campeche to near Tampico, Mexico, across the Central America to where she dissipated in the eastern North Pacific. Although Dolly was over 1000 miles south of the area, this same plume of deep, tropical moisture locked over Southwest Texas and rained over much of the area on a daily basis through the end of the month.

Since a drought is a very loosely defined phenomenon, there is no explicit beginning or end, but for the purposes of Storm Data there is no room for flexibility--only qualifications that can be made in this narrative. The effects in West Texas and Southeastern New Mexico were mainly in the form of crop damage due to the dry weather. Those farms that were able to plant crops late in the season were able to grow crops successfully. With the threat to crops ending in August and the Eastern Pacific cold phase waning, it was felt that a definite trend away from the drought had begun. Many people would argue that the drought lasted through the end of 1996 as four years of dry weather could not be corrected in one week, but from a meteorological standpoint as to precipitation patterns, significant changes had occurred during the 1996 Summer that were expected to continue indefinitely; therefore, the drought will be ended here.

During the afternoon of August 23 showers and thunderstorms developed, thereby beginning the long journey toward a wetter regime over Southwest Texas and Southeastern New Mexico.

During the drought, extreme failures of crops and pastureland were reported. Due to the lack of grasses for cattle about half of the cattle in the region had to be sold early. This flooding of the cattle market sent cattle prices plummeting. In a few locations, wells dried up making irrigation impossible.

The commodity losses follow:

Cotton	\$162,275,000
Rangeland	24,744,000
Grain Sorghum	2,400,000
Wheat	530,000
Peanuts	59,300

Rangeland/Pastureland losses were incurred as stunted grasses made ranchers slash the lease prices for their property grazing rights.

The property damage was solely due to the cattle market. With the stunted grass growth, there was not enough food to feed cattle. About half of the cattle in the region (90,000) had to be auctioned due to this feed shortage. With this flood of the auction market the beef prices plummeted. The \$12,600,000 figure was the estimated loss by ranchers having to sell their cattle in a deflated market. A county-by-county assessment was not available, so the total was entered in the first county that sustained losses. The greatest cattle losses were probably in the large counties west of the Pecos River, where almost all of the land is rangeland and there are very few farms.

In the listing of crop damage, some of the counties were listed as \$0.00 damage. This listing is because these counties were grouped with an adjacent county in the available reports. Loving County is listed with Reeves County, Terrell County with Brewster County, and Jeff Davis County with Presidio County.

Two counties in the area, Lea, NM and Culberson, TX reported that there were no drought conditions in their counties.

The grand total for damage to crops and property in 22 Texas counties and 1 New Mexico county stands at approximately \$205 Million. Undoubtedly there are some other factors that have not been considered, but the most significant damages according to the agriculture experts are listed in this report.

Gaines County 3 S Seminole

08 1645CST 0 0 5K Thunderstorm Wind
Two storage sheds were destroyed south of Seminole from a wet microburst.

Howard County 1 NE Big Spring

17 1700CST 0 0 Flash Flood
1800CST

An empty car was swept into a drainage ditch and into a culvert one block away by flooding waters in the streets of Big Spring. Controversy arose when it was found out that local fire fighters refused to assist in rescuing the vehicle before it was taken by the water. The fire fighters claimed they were not to attempt such measures with property that could be damaged in a rescue attempt unless lives were at stake. They said they could be held liable for the damages. While the driver was away trying to find other potential assistance, the car was pushed into the ditch.

Reeves County 7 W Balmorhea

19 1455CST 0 0 Hail (1.75)

Storm Data and Unusual Weather Phenomena

August 1996

										August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Persons Injured	Estimated Damage Property	Crops	Character of Storm	
TEXAS, West										
Winkler County 1 S Kermit	19	2220CST 2330CST			0	0			Flash Flood	
Flooding that had been mainly contained in the streets eventually spilled over the curbs in some parts of town. Such flooding waters seeped in the front door of the County Law Enforcement Building.										
Terrell County 25 N Dryden	23	1430CST			0	0			Flash Flood	
Heavy rains in flash flood territory of northern Terrell County sent 4 feet of water rushing across at least one crossing on Ranch Road 2400.										
Reeves County 7 W Toyah	25	2015CST 2230CST			0	0			Flash Flood	
A small bridge was washed out by flooding waters west of Toyah.										
Reeves County Balmorhea	26	1330CST 1600CST			0	0			Flash Flood	
Heavy rains flooded parts of Reeves County. Highway 17 in the Saragosa and Balmorhea areas had water covering the roadway.										
Reeves County Pecos	26	1600CST 1800CST			0	0			Flash Flood	
Numerous streets were flooded in Pecos due to over 2 inches of rain in the area.										
Jeff Davis County 9 SW Ft Davis	26	1728CST 1731CST	0.3	40	0	0			Tornado (F0)	
A small tornado formed in a thunderstorm in an unusually tropical air mass for the Davis Mountains. A photo taken by the Fort Davis Postmaster showed a condensation funnel to the ground and a clear slot wrapping into the small mesocyclone.										
Martin County 2 S Stanton	27	1515CST 1700CST			0	0			Flash Flood	
Flooding from heavy rains flowed over Highway 137 south of Stanton.										
Midland County Greenwood	27	1550CST 1720CST			0	0			Flash Flood	
Water from heavy rains ran off of roads and rose into many yards in the Greenwood community and to the east covering Highway 307.										
Gaines County 1 NE Seagraves	28	0540CST 0745CST			0	0			Flash Flood	
Gaines County 3 N Seminole	28	0550CST 1030CST			0	0			Flash Flood	
Gaines County 3 E Seminole	28	0900CST 1130CST			0	0			Flash Flood	
Heavy rains from training thunderstorm dumped copious amounts of water over portions of Gaines County. The two major U.S. Highways in the county were covered with water. Three miles east of Seminole U.S. Highway 180 was 2 feet deep. Between Seminole and Seagraves as much of 7 inches of rain was measured. One Building west of Seminole had minor flooding when water seeped under the doors.										
Brewster County 9 W Alpine	28	1200CST 1400CST			0	0			Flash Flood	
West of Alpine, a tributary to Toronto Creek flowing northward across U.S. Highway 90 swelled from tropical rains and flooded the highway. Barricades were posted in the flooded area.										
Andrews County 12 SE Andrews	28	1510CST 1700CST			0	0			Flash Flood	
FM 1788 became flooded 6 miles south of its intersection with State Highway 176.										
Crane County 11 N Crane	28	1739CST 1915CST			0	0			Flash Flood	
U.S. Highway 385 was closed briefly due to high water 11 miles north of Crane.										
Midland County 11 S Midland	28	1800CST 1930CST			0	0			Flash Flood	
State Highway 349 south of Midland had running water in flood-prone areas.										
Ector County 1 N Odessa	28	1800CST 1930CST			0	0	5K		Flash Flood	

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
TEXAS, West									
A couple of houses were flooded in Odessa when 2.5 inches of rain fell in 30 minutes. Intersections around the city were flooded, some with as much as 3 feet of water.									
Presidio County 5 SE Presidio	29	1030CST 1400CST			0	0			Flash Flood
Heavy rains in southern Presidio County caused flooding along the River Road (State Highway 170). The highway was closed between Presidio and Redford.									
Howard County 5 N Big Spring	29	1900CST 2100CST			0	0			Flash Flood
Flash flooding was reported along U.S. Highway 87 north of Big Spring.									
Howard County 7 SW Big Spring	29	1910CST 2030CST			0	0			Flash Flood
Flash flooding was reported near the Elbow community southwest of Big Spring.									
TEXAS, Western North									
Knox County 4 NW Benjamin	02	1815CST			0	0			Thunderstorm Wind (G61)
Knox County 4 NW Benjamin	02	1815CST			0	0			Hail (0.75)
TXZ083-087	Hardeman - Knox								
	04	2155CST 2215CST			0	0			Summary August 4
Severe thunderstorms moving into north Texas resulted in major wind damage north of Knox City in Knox County and in Quanah in Hardeman County. See following individual Storm Data entries for details on these events.									
Knox County 2 N Knox City	04	2200CST			0	0	1.5K		Thunderstorm Wind
Part of the roof was blown off a barn, a large industrial heater was blown over, and an oil field truck was blown over by severe thunderstorm winds.									
Hardeman County Quanah	04	2215CST			0	0	15K		Thunderstorm Wind (G57)
Severe thunderstorm winds estimated at 65 mph snapped large limbs, downed fences, overturned large metal buildings, and blew the top off a trailer.									
TXZ085>086	Wilbarger - Wichita								
	10	1700CST 2035CST			0	0			Summary August 10
Evening thunderstorms brought severe winds and flash flooding to Wichita and Wilbarger Counties. Severe thunderstorm wind damage occurred in and near Burkburnett in Wichita County and west of Vernon in Wilbarger County. Flash flooding was reported in Wichita Falls in Wichita County. See following individual Storm Data entries for details on these events.									
Wichita County Burkburnett	10	1704CST			0	0	2K		Thunderstorm Wind
Severe thunderstorm winds blew down a power pole and several trees and blew over some metal sheds.									
Wichita County 3 SSW Burkburnett	10	1745CST			0	0			Thunderstorm Wind (G52)
Wichita County Wichita Falls	10	1830CST			0	0			Flash Flood
Flash flooding around Wichita Falls resulted in water up to 3-feet deep on some city streets. At least 11 cars were stalled in high water around town.									
Wilbarger County 2 W Vernon	10	2035CST			0	0	35K		Thunderstorm Wind (G55)
Several small barns were blown over, a travel trailer was destroyed, and a tree fell onto a mobile home.									
TXZ083>084-087>090	Hardeman - Foard - Knox - Baylor - Archer - Clay								
	11	1655CST 1845CST			0	0			Summary August 11
Early evening severe thunderstorms moved across north Texas and southwest Oklahoma, producing large hail and damaging winds. Hail as large as golf balls was reported in Medicine Mound in Hardeman County and south of Margaret in Foard County. Major wind damage occurred in Charlie in Clay County and east and north of Knox City in Knox County. Winds were estimated to be 60 mph southwest of Chillicothe in Hardeman County and southwest of Seymour in Baylor County. See following individual Storm Data entries for further details and additional reports.									
Hardeman County 6 N Quanah	11	1700CST			0	0			Hail (0.88)
Hardeman County 2 SW Chillicothe	11	1720CST			0	0			Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, Western North</u>									
Hardeman County 2 SW Chillicothe	11	1720CST			0	0			Hail (1.00)
Hardeman County Medicine Mound	11	1731CST			0	0			Hail (1.75)
Foard County Crowell	11	1758CST			0	0			Hail (1.00)
Foard County 1 S Margaret	11	1800CST			0	0			Hail (1.75)
Clay County Charlie	11	1810CST			0	0	55K		Thunderstorm Wind
A roof was blown off an apartment building and a two-foot diameter limb was blown off a tree. The roof was blown off a 14'X100' barn 2 miles south of Charlie.									
Knox County 1 E Knox City	11	1830CST			0	0	2.5K		Thunderstorm Wind
Severe thunderstorm winds downed 8 power poles, a TV antenna, and numerous trees up to eight inches in diameter. A trampoline was blown 300 yards away and a swing set was blown into a fence and shed. Chemical tanks were blown into a field, and a dumpster was blown into a fence, destroying the fence. Numerous trees around town were snapped by the severe winds.									
Knox County 6 N Knox City	11	1830CST			0	0	2K		Thunderstorm Wind
Severe thunderstorm winds destroyed a gazebo, uprooted or split several trees, and blew a covered deck over onto its side. Also, a mailbox was blown over and 12 pieces of sheet metal were blown off a barn.									
Archer County Windthorst	11	1840CST			0	0			Hail (0.75)
Clay County Crowell	11	1840CST			0	0			Hail (1.00)
Baylor County 1 SW Seymour	11	1845CST			0	0			Hail (0.75)
Baylor County 1 SW Seymour	11	1845CST			0	0			Thunderstorm Wind (G52)
<u>UTAH, North, Central and South</u>									
Utah County Provo (Byu)	01	1725MST 1730MS T			0	0			Thunderstorm Wind (G56)
Scattered high-based thunderstorms developed during the late afternoon and early evening hours. There were numerous reports of 45-50 mph (39-43 kts) microburst wind gusts across northern Utah. Dry lightning sparked 3 wildfires and the winds helped them spread quickly. One fast-moving wildfire in Summit county forced the evacuation of 800 people in Tollgate Canyon, just west of Wanship. Fortunately wildfire fighting officials were able to contain the blaze that night without any property damage. A severe thunderstorm unleashed a 65 mph (56 kts) wind gust on the weather station at Brigham Young University in Provo. In nearby west Orem a weather spotter measured a 64 mph (56 kts) gust from that same storm. No damage was reported.									
Salt Lake County Cottonwood Hgts	18	1350MST 1355MS T			0	0			Hail (1.00)
A thunderstorm developed over the Oquirrh Mountains and moved east across the Salt Lake Valley. Half-inch diameter hail fell as the storm tracked across the valley floor. Then as the storm hit the Wasatch Mountains on the east side of the valley it became severe. A spotter at the mouth of Little Cottonwood Canyon measured 1" diameter hail.									
Washington County Zion National Park	24	1710MST 1800MS T			0	0			Flash Flood
Monsoonal moisture moved into southwest Utah and scattered thunderstorms developed. In Zion National Park a flash flood occurred in the Zion Narrows. Park officials reported a "wall of water rushed through the area taking trees in its wake." A river gauge recorded a flow rate of 70 cfs (cubic feet per second) at 1700 mst. At 1730 mst that same gauge read 700 cfs. Fortunately no one was injured.									
Sevier County Freemont Junction	26	1330MST 1440MS T			0	0	20K		Flash Flood
Monsoonal moisture continued to allow thunderstorms to dump copious amounts of rain across southern Utah. During the early afternoon a couple of thunderstorms moved through Sevier county. A weather spotter in Freemont Junction received 2.02" in 65 minutes. Both the spotter and county sheriff reported some flooding in town with all washes in the area running full. The Utah Highway Patrol reported that 6-8" of water on the road temporarily closing Interstate-70 near Muddy Creek.									

