

**FEBRUARY 1997  
VOLUME 39  
NUMBER 2**

# **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:** The Northern Plains were hit hard with blizzards in February 1997. These snow drifts in Watertown, South Dakota are over 12 feet high. Drifts as high as 20 feet were reported in some sections of the northern plains during the winter season. See page 7 for details (*Photograph courtesy of the State of South Dakota*)

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### **STORM DATA**

(ISSN 0039-1972)

National Climatic Data Center

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**STORM DATA** is prepared, funded, and distributed by the National Oceanic and Atmospheric Administration (NOAA). The Outstanding Storms of the Month section is prepared by the Data Operations Branch of the National Climatic Data Center.

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 Storm Prediction 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 County Warning Areas 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.

Subscription, pricing, and ordering information is available from:

National Climatic Data Center  
151 Patton Avenue  
Asheville, NC 28801-5001  
(704) 271-4800 or (704) CLIMATE

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:

Stuart Hinson  
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