Storm Data and Unusual Weather Phenomena

August 1996

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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UTAH, North, Central and South

Garfield County Escalante Area

**26 1400MST
1600MS
T 0 0 100K Flash Flood**

Thunderstorms brought heavy downpours to Garfield county as well. Flash flooding occurred on the Escalante River in several places. The bridge leading into the Escalante Petrified Forest State Park was damaged by flood waters. Logs and debris were washed across the road in Main Canyon. In the Alvey Wash drainage just south of Escalante, two women in a pick-up truck were nearly drowned. Their pick-up truck stalled on the bridge and they were forced to climb out of the vehicle. By-standers formed a human-chain and rescued the trapped women. Minutes later the pick-up was washed away. They found the vehicle a half-mile downstream filled with mud, a total loss.

UTAH, Northeast

Grand County 12 N Moab

17 1730MST 1 0 Lightning

A man was struck by lightning while hiking with two others on the Delicate Arch trail in Arches National Park. Lightning from the thunderstorm also started two fires in the park. M22OU

VERMONT, North and Central

Rutland County Castleton

**03 1710EST
1720EST 0 0 5K Thunderstorm Wind**

A weak trough of low pressure moved across Vermont and triggered afternoon and evening thunderstorms. Some thunderstorms were accompanied by locally heavy rain, strong winds and hail.

At 1710 EST tree blown down by thunderstorm wind in Castleton, VT (Rutland County).

At 1800 EST a road was partially washed out in Castleton, VT (Rutland County).

Rutland County Castleton

03 1800EST 0 0 10K Flash Flood

Addison County Monkton

**26 1315EST
1320EST 0 0 Hail (0.75)**

A cold front moved across Vermont Monday August 26, 1996. Afternoon and evening thunderstorms developed along and ahead of the front. Hail was reported in the following locations of northwest Vermont:

At 1315 EST hail 3/4 inch in diameter was reported in Monkton, VT (Addison County).

At 1330 EST hail 3/4 inch in diameter was reported in Starksboro, VT (Addison County).

Addison County Starksboro

**26 1330EST
1340EST 0 0 Hail (0.75)**

VERMONT, South

NONE REPORTED.

VIRGIN ISLANDS

NONE REPORTED.

VIRGINIA, East

Middlesex County Hartfield

03 1000EST 0 0 Urban/Sml Stream Fld

Highway 33 was closed due to flooding. Estimated rainfall totals of 6.0 inches fell in less than 3 hours.

Gloucester County Bena

03 1000EST 0 0 Urban/Sml Stream Fld

County Routes 641 and 623 in the Guinea Neck section of the county were closed when vehicles stalled in water up to 2 feet deep.

Middlesex County Topping

03 1100EST 0 0 Urban/Sml Stream Fld

County Routes 624, 625, and 626 were closed due to water up to 1 foot deep covering roads.

Mathews County Mathews

03 1105EST 0 0 2K Urban/Sml Stream Fld

Two businesses were flooded in the courthouse area. Two cars were stalled in high water.

Cumberland County Cumberland

16 1540EST 0 0 Hail (0.75)

Dime size hail reported at Bear Creek State Park.

Caroline County Bowling Green

16 1628EST 0 0 2K Thunderstorm Wind

Several trees blown down onto Route 301.

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Estimated Damage	Crops	Character of Storm
<u>VIRGINIA, East</u>									
Westmoreland County									
Colonial Beach	16	1720EST			0	0			Hail (0.75)
Chesterfield County									
Winterpock	16	1725EST			0	0			Hail (1.00)
Dinwiddie County									
Sutherland	16	1745EST			0	0			Hail (0.75)
Dinwiddie County									
Sutherland	16	1745EST			0	0	2K		Thunderstorm Wind
Several trees blown down.									
Brunswick County									
Rawlings	16	1845EST			0	0	1K		Thunderstorm Wind
A large tree was blown over adjacent to the Rawlings Community Center.									
Brunswick County									
Lawrenceville	16	1845EST			0	0	2K		Thunderstorm Wind
Several trees were blown down onto Route 58, blocking the westbound lane for about 30 minutes.									
Chesterfield County									
Chester	18	1610EST			0	0			Hail (0.75)
Henrico County									
Short Pump	24	1435EST			0	0			Hail (0.75)
Henrico County									
Short Pump	24	1450EST			0	0	5K		Thunderstorm Wind
Several trees blown down across three lanes of Broad Street covering a two block area. Numerous 2-3 foot diameter trees down near the Henrico/Goochland County line in the Lauderdale area.									
Henrico County									
Short Pump	24	1450EST			0	0	100K		Lightning
Lightning strike caused a fire which damaged a house and its contents in the 12000 block of Robson Street.									
Richmond (C)									
Richmond	24	1515EST			0	0	2K		Thunderstorm Wind
Virginia Power reported several trees blown down on power lines.									
Hopewell (C)									
Hopewell	24	1635EST			0	0	1K		Thunderstorm Wind
Telephone pole blown down at restaurant.									
Prince George County									
Garysville	24	1659EST			0	0	2K		Thunderstorm Wind
Several trees blown down on Route 10 near Routes 625 and 639.									
Norfolk (C)									
Norfolk	26	1415EST			0	2			Lightning
Lightning strike seriously injured 2 boys who were sitting on the bench of a picnic table beneath a tree.									
Caroline County									
Dawn	27	1820EST			0	0	2K		Thunderstorm Wind
Several trees blown down.									
Hanover County									
Mechanicsville	27	1825EST			0	0	2K		Thunderstorm Wind
Several trees and power lines blown down.									
Henrico County									
Short Pump to Glen Allen	27	1825EST			0	0	2K		Thunderstorm Wind
Several trees blown down.									
King William County									
Countywide	27	1830EST 1845EST			0	0	3K		Thunderstorm Wind
Several trees blown down throughout the county.									
Henrico County									
Sandston	27	1845EST			0	0	2K		Thunderstorm Wind
Several trees blown down.									
King William County									
Countywide	27	1900EST			0	0			Flash Flood
High water was reported on several county highways due to overflowing drainage ditches.									
New Kent County									
2 NE Barhamsville	27	1915EST			0	0	2K		Thunderstorm Wind
Several trees blown down onto Routes 600 and 705.									
King And Queen County									
Shacklefords	27	1945EST			0	0	2K		Thunderstorm Wind
Several trees blown down.									

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
<u>VIRGINIA, East</u>									
King And Queen County Shacklefords	27	2000EST			0	0			Flash Flood
	Several roads were flooded with parts of a couple of roads washed out.								
Gloucester County Gloucester	27	2020EST			0	0	2K		Thunderstorm Wind
	Several trees blown down.								
Gloucester County Woods Xrds	27	2030EST			0	0			Urban/Sml Stream Fld
	Minor flooding of roads.								
<u>VIRGINIA, Extreme Southwest</u>									
Washington County Bristol	07	1445EST 1515EST			1	1	5K	3K	Thunderstorm Wind (G45)
	Numerous trees and powerlines were downed around Bristol and Abingdon. A tree limb, nearly three feet in diameter fell onto a car killing the driver and injuring a passenger. M66VE								
Russell County Castlewood	16	1645EST			0	0		5K	Thunderstorm Wind
	Several trees blew down.								
Lee County 5 NE Pennington Gap	23	1253EST			0	0		5K	Thunderstorm Wind
	A few trees and powerlines were downed northeast of Pennington Gap.								
<u>VIRGINIA, North</u>									
Frederick County N Portion	02	2030EST 2130EST			0	0	8K		Flash Flood
	Slow-moving torrential-rain producing thunderstorms caused several instances of flash flooding over the northern Shenandoah Valley. In northern Frederick Co, several main thoroughfares, including federal highway 50, were flooded and/or temporarily closed northwest of Winchester.								
VAZ027 Shenandoah	12	1900EST 2300EST			0	0	8K		Flood
	Low pressure moving across the southeast U.S. produced a shield of moderate overrunning rainfall over the Middle Atlantic region. In parts of the Shenandoah Valley, where upsloping easterly winds enhanced the rainfall totals, sporadic flooding occurred. Shenandoah Co, which had approximately 4 inches of rain in 24 hours, had several low-lying areas and low-water bridges flood; 60 local roads were closed. The Shenandoah River crested 1 foot above flood stage.								
Frederick County Winchester	15	2100EST			0	1			Lightning
	Lightning struck and injured a 34-year old man working outdoors near Winchester. He was treated and released at a local hospital.								
Loudoun County Leesburg	16	1337EST			0	0			Hail (0.75)
	Skywarn spotter reported 3/4 inch diameter hail in Leesburg.								
Page County Luray	16	1341EST			0	0			Hail (0.75)
	Skywarn spotter reported 3/4 inch hail at the intersection of federal highways 340 and 211.								
Loudoun County Leesburg	16	1355EST 1410EST			0	0			Flash Flood
	Street flooding was reported by Skywarn observers in Leesburg.								
Fauquier County 3 SE Hume	16	1400EST			0	0			Hail (0.75)
	A Skywarn spotter reported 3/4 inch hail between Hume and Orlean.								
Fauquier County N Portion	16	1430EST 1500EST			0	0	10K		Lightning
	Lightning struck several power lines, transformers, and fuses resulting in a loss of electricity to 3900 Virginia Power customers, primarily in the Warrenton area.								
Fauquier County North Portion	16	1508EST 1512EST			0	0			Hail (0.88)
	Nickel-sized hail was reported 5 miles southwest of interstate 66 near The Plains. A Skywarn spotter reported 3/4 inch hail at the								

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<u>VIRGINIA, North</u>							
							Vint Hill Farm.
Prince William County Manassas City to Manassas Park	16	1525EST 1527EST			0 0	12K	Thunderstorm Wind (G52)
							Wind gusts to 60 mph were reported, knocking down several trees and large limbs in and around Manassas City and Manassas Park.
Fairfax County Springfield	16	1605EST			0 0	1K	Hail (1.00)
							A Skywarn spotter reported quarter-sized hail in Springfield.
Prince William County Woodbridge	16	1615EST 1630EST			0 0	6K	Lightning
							Lightning struck several lines, fuses, and transformers, resulting in a loss of electricity for 2100 Virginia Power customers in the Woodbridge area.
Spotsylvania County Fredericksburg	16	1630EST 1645EST			0 0	6K	Lightning
							Lightning struck several lines, fuses, and transformers, resulting in a loss of electricity for 2100 Virginia Power customers in northern Spotsylvania Co.
King George County East Portion	16	1700EST 1715EST			0 0	15K	Thunderstorm Wind
							The county emergency operations center reported numerous trees/large limbs were knocked down in the eastern portion of King George Co.
Loudoun County Middleburg	23	1900EST 1930EST			0 0	10K	Lightning
							A few houses were struck by lightning, incurring only minor damage. Some trees and branches were also struck, as were a few power lines. Minor street flooding was also reported.
Nelson County Afton Mountain	24	1315EST			0 0	5K	Thunderstorm Wind
							Some trees were knocked down at Afton Mountain.
Rockingham County Sw Portion	26 27	2100EST 0200EST			0 0	25K	Flash Flood
							Persistent thunderstorms, containing torrential rainfall, caused widespread flash flooding over southwestern Rockingham Co during the overnight hours on the 26th. Measured rainfall of 6.8 inches (at federal highway 33 and Briery Branch) flooded numerous homes and washed out portions of several area roadways, including a small asphalt patch along highway 33. Seven local roads were closed, and a farm reported a few poultry drownings.
Page County Central Portion	27	1500EST			0 0		Flash Flood
							Sections of federal highway 340 were flooded.
<u>VIRGINIA, Northwest</u>							
Buchanan County Northern Portion	08	1830EST 2030EST			0 0	3K	Flash Flood
							Several roads were blocked by overflowing creeks.
Dickenson County Clintwood	27	1720EST 1900EST			0 0	5K	Flash Flood
							Two to 2.5 inches of rain fell in about an hour, overflowing streams and causing mudslides.
<u>VIRGINIA, Southwest</u>							
Montgomery County Christiansburg	03	1235EST 1245EST			0 0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Estimated Damage	Property	Crops	Character of Storm
<u>VIRGINIA, Southwest</u>										
An isolated severe thunderstorm during the early afternoon hours on the 3rd produced dime size hail that covered the ground in Christiansburg.										
Charlotte County Red House	06	1445EST			0	0				Thunderstorm Wind
Halifax County 2 E South Boston	06	1700EST 2130EST			0	0				Flash Flood
Charlotte County Barnes Junction	06	1730EST			0	0				Hail (0.75)
Charlotte County Barnes Junction	06	1730EST			0	0				Thunderstorm Wind
Thunderstorms in portions of southwest and south-central during the afternoon and early evening hours on the 6th produced hail up to dime size, damaging winds, and flash flooding.										
Thunderstorm winds downed tree limbs in Barnes Junction and knocked a tree down on power lines in Red House.										
Heavy rainfall in portions of Halifax County resulted in the flooding of a creek 2 miles east of South Boston. A truck became stranded in the high water from the creek.										
Tazewell County 1 W Tazewell	08	2010EST 2300EST			0	0				Flash Flood
Giles County Bane	08	2100EST			0	0				Thunderstorm Wind
Thunderstorms during the evening hours on the 8th produced damaging winds and flash flooding.										
Thunderstorm winds downed trees in Bane.										
Heavy rainfall resulted in a creek flooding a road 1 mile west of Tazewell. In addition, flood waters damaged a house.										
Carroll County Countywide	12	1130EST 1400EST			0	0				Flash Flood
Montgomery County Eastern Portion	12	1230EST 1700EST			0	0				Flash Flood
Pittsylvania County Southwest Portion	12	1830EST 1840EST			0	0				Thunderstorm Wind
Pittsylvania County Southern Portion	12	1840EST 1930EST			0	0				Flash Flood
Thunderstorms during the late morning, afternoon, and early evening hours on the 12th resulted in flash flooding and damaging winds.										
Heavy rainfall resulted in creeks and streams flooding roads in southern portions of Pittsylvania County and across mainly northeastern portions of Carroll County. Flooding occurred on the north fork of the Roanoke River from McDonalds Mill to Lafayette in eastern Montgomery County.										
Thunderstorm winds downed trees in the southwest portion of Pittsylvania County.										
VAZ044-058	Pittsylvania - Halifax									
	13	0200EST			0	0				Flood
	15	1500EST								
VAZ058>059	Halifax - Charlotte									
	13	2000EST			0	0				Flood
	14	1300EST								
Heavy rainfall in southern Virginia and northern North Carolina on the 12th resulted in minor flooding on the Dan River from just upstream of Danville to 6 miles east of South Boston and on the Roanoke River from Randolph to 5 miles southeast of Red Oak.										
The Dan River crested almost 2 feet above flood stage at Danville at 0900 EST on the 13th, a little over a foot above flood stage at Paces at 0800 EST on the 14th, and almost 4.5 feet above flood stage at South Boston at 1800 EST on the 14th.										
The Roanoke River crested just over flood stage at Randolph at 2100 EST on the 13th.										
Pulaski County Draper	16	1200EST			0	0	4K			Lightning
Patrick County 8 SW Fairy Stone Park	16	1328EST			0	0				Hail (1.00)

Storm Data and Unusual Weather Phenomena

August 1996

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

VIRGINIA, Southwest

Botetourt County Daleville

16 1603EST

0 0

Thunderstorm Wind

Thunderstorms during the late morning and afternoon hours on the 16th produced damaging winds, hail up to quarter size, and damaging lightning.

Thunderstorm winds downed a tree in Daleville.

Lightning strikes in and near Draper damaged the roof of a house and damaged a television.

Campbell County Lynchburg

20 1445EST

0 0

20K

Thunderstorm Wind

Thunderstorm winds on the 20th damaged a house under construction in Lynchburg.

Bath County Hot Spgs

24 1200EST

0 0

Hail (1.00)

Franklin County

5 WSW Ferrum

24 1330EST

0 0

Hail (0.88)

Franklin County

2 E Ferrum

24 1340EST

0 0

80K

Lightning

Pittsylvania County South Portion

**24 1430EST
1440EST**

0 0

Thunderstorm Wind

Halifax County South Boston

24 1550EST

0 0

10K

Lightning

Thunderstorms during the late morning and afternoon hours on the 24th produced damaging winds, hail up to quarter size, and damaging lightning.

Thunderstorm winds knocked down trees and power lines across the southern portion of Pittsylvania County.

Lightning started a fire which destroyed a recording studio 2 miles east of Ferrum. Damage was estimated at \$80,000. Lightning started a fire which resulted in \$10,000 in damage to a church in South Boston.

WASHINGTON, Northeast

NONE REPORTED.

WASHINGTON, Northwest

NONE REPORTED.

WASHINGTON, Southeast

NONE REPORTED.

WASHINGTON, Southwest

NONE REPORTED.

WEST VIRGINIA, East

Berkeley County S Portion

**02 2030EST
2200EST**

0 0

20K

Flash Flood

Slow-moving torrential rain producing thunderstorms caused several instances of flash flooding in southern Berkeley Co. One home was partially under water; numerous roads were flooded, several streams rose out of their banks, and a few vehicles were flooded.

Pendleton County Onego

**08 1745EST
1815EST**

0 0

10K

Flash Flood

Torrential thunderstorm rains washed out a portion of county road 5/2. Federal highway 33 flooded when White's Creek overflowed its banks.

Grant County W Portion

**08 1915EST
1945EST**

0 0

10K

Flash Flood

Slow-moving thunderstorms, containing torrential rainfall, flooded western sections of Grant Co. From Mt. Storm to Gorman, state route 55 was closed. Near the Tucker Co line, high water closed a portion of state route 93.

Mineral County New Creek to Burlington

**08 1915EST
1945EST**

0 0

10K

Flash Flood

Several roads were closed due to high water and flowing debris.

Storm Data and Unusual Weather Phenomena

August 1996

									August 1996
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>WEST VIRGINIA, East</u>									
Mineral County									
Extreme N Portion	12	2145EST			0	0	10K		Flash Flood
		2245EST							
Nearly 3 1/2 inches of rain fell onto saturated ground in Keyser and environs, bringing the New Creek just out of its banks. Federal highway 220 had 6 inches of water over the top; several other roads were also covered by water. A few homes were reportedly surrounded by high water along Cabin Run east of Keyser.									
Hampshire County									
Augusta	15	2000EST			0	0			Hail (0.75)
The local sheriff's department reported 3/4 inch diameter hail.									
Hardy County									
Wardensville	16	1400EST			0	0			Hail (0.75)
The West Virginia highway department reported 3/4 inch hail near Wardensville.									
Hampshire County									
Romney	16	1700EST			0	0			Hail (0.75)
The county communications center relayed a report of 3/4 inch diameter hail in Romney.									
<u>WEST VIRGINIA, North</u>									
WVZ023-041	Preston - Tucker								
	01	0000EST			0	0			Flood
		0300EST							
After cresting between two and three feet above flood stage on July 31st, the Cheat River dropped below flood stage early in the morning on August 1st.									
Marion County									
Fairmont	02	1700EST			0	0	10K		Flash Flood
		1800EST							
Extensive street flooding was reported in Fairmont. A few basements were also flooded. Coal Run Hollow went out of its banks near Webster College, flooding a building on campus.									
Tucker County									
5 W Parsons	02	1720EST			0	0			Flash Flood
		1820EST							
Route 219, west of Parsons, was flooded. Also, small streams went out of their banks near Thomas. Route 32 between Thomas and Davis was flooded.									
Hancock County									
Weirton	08	1440EST			0	0	5K		Lightning
Lightning struck a home in Weirton. A small fire and a hole in the roof resulted.									
Monongalia County									
Morgantown	15	1943EST			0	0			Hail (0.75)
Preston County									
6 W Bruceton Mills	15	2000EST			0	0	21.7K		Lightning
Lightning damaged electronic equipment at a radio transmitter tower on top of Cooper's Rock.									
Preston County									
3 N Newburg	21	1830EST			0	0	8K		Flash Flood
		2000EST							
Three Forks Creek went out of its banks and flooded a few homes near Newburg and Reedsville.									
<u>WEST VIRGINIA, Southeast</u>									
Mercer County									
Princeton	21	1315EST			0	0	3K		Lightning
A thunderstorm during the afternoon hours on the 21st produced lightning which damaged computers in Princeton.									
<u>WEST VIRGINIA, West</u>									
Wood County									
Parkersburg	08	1457EST			0	0	3K		Thunderstorm Wind
Trees were downed along Grand Central Avenue.									
Jackson County									
Ravenswood	08	1530EST			0	0	5K		Thunderstorm Wind
Power lines and transformers were blown down.									
Doddridge County									
West Union	08	1545EST			0	0	2K		Thunderstorm Wind
Trees were uprooted along Route 18.									
Jackson County									
Silverton	08	1545EST			0	0	3K		Flash Flood
		1645EST							

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
<u>WEST VIRGINIA, West</u>									
		Streams overflowed and blocked roads. No homes were affected.							
Wood County Dallison to Walker	08	1545EST 1645EST			0	0	2K		Flash Flood
		Streams overflowed and blocked roads, but no dwellings were flooded.							
Putnam County Confidence	08	1600EST			0	0	2K		Thunderstorm Wind
		Large limbs were broken off trees in this vicinity.							
Mason County West Columbia	08	1700EST			0	0	2K		Thunderstorm Wind
		Fallen trees blocked Route 62.							
Randolph County Montrose	08	1710EST 1830EST			0	0	5K		Flash Flood
		One to 2 inches of rain fell in less than 2 hours. Small feeder streams into Leading Creek flooded. Water flowed across Route 219. No homes were flooded.							
Webster County Bergoo	08	1830EST 2030EST			0	0	2K		Flash Flood
		Two to 3 inches of rain fell in a few hours, causing creeks to block county roads in the vicinity.							
Raleigh County Bradley	26	1830EST 1930EST			0	0	8K		Flash Flood
		A portion of a road was washed out by a flooding creek.							
<u>WISCONSIN, Extreme Southwest</u>									
		NONE REPORTED.							
<u>WISCONSIN, Northeast</u>									
Vilas County St Germain	05	1530CST 1600CST			0	0			Flash Flood
		Approximately 1.5 inches of rain fell over a one-hour period, causing flash flooding in the St. Germain vicinity. Heavy runoff from hillsides caused small mudslides, which deposited up to 2 feet of mud on area roads.							
Calumet County 2 W Chilton	05	1610CST			0	0	2K		Thunderstorm Wind
		Thunderstorm winds knocked down telephone lines 2 miles west of Chilton.							
Manitowoc County 2 SW Valders	05	1630CST			0	0	2K		Thunderstorm Wind
		Power lines were felled on Highway 151, 2 miles southwest of Valders.							
Calumet County 2 S Chilton	05	1830CST			0	0	5K		Thunderstorm Wind
		Several large trees were knocked down south of Chilton.							
Calumet County New Holstein	05	1830CST			0	0	2K		Thunderstorm Wind
		Trees and large limbs were downed near New Holstein.							
Wood County 2 SE Marshfield	07	0145CST			0	0	50K		Thunderstorm Wind (G63)
		Powerful thunderstorm winds destroyed a barn in the Hewitt area. Several antique and specialty cars that were being stored in the barn were damaged. In addition, part of a roof was blown off of a house in the town of Cameron. Numerous trees and power lines were damaged in the Marshfield, Hewitt, Pittsville and Dexterville areas.							
Marathon County 6.5 N Stratford to 2.5 NNW Fenwood	07	0145CST 0149CST	2.5	200	0	0	200K	250K	Tornado (F2)
		A tornado touched down 6.5 miles north of Stratford, tore the top portion of a home off, flattened a garage and snapped off several large trees. The storm moved east-northeast for 2.5 miles, damaging a storage shed and 30 trees on a farm. Dozens of Ginseng shelters were thrown about. The tornado was not on the ground for the entire path.							
Marathon County 1 N Stratford to 1.2 NE Stratford	07	0146CST 0147CST	0.2	100	0	0	100K	110K	Tornado (F1)
		A tornado touched down 1 mile north of Stratford. The tornado snapped off numerous large trees, some of which fell on top of homes. In addition, a barn was flattened, semi-trailer flipped over and a car moved 75 feet.							

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
WISCONSIN, Northeast							
Vilas County							
Lac Du Flambeau	07	0150CST			0 0	5K	Thunderstorm Wind
	Trees were downed in the Lac du Flambeau and Arbor Vitae areas.						
Lincoln County							
5 W Merrill	07	0155CST			0 0	25K	Thunderstorm Wind
	Numerous trees, some up to 3 feet in diameter, were snapped off or uprooted at Council Grounds State Park. Around 150 campers sought shelter in concrete restrooms before the storm hit, thanks in great part to early warnings from the National Weather Service. Ginseng sheds and a roof of a machine shed were also damaged across other parts of southern Lincoln county.						
Marathon County							
Edgar	07	0156CST			0 0	440K 400K	Thunderstorm Wind
	Powerful straight-line winds downed 450 trees in the Edgar area, some of which fell on homes and vehicles. Significant property damage occurred.						
Marathon County							
Wausau	07	0215CST			0 0	2K	Thunderstorm Wind
	A few trees were knocked over in the Wausau vicinity.						
Marathon County							
.4 SW Shantytown to Shantytown	07	0219CST 0221CST	0.4	100	0 0	90K 10K	Tornado (F1)
	A tornado touched down 0.4 mile southwest of Shantytown, tearing a 100 yard path through a cornfield. The storm then moved into Shantytown, tearing the roof and garage off of a home. Pieces of the roof were found one-quarter mile away from the home.						
Lincoln County							
5 SE Harrison	07	0220CST			0 0	2K	Thunderstorm Wind
	Trees were downed 5 miles southeast of Harrison in northeast Lincoln county.						
Oneida County							
Pelican Lake	07	0225CST			0 0	25K	Thunderstorm Wind
	Numerous trees were snapped off or uprooted in the Pelican Lake area.						
Portage County							
Rosholt	07	0230CST			0 0	15K	Thunderstorm Wind
	Trees and a few homes were damaged in the Rosholt and Tree Lake areas.						
Oneida County							
Rhinelanders	07	0230CST			0 0		Thunderstorm Wind (G50)
	Thunderstorm winds roared through the Rhinelanders vicinity, causing significant tree damage over an area 3 miles long by 1/2 mile wide.						
Langlade County							
Antigo	07	0235CST			0 0	5K	Thunderstorm Wind
	Trees were knocked over in the Antigo area. One of the trees fell on top of a garage.						
Oneida County							
Monico	07	0235CST			0 0	25K	Thunderstorm Wind
	Numerous trees were snapped off or uprooted in the Monico area.						
Oneida County							
Three Lakes	07	0240CST			0 0	250K	Thunderstorm Wind (G70)
	Winds up to 80 mph caused extensive damage in a 5 miles long by 1 mile wide area in Three Lakes. Literally thousands of trees were snapped off or uprooted; many falling on vehicles, homes and power lines. Power outages lasted as long as 36 hours for some residents. The fallen trees blocked dozens of county roads and trapped 2 people inside a cabin. The heaviest damage occurred on the peninsula of land between Laurel and Big Stone Lakes.						
Vilas County							
2 SE Phelps	07	0240CST			0 0	2K	Thunderstorm Wind
	Trees were knocked down in the Nicolet National Forest, 2 miles southeast of Phelps.						
Portage County							
12 SE Stevens Pt	07	0255CST			0 0	2K	Thunderstorm Wind
	Trees were damaged 12 miles southeast of Stevens Point.						
Shawano County							
Tilleda	07	0255CST			0 0	2K	Thunderstorm Wind
	Trees were felled in the Tilleda area.						
Waupaca County							
Waupaca	07	0300CST			0 0	39K 8K	Thunderstorm Wind
	Strong straight-line winds caused significant damage in the Waupaca area. At least 17 residences suffered damage, with 2 sustaining major damage. Several vehicles and a boat were also damaged. Numerous trees and power lines were downed throughout the Waupaca, Manawa and Weyauwega vicinities.						
Forest County							
Alvin	07	0300CST			0 0	2K	Thunderstorm Wind
	Trees were downed in the Alvin area.						
Forest County							
5 S Crandon	07	0310CST			0 0	5K	Thunderstorm Wind
	Trees and power lines were damaged south of Crandon.						

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
WISCONSIN, Northeast							
Florence County							
Florence	07	0330CST			0 0	5K	Thunderstorm Wind
	Trees and power lines were knocked down in the Florence area.						
Outagamie County							
2 N Shiocton	07	0330CST			0 0	1K	Thunderstorm Wind
	Two large trees were felled north of Shiocton.						
Shawano County							
Bonduel	07	0330CST			0 0	10K	Thunderstorm Wind
	Thunderstorm winds damaged a roof of a Bonduel area diner.						
Outagamie County							
Greenville	07	0335CST			0 0		Thunderstorm Wind (G52)
Florence County							
Spread Eagle	07	0345CST			0 0		Thunderstorm Wind (G52)
Winnebago County							
Neenah	07	0400CST			0 0	5K	Thunderstorm Wind
	Trees and power lines were downed in the Neenah and Menasha areas. Minor tree damage was also reported in the Oshkosh vicinity.						
Brown County							
Green Bay	07	0408CST			0 0	2K	Thunderstorm Wind
	A few trees and power lines were damaged as a weakening line of storms moved through the Green Bay area.						
Oconto County							
Oconto	07	0410CST			0 0	2K	Thunderstorm Wind
	A tree fell on top of a garage in the Oconto area.						
Oneida County							
Minocqua	22	0300CST			0 0	5K	Thunderstorm Wind
	An early-morning thunderstorm rolled through the Minocqua area, snapping off trees and power lines and causing power outages across the area.						
Vilas County							
Eagle River	22	0330CST			0 0	50K	Thunderstorm Wind
	Powerful downburst winds caused significant damage over an area 1.5 miles wide by 3 miles long on the east side of Eagle River. Numerous trees and power lines were snapped, resulting in power outages to around 4000 electrical customers. Fallen trees caused damage to some buildings and vehicles.						
Shawano County							
2 E Bowler	24	2030CST			0 0		Lightning
	Lightning struck a home on the Stockbridge-Munsee Indian Reservation, 2 miles east of Bowler. The home subsequently started on fire and burned to the ground.						
Marathon County							
Wausau	25	1655CST			0 0		Hail (0.75)
Menominee (C)							
Keshena	25	1715CST			0 0	2K	Thunderstorm Wind
	Trees and power lines were downed on Highway 47 near Keshena.						
Door County							
Egg Harbor	25	1725CST			0 0	5K	Thunderstorm Wind
	Thunderstorm winds whipping in off the Bay of Green Bay caused damage to trees and power lines in the Egg Harbor area, resulting in scattered power outages.						
Shawano County							
Shawano	25	1726CST			0 0		Hail (1.75)
Shawano County							
Bonduel	25	1745CST			0 0	5K	Thunderstorm Wind
	Trees and power lines were damaged near Bonduel.						
Oconto County							
Chase	25	1755CST			0 0	2K	Thunderstorm Wind
	Trees and power lines were knocked down in southern Oconto county.						
Brown County							
Pulaski	25	1755CST			0 0	1K	Thunderstorm Wind
	A couple 2 foot diameter elm trees were uprooted in Pulaski.						
Brown County							
Suamico	25	1759CST			0 1	10K	Thunderstorm Wind
	Strong thunderstorm winds blew a shed over, took a back porch off of a home and downed trees in the Suamico area. A 43 year old male suffered a leg injury during the storm.						
Lincoln County							
2 NW Merrill	25	1805CST			0 0		Hail (1.75)
Lincoln County							
2 E Merrill	25	1815CST			0 0		Hail (1.50)
	Hail up to 1.50 inches in diameter fell just east of Merrill.						

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Injured	Property	Crops	Character of Storm
<u>WISCONSIN, Northeast</u>									
Door County									
10 W Sturgeon Bay	25	1830CST			0	0	5K		Thunderstorm Wind
									Trees and power lines were downed in the Little Sturgeon Bay area.
Kewaunee County									
Luxemburg	25	1837CST			0	0			Hail (0.75)
Kewaunee County									
12 SW Kewaunee	25	1845CST			0	0	2K		Thunderstorm Wind
									Thunderstorm winds caused roof and chimney damage to a home in the Bolt area.
Brown County									
Bellevue	31	1450CST			0	0			Funnel Cloud
									Weak thunderstorms developing along a lake breeze boundary spawned several funnel clouds in the Bellevue and Langes Corners areas. The funnel clouds prompted approximately 150 calls to the Brown county sheriff department.
Manitowoc County									
Maribel	31	1500CST			0	0			Funnel Cloud
									Funnel clouds were reported near the Cooperstown and Maribel areas. The funnel clouds developed out of weak thunderstorms which formed along a lake breeze front.
<u>WISCONSIN, Northwest</u>									
Burnett County									
Webster	06	2300CST			0	0			Thunderstorm Wind (G50)
									Trees up to 50 feet tall were blown down. Wind and tree damage to power lines knocked out power to approximately 5,000 electrical customers. Wind speed is estimated.
Burnett County									
Danbury	06	2300CST			0	0			Thunderstorm Wind (G50)
									Many trees were uprooted, some falling on buildings, tractors, and cars. A fence at the home of one resident was hit by lightning, turning all of the fence-climbing peas a brown color. Wind speed is estimated.
Douglas County									
Maple	06	2330CST			0	0			Thunderstorm Wind (G50)
									Trees were blown down in scattered areas of the county, with most of the damage in the Maple area. A house near Maple lost a tin roof. Wind speed is estimated.
Douglas County									
12 SE Superior	06	2330CST			0	0			Lightning
									Lightning struck a house on the east side of Amnicon Lake, starting a fire. The amount of damage is unknown.
Douglas County									
Lake Nebagamom	06	2330CST			0	0			Thunderstorm Wind (G55)
									Two buildings and two big clumps of trees were blown down. Wind speed is estimated.
Bayfield County									
Branson	07	0000CST			0	0			Thunderstorm Wind (G50)
									Numerous trees were blown down. Wind speed is estimated.
Sawyer County									
20 SE Hayward	07	0025CST			0	0			Thunderstorm Wind (G50)
									Several large trees were blown down. Wind speed is estimated.
Ashland County									
3 N Butternut	07	0100CST			0	0			Thunderstorm Wind (G50)
									Two trees two feet in diameter and many large branches were blown down. Wind speed is estimated.
Price County									
Park Falls	07	0115CST			0	0			Thunderstorm Wind (G50)
									Wind-damaged trees were blocking roads. Wind speed is estimated.
Douglas County									
8 E Gordon	13	1930CST			0	0			Thunderstorm Wind (G50)
									Fifteen poplar trees and a large oak were blown down. Wind speed is estimated.
Sawyer County									
4 N Hayward	25	1358CST			0	0			Hail (0.75)
<u>WISCONSIN, Southeast</u>									
Columbia County									
Portage Arpt	05	1439CST			0	0			Thunderstorm Wind (G54)
									Powerful thunderstorm winds measured at 62 mph at the airport blew down large trees and power lines in the city of Portage.
Dane County									
5 S Verona	05	1508CST			0	0			Thunderstorm Wind (G52)
									Powerful thunderstorm winds measured at 60 mph combined with heavy rains reduced visibility to zero south of Verona.
Dane County									
Oregon	05	1515CST			0	0	20K		Thunderstorm Wind
									Powerful thunderstorm winds toppled numerous trees in and around the city of Oregon.
Dodge County									
Randolph	05	1515CST			0	0			Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
WISCONSIN, Southeast							
Green Lake County Green Lake	05	1525CST			0 0	4K	Thunderstorm Wind
	Powerful thunderstorm winds measured at 60 mph toppled some large trees in Randolph.						
Dane County 4 N Oregon	05	1535CST			0 0	9K	Thunderstorm Wind
	Powerful thunderstorm winds knocked numerous large tree branches out of trees in and around the city of Green Lake.						
Fond Du Lac County Fond Du Lac	05	1550CST			0 0	50K	Thunderstorm Wind
	Powerful thunderstorm winds blew down large trees north of Oregon.						
Iowa County Highland	05	1605CST			0 0		Thunderstorm Wind (G52)
	Powerful thunderstorm winds measured at 60 mph blew down large trees in and near Highland.						
Iowa County Dodgeville	05	1615CST			0 0	18K	Thunderstorm Wind
	Powerful thunderstorm winds toppled large trees in and around Dodgeville.						
Dane County 1 W Token Creek	05	1750CST			0 0		Funnel Cloud
Fond Du Lac County St Peter	05	1809CST			0 0		Thunderstorm Wind (G51)
	Powerful thunderstorm winds were measured at 59 mph... and they toppled some large trees.						
Columbia County Columbus	05	1824CST			0 0		Thunderstorm Wind (G52)
	Powerful thunderstorm winds were measured at 60 mph... and toppled many large trees. Two inches of rain were measured in 45 minutes.						
Green County 10 NW Clarno	05	1833CST			0 0	20K	Thunderstorm Wind
	Powerful thunderstorm winds blew down many large trees northwest of Clarno.						
Jefferson County Ixonia	05	1900CST			0 0	12K	Thunderstorm Wind
	Powerful thunderstorm winds blew down large trees in Ixonia. The winds were estimated to be about 65 mph.						
Dane County Stoughton	05	1900CST			0 0	15K	Thunderstorm Wind
	Powerful thunderstorm winds blew down large trees in and around the city of Stoughton.						
Rock County 2 N Footville	05	1915CST			0 0	18K	Thunderstorm Wind
	Powerful thunderstorm winds toppled several large trees near Footville. The winds were estimated to be about 65 mph.						
Dane County Oregon	05	1925CST			0 0	20K	Thunderstorm Wind
	Powerful thunderstorm winds blew down several large trees around Oregon.						
Waukesha County .4 E Oconomowoc	05	1927CST			0 0	15K	Thunderstorm Wind
	Powerful thunderstorm winds toppled large trees just east of Oconomowoc as heavy rains reduced visibilities to near zero.						
Rock County Milton	05	2005CST			0 0	15K	Thunderstorm Wind
	Powerful thunderstorm winds knocked many large braches out of trees and blew down several large trees in the Milton to Janesville area.						
Rock County 3 E Edgerton	05	2020CST 2030CST			0 0	15K	Lightning
	Lightning struck a large pole shed on a farm, and the resultant fire destroyed the shed and its contents.						
Waukesha County New Berlin	05	2030CST			0 0	150K	Lightning
	Lightning struck a home and started a fire that completely burned the attic. The home may have been hit twice by lightning.						
Sheboygan County 3 E Waldo	05	2050CST			0 0	130K	Lightning
	Lightning struck a rural home, and the resultant fire completely destroyed the home and its contents. The residents were not home at the time.						
Waukesha County Menomonee Falls	05	2130CST			0 0	25K	Lightning
	Lightning struck a home's garage and started a fire. The garage was a total loss, and the home's kitchen suffered some smoke damage.						
Washington County 1.5 NW West Bend	05	2214CST			0 0	5K	Lightning
	Lightning struck a tree, and the electricity then traveled underground to fracture a natural gas main.						

Storm Data and Unusual Weather Phenomena

August 1996

August 1996										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage	Property	Crops	Character of Storm
<u>WISCONSIN, Southeast</u>										
Dane County Oregon	06	0830CST			0	0	250K			Lightning
	Lightning struck home near Oregon and started a slow-burning fire which gutted the home and its contents.									
Sauk County 3.5 SW Reedsburg	07	0300CST			0	0	50K	100K		Thunderstorm Wind
	Powerful thunderstorm winds blew down numerous large trees from southwest to east of Reedsburg. In addition, a pole shed and dog kennel were destroyed, a home's bay window was sucked out, and some crops leveled.									
Marquette County Briggsville	07	0310CST			0	0				Thunderstorm Wind (G52)
	Powerful thunderstorm winds toppled some large trees as winds gusted to 60 mph.									
Sheboygan County 1.5 ENE Glenbeulah	07	0505CST			0	0	15K			Thunderstorm Wind
	Powerful thunderstorm winds blew over large trees east/northeast of Glenbeulah.									
Walworth County Whitewater	19	1305CST			0	0	20K			Thunderstorm Wind
	Powerful thunderstorm winds blew over a few large trees on the UW-Whitewater campus. One of the trees fell on 3 automobiles, causing extensive damage.									
Columbia County Columbus	19	1310CST			0	0	100K			Thunderstorm Wind
	Powerful thunderstorm winds raked the city of Columbus, downing large trees, limbs, and some power lines.									
Dodge County 2 E Astico	19	1315CST			0	0	12K			Thunderstorm Wind
	Powerful thunderstorm winds blew over several large trees across a road.									
Dane County 5.5 SW Dane	19	1320CST			0	0	75K			Lightning
	Lightning struck a home in the Township of Dane, starting a fire that damaged part of the home.									
Waukesha County Brookfield	19	1350CST			0	0	10K			Thunderstorm Wind
	Powerful thunderstorm winds knocked numerous large trees branches out of trees in and around Brookfield.									
Milwaukee County North Milwaukee	19	1415CST			0	0	11K			Thunderstorm Wind
	Powerful thunderstorm winds knocked numerous large tree branches out of large trees on the north side of Milwaukee.									
Walworth County 2 N Darien	19	1800CST			0	0	150K			Thunderstorm Wind
	Powerful thunderstorm winds leveled a cattle pole shed and also damaged a granary. In addition, roof shingles were ripped off a machine shed and main barn.									
Washington County Germantown	21	1915CST			0	0	50K			Lightning
	A fire caused by lightning resulted in damage to a condo and its garage.									
<u>WISCONSIN, Southwest</u>										
Buffalo County 10 N Alma	07	0022CST			0	0	4.5K			Thunderstorm Wind (G52)
	Power lines and poles were blown down north of Alma from straight-line winds up to 60 mph.									
Buffalo County Fountain City	07	0030CST			0	0	0.40K			Thunderstorm Wind (G52)
	Straight-line winds of 60 mph blew down road signs.									
Trempealeau County Blair	07	0040CST			0	0	6K			Thunderstorm Wind (G52)
	Straight-line winds gusting to 60 mph knocked down power lines and poles.									
Jackson County 1.5 SW Taylor	07	0045CST			1	4	80K			Thunderstorm Wind (G52)
	Straight-line winds of 60 mph ripped through the Taylor area early in the morning injuring four persons and claiming the life of a 5 week old baby girl. The storm demolished three mobile homes, which were broadside to the wind, while another nearby mobile home parallel to the wind was untouched. F1MH									
Trempealeau County Galesville	07	0049CST			0	0				Thunderstorm Wind (G52)
	Straight-line winds gusted to 60 mph.									
La Crosse County Holmen	07	0055CST			0	0				Thunderstorm Wind (G50)
	Straight-line winds gusted to 58 mph.									
La Crosse County 5 S La Crosse	07	0110CST			0	0	0.40K			Thunderstorm Wind (G52)
	Large trees were blown down at Goose Island Park as straight-line winds gusted to 60 mph.									

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>WISCONSIN, Southwest</u>									
La Crosse County 3 S La Crosse	07	0115CST			0	0	5K		Thunderstorm Wind (G52)
	Straight-line winds of 60 mph blew a sail boat across a road south of La Crosse.								
Clark County Neillsville	07	0115CST			0	0	15K		Thunderstorm Wind (G52)
	Straight-line winds of 60 mph knocked over a mobile home and several large trees.								
Taylor County Medford	07	0120CST			0	0	7K		Thunderstorm Wind (G52)
	Power lines and poles were pushed down as straight-line winds gusted to 60 mph.								
Monroe County Cataract	07	0130CST			0	0	0.50K		Thunderstorm Wind (G52)
	Large trees were downed on County Road Q as straight-line winds gusted to 60 mph.								
Monroe County Sparta	07	0135CST			0	0	15K		Thunderstorm Wind (G52)
	Large trees were blown down on a van and a house as straight-line winds gusted to 60 mph.								
Vernon County La Farge	07	0143CST			0	0	4K		Thunderstorm Wind (G52)
	Large tree limbs and power lines were downed as straight-line winds gusted to 60 mph.								
Crawford County Lynxville	07	0143CST			0	0	10.5K		Thunderstorm Wind (G52)
	Straight-line winds of 60 mph knocked down telephone poles.								
Monroe County Tomah	07	0145CST			0	0	0.50K		Thunderstorm Wind (G52)
	Large trees were blown down as straight-line winds gusted to 60 mph.								
Crawford County Prairie Du Chien	07	0150CST			0	0	2.5K		Thunderstorm Wind (G52)
	Windows were blown out of some homes from straight-line winds gusting to 60 mph.								
Richland County Viola	07	0158CST			0	0	0.40K		Thunderstorm Wind (G52)
	Large trees were blown down from straight-line winds which gusted to 60 mph.								
Monroe County 3 N Oakdale	07	0200CST			0	0	0.30K		Thunderstorm Wind (G52)
	Straight-line winds to 60 mph blew down a large cluster of trees.								
Richland County Yuba	07	0209CST			0	0	0.50K		Thunderstorm Wind (G52)
	Straight-line winds to 60 mph blew down several large trees.								
Juneau County Necedah	07	0213CST			0	0	7.5K		Thunderstorm Wind (G52)
	Large trees and power lines were downed by straight-line winds of 60 mph.								
Richland County Richland Center	07	0215CST			0	0	0.35K		Thunderstorm Wind (G52)
	Large trees and limbs were blown down as straight-line winds gusted to 60 mph.								
Adams County Cottonville	07	0224CST			0	0	0.60K		Thunderstorm Wind (G52)
	Numerous trees were knocked down by straight-line winds of 60 mph.								
Adams County Big Flats	07	0225CST			0	0	0.80K		Thunderstorm Wind (G52)
	Numerous large trees were toppled by straight-line winds of 60 mph. There was no damage to buildings, except for a small shed that was lifted by the wind.								
Grant County Lancaster	07	0227CST			0	0	4K		Thunderstorm Wind (G52)
	Straight-line wind gusts to 60 mph downed large trees and power lines.								
Taylor County 3 E Jump River	22	0235CST			0	0	0.25K		Thunderstorm Wind (G52)
	Straight-line winds gusting to 60 mph broke off large limbs and damaged patio furniture.								
Trempealeau County Strum	25	1805CST			0	0			Hail (0.75)
Trempealeau County Osseo	25	1815CST			0	0			Hail (0.75)
Buffalo County 5 E Maxville	25	1938CST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
WISCONSIN, Southwest							
Trempealeau County 5 SW Osseo	25	2042CST			0 0	0.30K	Thunderstorm Wind (G52)
							Straight-line wind gusts to 60 mph blew down large trees.
Buffalo County Mondovi	25	2043CST			0 0		Hail (1.00)
Buffalo County 2 S Mondovi	25	2048CST			0 0		Thunderstorm Wind (G52)
							Six inch diameter tree branches were blown down as straight-line winds gusted to 60 mph.
WISCONSIN, West							
Dunn County Colfax	07	0000CST			0 0		Thunderstorm Wind (G52)
							Trees and powerlines down. Estimated windspeed.
Chippewa County Chippewa Falls	07	0010CST			0 0		Thunderstorm Wind (G52)
							Large tree limbs and powerlines down. Estimated windspeed.
Chippewa County Cadott	07	0023CST			0 0		Thunderstorm Wind (G50)
							Large tree limbs and power lines down. Estimated windspeed.
Rusk County Hawkins	07	0100CST			0 0		Thunderstorm Wind (G52)
							Large pine trees blown onto roofs. Power lines down. Shed roof damage.
Chippewa County Chippewa Falls	25	1600CST			0 0		Hail (0.75)
Chippewa County Jim Falls	25	1600CST			0 0		Hail (1.00)
Eau Claire County Eau Claire	25	1701CST			0 0		Hail (1.75)
Dunn County Meridean	25	1725CST			0 0		Hail (0.75)
Eau Claire County Eau Claire	25	1737CST			0 0		Hail (0.75)
Eau Claire County Eau Claire	25	1810CST			0 0		Hail (1.75)
Chippewa County Tilden	25	1835CST			0 0		Hail (0.75)
Chippewa County Cadott	25	2040CST			0 0		Hail (1.75)
WYOMING, Central and West							
Sweetwater County (Rks)Rock Spgs Arpt	01	1545MST			0 0		Thunderstorm Wind (G64)
Sweetwater County Point Of Rocks	01	1625MST			0 0		Thunderstorm Wind (G56)
Sublette County Big Piney	01	1645MST			0 0		Thunderstorm Wind (G52)
Sweetwater County Wamsutter	01	1655MST			0 0		Thunderstorm Wind (G56)
Sublette County 10 W Pinedale	01	1655MST			0 0		Thunderstorm Wind (G52)
Sublette County 3 NE Pinedale to Pinedale	01	1721MST			0 0		Thunderstorm Wind (G52)
WYZ001 Yellowstone National Park Mt Id	05	1000MST 1600MS T			0 3	54K	High Wind (G82)
Big Horn County Burlington	18	1600MST			0 0		Lightning
							11 head of cattle killed by lightning.
WYOMING, Extreme Southwest							
							NONE REPORTED.

Storm Data and Unusual Weather Phenomena

August 1996

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

WYOMING, North Central

NONE REPORTED.

WYOMING, Northeast

Crook County Aladdin	09	1600MST 1602MS T			0	0			Thunderstorm Wind (G52)
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Campbell County 12 E Wright	14	1530MST 1535MS T			0	0			Hail (0.75)
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Crook County Devils Tower	18	1800MST 1810MS T			0	0			Thunderstorm Wind (G50)
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A tree and numerous branches were downed by thunderstorm winds.

Crook County 3 SE Aladdin	18	1820MST 1830MS T			0	0			Thunderstorm Wind (G50)
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Four to five inch branches were broken off trees.

WYOMING, Southeast

Albany County Laramie	02	1745MST 1750MS T			0	0			Hail (0.75)
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Albany County 25 W Wheatland	05	1330MST 1600MS T			0	0	300K		Lightning
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Lightning sparked a fire that consumed 5000 acres by the time it was contained on August 12. Several buildings were destroyed.

Goshen County 4 W La Grange	09	1605MST 1612MS T			0	0			Hail (0.75)
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Laramie County 10 N Cheyenne	14	1540MST 1545MS T			0	0	30K		Hail (1.75)
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Laramie County 20 NE Cheyenne	14	1600MST 1607MS T			0	0	20K		Hail (1.75)
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Converse County 5 NE Bill	14	1625MST 1630MS T			0	0			Hail (0.75)
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Laramie County 20 NE Cheyenne	14	1655MST 1700MS T			0	0	20K		Hail (1.75)
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Laramie County 3 N Albin	14	1713MST 1718MS T			0	0			Hail (0.75)
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Laramie County Albin	14	1730MST 1745MS T			0	0	50K	10K	Hail (3.00)
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Hail, ranging in diameter from one inch to three inches caused crop damage as well as roof and car damage. The hail was in a path about one mile wide.

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>WYOMING, Southeast</u>									
Goshen County Yoder	14	1733MST 1738MS T			0	0	10K		Hail (1.75)
Goshen County 15 S Torrington	14	1744MST 1751MS T			0	0	10K		Hail (1.75)
The large hail broke car windshields.									
Converse County 9 SE Douglas	14	1829MST 1834MS T			0	0			Hail (0.75)
Platte County Glendo	15	1325MST 1330MS T			0	0	5K		Hail (1.75)
Laramie County Cheyenne	15	1330MST 1400MS T			0	0			Hail (1.00)
Laramie County 8 NE Cheyenne	15	1330MST 1405MS T			0	0	10K		Hail (1.75)
Platte County 5 SE Glendo	15	1340MST 1400MS T			0	0	10K		Hail (1.75)
Laramie County Cheyenne	15	1420MST 1425MS T			0	0			Hail (1.00)
Laramie County 8 NE Cheyenne	15	1440MST 1540MS T			0	0	10K		Urban/Sml Stream Fld
Heavy rainfall from thunderstorms caused some flooding of creeks in the area.									
Converse County Douglas	15	1520MST 1529MS T			0	0	30K		Hail (1.75)
Laramie County Cheyenne	20	1541MST 1545MS T			0	0			Thunderstorm Wind (G52)
Converse County 20 S Douglas	22	1735MST 1740MS T			0	0			Hail (1.75)
Albany County 25 NW Wheatland	22	1741MST 1748MS T			0	0			Hail (1.00)
Albany County 20 NW Wheatland	22	1813MST 1817MS T			0	0			Hail (1.00)
Platte County 20 NW Wheatland	22	1818MST 1825MS T			0	0			Hail (1.25)
Platte County Wheatland	23	1615MST 1620MS T			0	0	5K		Hail (1.75)

Storm Data and Unusual Weather Phenomena

August 1996

August 1996									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>WYOMING, Southeast</u>									
Niobrara County Redbird	28	1702MST 1708MS T			0	0	5K		Hail (3.50)
Large hail broke windows in the area.									
Niobrara County 4 SE Redbird	28	1727MST 1735MS T			0	0	5K		Hail (1.75)
Niobrara County 5 N Lusk	28	1850MST 1900MS T			0	0	5K		Hail (1.25)
Niobrara County 10 E Lusk	28	1910MST 1918MS T			0	0	10K		Hail (1.75)
Laramie County 29 N Cheyenne	29	1455MST 1503MS T			0	0	1K		Hail (1.75)
Laramie County 13 W Cheyenne	29	1505MST 1514MS T			0	0	5K		Hail (1.50)
Laramie County 8 N Cheyenne	29	1510MST 1520MS T			0	0			Hail (1.75)
Laramie County Cheyenne	29	1530MST 1555MS T			0	0	2.4M		Hail (1.75)
Large hail broke some car windows in Cheyenne and damaged numerous roofs.									
Laramie County Cheyenne	29	1540MST 1650MS T			0	0	30K		Urban/Sml Stream Fld
Heavy rainfall from thunderstorms caused flooding in and near Cheyenne. Some roads had up to a foot of water on them and some intersections were closed for a time. Some basements in the north part of town became flooded.									
Niobrara County 5 S Lusk	29	1735MST 1745MS T			0	0	10K		Thunderstorm Wind
Strong thunderstorm winds knocked down a shed.									

Storm Data and Unusual Weather Phenomena

May 1995

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

Additions / Corrections

TEXAS, North

Tarrant County Ft Worth

05 1820CST 0 109 300M Hail (4.50)

At Trinity Park, just west of downtown Fort Worth, an outdoor festival called Mayfest was in progress. Over 10,000 persons were caught in the open with little shelter from hail up to softball size. 109 people were treated for injuries at hospitals and 4 persons were in critical condition. Many of the injuries occurred as parents covered their children with their bodies in an attempt to protect them from the large hail.

Tarrant County Ft Worth

05 1900CST 0 0 30M Thunderstorm Wind

A GM parts plant at I-35 and Everman Parkway had 20 million dollars damage done to a collapsed roof and blown in wall. In the same area, Morgan Spa reported major damage, and an RV park just north of Morgan Spa had 15 to 20 RV's blown from west to east and stacked up against a cyclone fence.

Dallas County Dallas

05 2000CST 2 21 500K Heavy Rain

The roof of the Haggard Plant near Love Field collapsed from too much water, crushing two people to death. In addition, 21 persons were injured, and 100 other people were trapped by fallen debris. F60BU, F26BU

Dallas County Dallas

05 2000CST 16 2 400M Flash Flood

Over three inches of rain in 30 minutes and up to 5 inches in one hour caused massive flash flooding across the city of Dallas. 16 persons drowned, most were in cars trying to cross flooded intersections, low-lying areas, or flooded creeks. The flooding destroyed 4 single family homes and damaged 93 others. 166 multi-family housing units were destroyed. Major damage occurred to 54 businesses. \$375,000 damage was reported to public schools. F53VE, M52VE, F10VE, M2VE, F25VE, M34OU, M33OU, F63VE, F38VE, M41VE, M69VE, M40OU, F38VE, F68VE, M?OU, M?OU

Storm Data and Unusual Weather Phenomena

March 1996

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

KANSAS, Southeast

Chautauqua County									
10 N Sedan	27	2010CST			0	0			Thunderstorm Wind (G77)
Sedgwick County									
Wichita	27	2152CST			0	0			Hail (0.75)
Butler County									
Andover	27	2201CST			0	0			Hail (0.75)
Greenwood County									
Eureka	27	2315CST			0	0			Hail (1.00)

Storm Data and Unusual Weather Phenomena

April 1996

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

Additions / Corrections

ARKANSAS, Northwest

Sebastian County									
Fort Smith	21	2212CST 2218CST F2PH, M5PH	4	1050	2	40	150M		Tornado (F2)
Crawford County									
Van Buren to 1 S Rudy	21	2218CST 2228CST	6	1050	0	49	150M		Tornado (F3)
Crawford County									
Van Buren	21	2223CST			0	0	2K		Thunderstorm Wind
Crawford County									
2 N Rudy	21	2230CST			0	0	3K		Thunderstorm Wind

CALIFORNIA, North Central

Stanislaus County									
Newman	01	1440PST 1445PST	0.1	50	0	0			Tornado (F0)

The staff of Orestimba High School in the northwest portion of the town witnessed the small tornado approaching from the south-southeast. It ripped the roof off a small shed and destroyed an athletic field sign.

OKLAHOMA, Northeast

Sequoyah County									
Moffett	21	2212CST	0.1	50	0	0			Tornado (F1)
Creek County									
Bristow	21	2215CST			0	0	0.10K		Thunderstorm Wind
Tulsa County									
Tulsa	21	2224CST			0	0			Hail (0.75)

WYOMING, Central and West

WYZ015	Natrona								
	19	0300MST 0900MST			0	0			Winter Storm

Up to 8 inches of snow fell across Natrona County during the morning. Numerous rural schools were closed.

WYZ012	Lander Foothills								
	24	0830MST 1600MST			0	0			High Wind (G72)

Strong winds blew across most of western and central Wyoming on this day, but the damaging winds were confined mainly to the Lander area. Emergency Management Official in Lander estimated that up to 30 percent of the homes in Lander were damaged. Numerous large trees were also blown over. Damage estimated at \$530,000.

Storm Data and Unusual Weather Phenomena

May 1996

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

Additions / Corrections

KANSAS, Southwest

Lane County

Dighton

09 2312CST 0 0 1.8M 750K Hail (1.75)

Hail and wind cut a path 2 miles wide along hiway 96 across the entire county. Hail was piled 6 inches deep and was visible for several days after. Siding was extensively damaged on many homes...roofs were damaged...trees had bark stripped off. Eight power poles were broken along highway K96. Property damage across the entire county was more than 2.5 million dollars.

Ness County

1 N Ness City

09 2350CST 0 0 1.2M 750K Hail (1.75)

Eight mile wide area of hail and wind moved across the county along and near kansas highway 96. Golf ball size hail and 80 mph wind were produced by a vicious thunderstorm that moved all the way from Scott county during the late evening hours.

Stevens County

5 S Woods to 2 E Woods

26 1439CST 5 200 0 0 40K Tornado (F1)

Seward County

2 E Woods to 8 NE Woods

26 1449CST 8 200 0 0 150K Tornado (F1)

Trees uprooted...minor damage to a home...several grain bins damaged and an implement overturned. Tornado continued into Seward county. In Seward county 3 irrigation sprinklers were destroyed...with hay bales tossed and a few trees uprooted.

Seward County

11 N Liberal to 6 S Sublette

26 1503CST 14 450 0 0 200K 140K Tornado (F2)

Haskell County

6 S Sublette to 4 ESE Sublette

26 1528CST 6 150 0 0 100K Tornado (F2)

2 irrigation sprinklers destroyed...fertilizer tanks carried over 1 mile...2 houses damaged...fence destroyed...trees uprooted...hay bales tossed...30 foot radio tower blown down...wheat plants pulled up...farm building heavily damaged...flood irrigation pipe scattered about.

Seward County

8 SSW Sublette to 6 SSW Sublette

26 1520CST 2 30 0 0 2K Tornado (F0)

Haskell County

6 SSW Sublette to 4 S Sublette

26 1524CST 2 30 0 0 10K Tornado (F0)

Brief spinup occurred near the track of the 1503-1537 entry. Small shed destroyed...house damaged and trees uprooted.

Haskell County

8 NE Sublette to 15 NE Sublette

26 1535CST 6 150 0 0 5K Tornado (F0)

Gray County

15 NE Sublette to 4 NE Ingalls

26 1545CST 22 900 0 0 2M 150K Tornado (F3)

The thunderstorm that produced the F2 tornado in Seward and Haskell counties spun up an even bigger tornado further into Haskell and Gray counties. The tornado took a few trees in Haskell county. In Gray county...34 irrigation sprinklers systems were damaged or destroyed...power poles were snapped...2 houses were damaged...a barn was destroyed...a truck overturned...flood irrigation pipe was tossed like match sticks. In fact...one witness reported the 30 foot pieces of pipe were 4 or 5 hundred feet in the air. In addition...3 inch high corn plants were completely removed...leaving the field bare. Several people video taping the tornado were chased by the tornado...only to take shelter under a bridge. The tornado passed about 1/2 mile east of them while they watched 5 inch diameter hail pound the ground.

WYOMING, Central and West

WYZ022

Rock Springs/Green River

16 1815MST

Thunderstorm wind gust.

0 0

High Wind (G53)

Storm Data and Unusual Weather Phenomena

June 1996

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

Additions / Corrections

KANSAS, Southwest

Kiowa County Mullinville

11	1843CST	0	0	1.5M	Thunderstorm Wind (G95)				
Downburst with winds estimated over 100 MPH with numerous reports of roof and vehicle damage. Lots of trees and limbs down. Roof blown off a read-mix plant...elevator doors blown off and shed blown several blocks. Power lines also down. This storm was accompanied by large hail just southeast of town. Wind was associated with rear flank downdraft rotating around the north side of the southwest moving storm.									

Stanton County 8 N Big Bow

24	1635CST	0	0	Hail (0.75)					
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WYOMING, Central and West

Lincoln County Kemmerer

20	1400MST	0	0	Dry Microburst					
Microburst									

Teton County Jackson

21	1900MST	0	0	Hail (1.75)					
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Teton County Jackson

22	0200MST	0	0	Hail (1.75)					
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Storm Data and Unusual Weather Phenomena

July 1996

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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Additions / Corrections

PENNSYLVANIA, Central

July 1996 - Pages 265 through 271

*** All references to Thunderstorm Wind (G15) should read Thunderstorm Wind (G50)

Lycoming County

Loyalsockville

08	1305EST 1310EST	1	30	0	0		Tornado (F1)
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A small tornado touched down just north of Loyalsockville and moved southeast causing damage along a 1 mile path. Trees were snapped and uprooted. Skirting was blown off trailers and some windows were blown in at the Tiadaghton View Trailer Court on Back Street. A parsonage on Kaiser Hollow Road was severely damaged when two huge oak trees fell on the structure.

Clearfield County

1W New Washington to 2Sw Lyleville

19	1015EST 1030EST	10	200	0	0		Tornado (F1)
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Cambria County

2Sw Lyleville to 2E Frugality

19	1035EST 1046EST	8.4	200	0	0		Tornado (F2)
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An F1 to weak F2 tornado touched down in Clearfield County near New Washington around 10:15 a.m. EST. The tornado moved southeast approximately 19 miles along a curved path crossing Five Points into Cambria County across Glendale Lake before ending 2 miles east of Frugality. This storm damaged several mobile homes and farms in Five Points, picked a boat out of the water on Glendale Lake and felled many trees along its path. A herringbone tree pattern was apparent along with suction vortex damage to crops.

Blair County

1Nw Sickles Corner to .5Se Sickles Corner

19	1110EST 1115EST	1.5	880	0	0		Tornado (F1)
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Shortly after 11:00 a.m. EST, an F1 tornado touched down northeast of Altoona approximately 1 mile northwest of Sickles Corner on Brush Mountain. This tornado moved southeast taking down a swath of trees and causing minor damage to homes along a 1.5 mile path before ending one half mile southeast of Sickles Corner. The path width averaged about one half mile wide. This storm was the fourth in the family of tornadoes that had crossed Clarion, Jefferson, Indiana, Clearfield and Cambria counties.

Adams County

McKnightstown

19	1335EST 1340EST	1	150	0	0		Tornado (F1)
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An F1 tornado touched down around 1:35 p.m. EST near McKnightstown and moved east-southeast for one mile. The path width was 150 yards with peak winds estimated between 70 and 80 mph. Most of the damage was to trees, but a part of a church steeple roof was lifted, and several outbuildings had parts of roofs removed. A small greenhouse had windows smashed and a small branch projectile was embedded in the side of a garage.

Franklin County

Shippensburg to 3E Shippensburg

30	1830EST	3	440	0	0		Tornado (F1)
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An F1 tornado touched down about 6:30 p.m. EST in Southampton Township in Franklin County on the west side of Shippensburg. The storm moved east and northeast about 3 miles causing the most destruction across southeast sections of Shippensburg in Cumberland County. Along a path width of 1/4 mile, many trees were blown down or damaged and a number of homes had minor structural damage. One home had a roof blown off in the southeast section of town on Old Baltimore Road.

STORM DAMAGE CATEGORIES

REFERENCE NOTES

1	Less than \$50	0 / Blank	None reported.
2	\$50 to \$500	*	Miles instead of yards.
3	\$500 to \$5,000	**	Yards instead of miles.
4	\$5,000 to \$50,000	@	Includes heavy sleet storm.
5	\$50,000 to \$500,000	#	Freezing drizzle and freezing rain, commonly known as glaze.
6	\$500,000 to \$5 Million	=	Report incomplete.
7	\$5 Million to \$50 Million	= =	Report not received.
8	\$50 Million to \$500 Million	o/c	Indicates Crop Damage amount is included in the value give for property damage.
9	\$500 Million to \$5 Billion		

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; signs and billboards damaged.

(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 from frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light-object missiles generated.

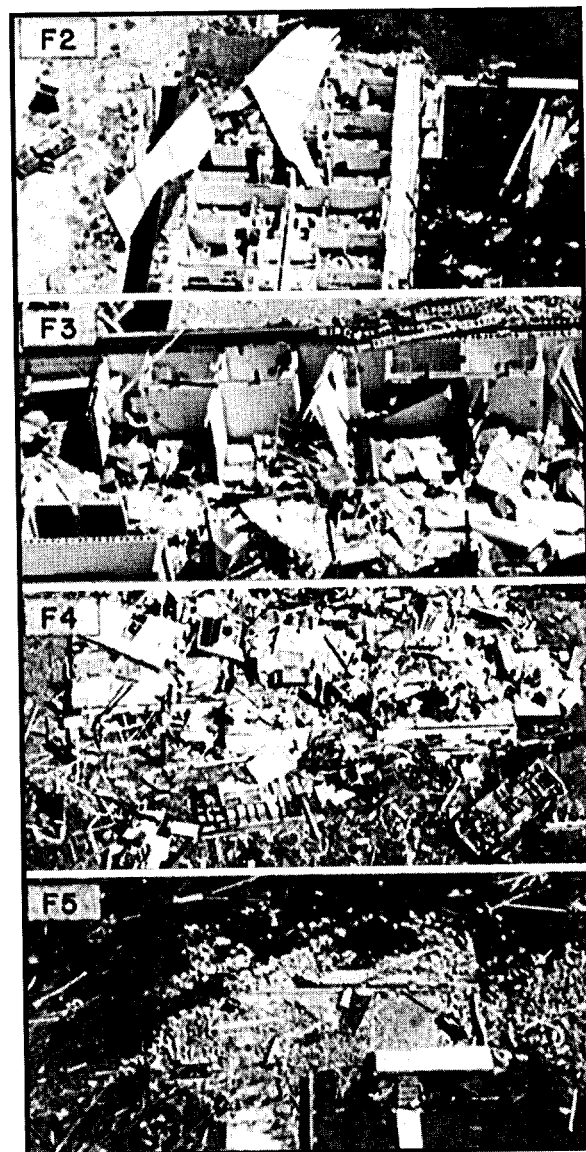
(F3) Severe tornado (158-206 mph): Severe damage; Roofs and some walls torn from well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.

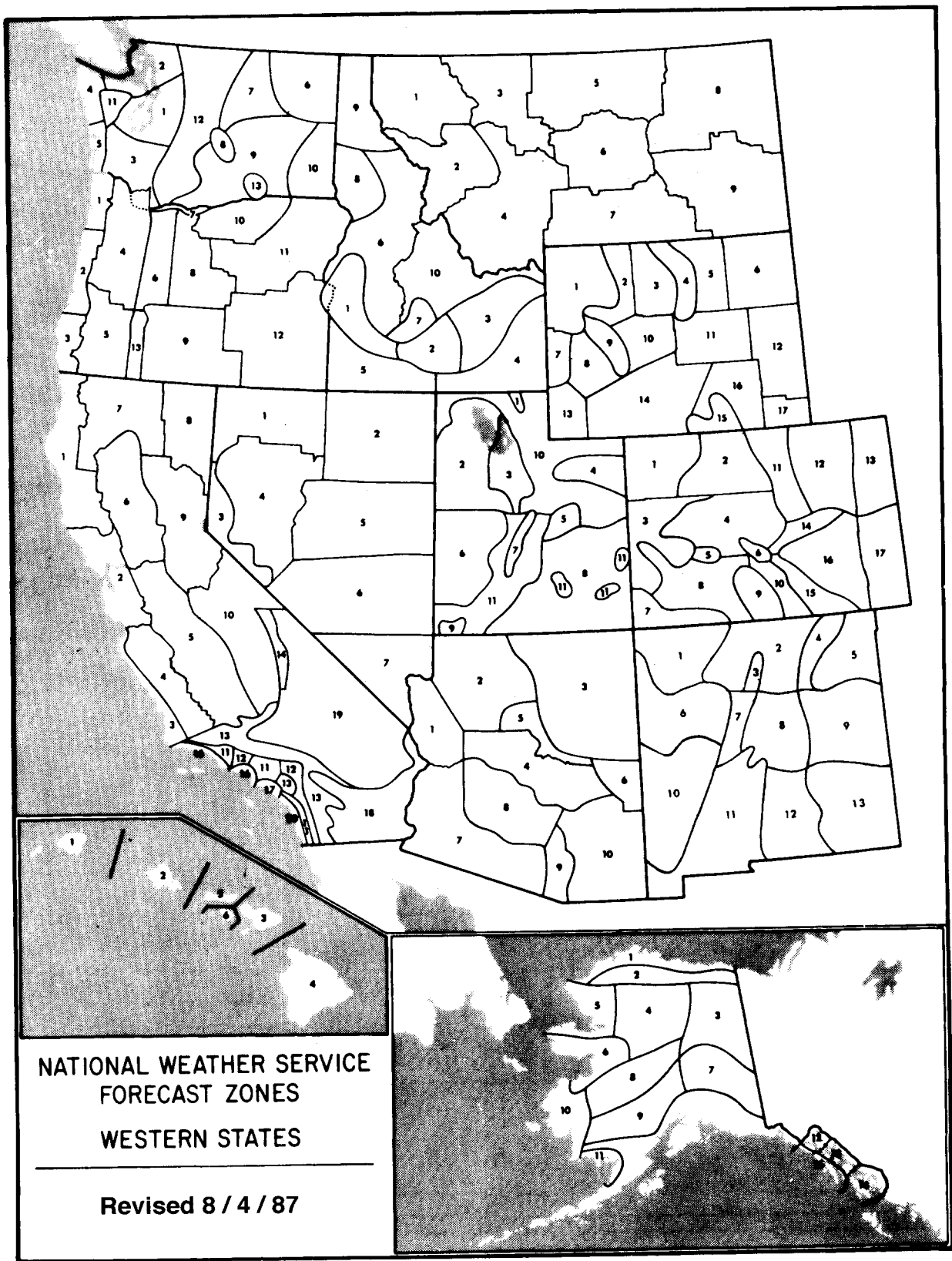
(F4) Devastating tornado (207-260 mph): Devastating damage; Well-constructed houses leveled; structure with weak foundations blown off some distance; cars thrown and large missiles generated.

(F5) Incredible tornado (261-318 mph): Incredible damage; Strong frame houses lifted from foundation and carried considerable distance to disintegrate; automobile-sized missiles fly through the air in excess of 100 meters; trees debarked; incredible phenomena will occur.

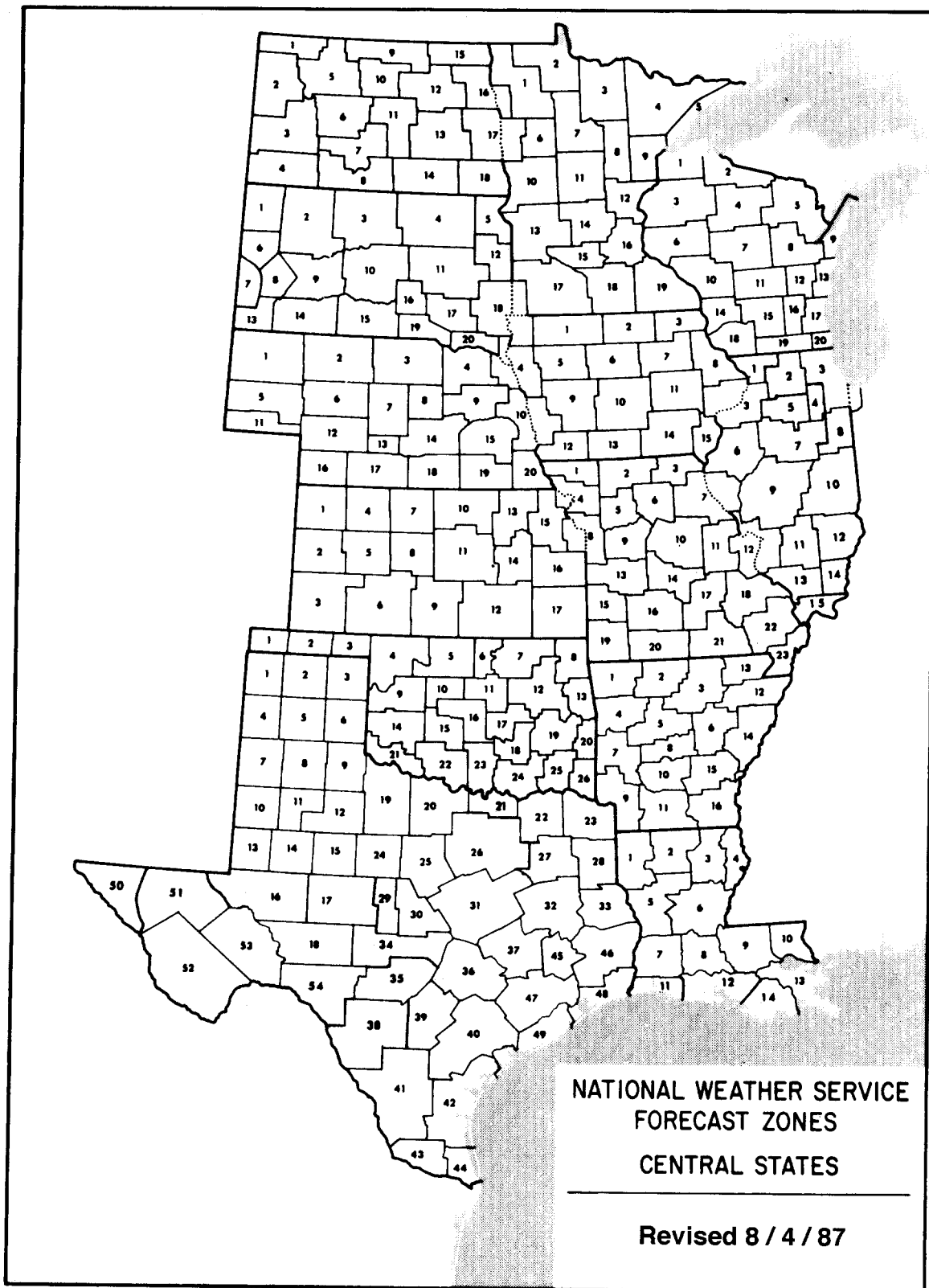
(F6-F12) (319 mph to Mach 1, the speed of sound): The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

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

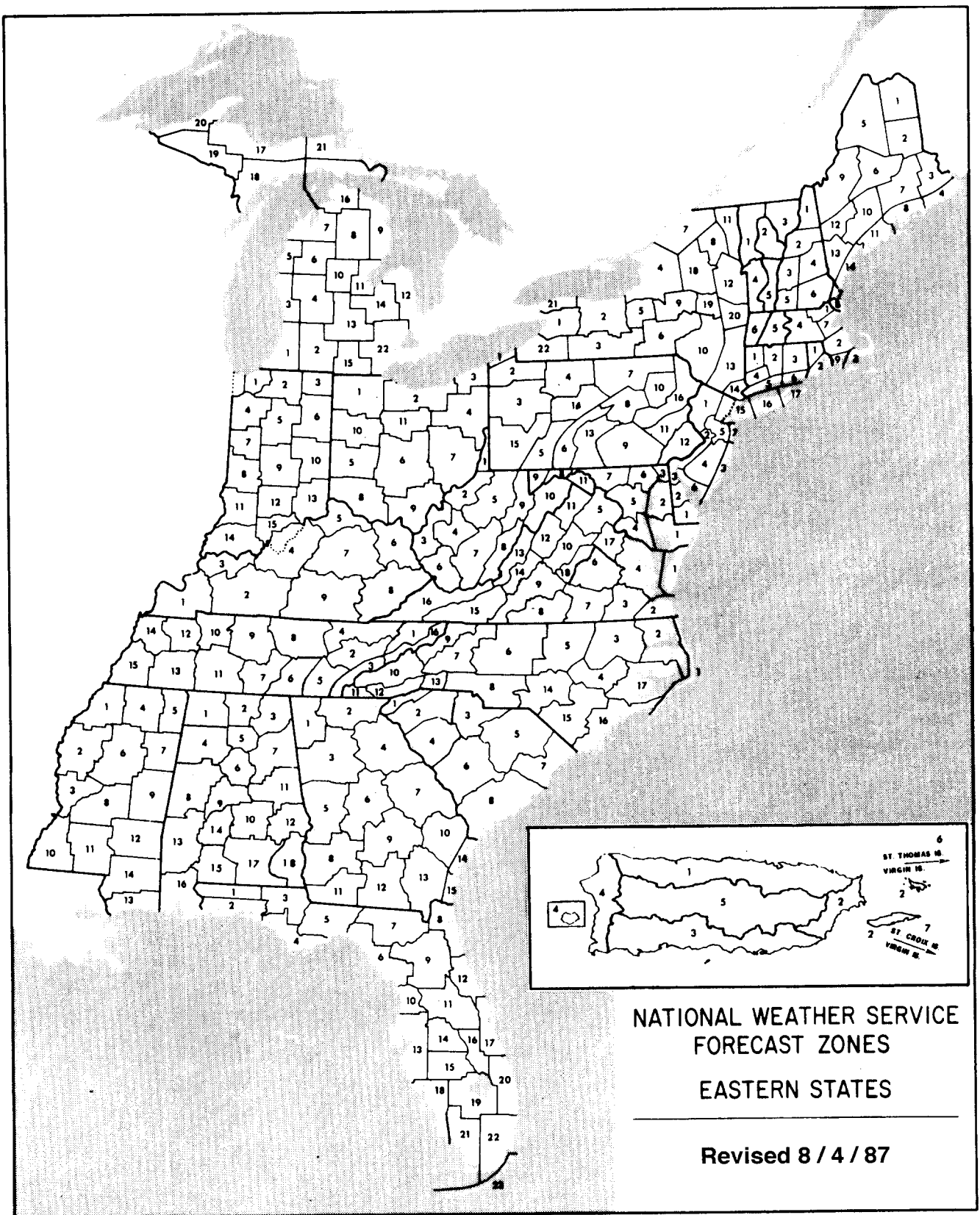




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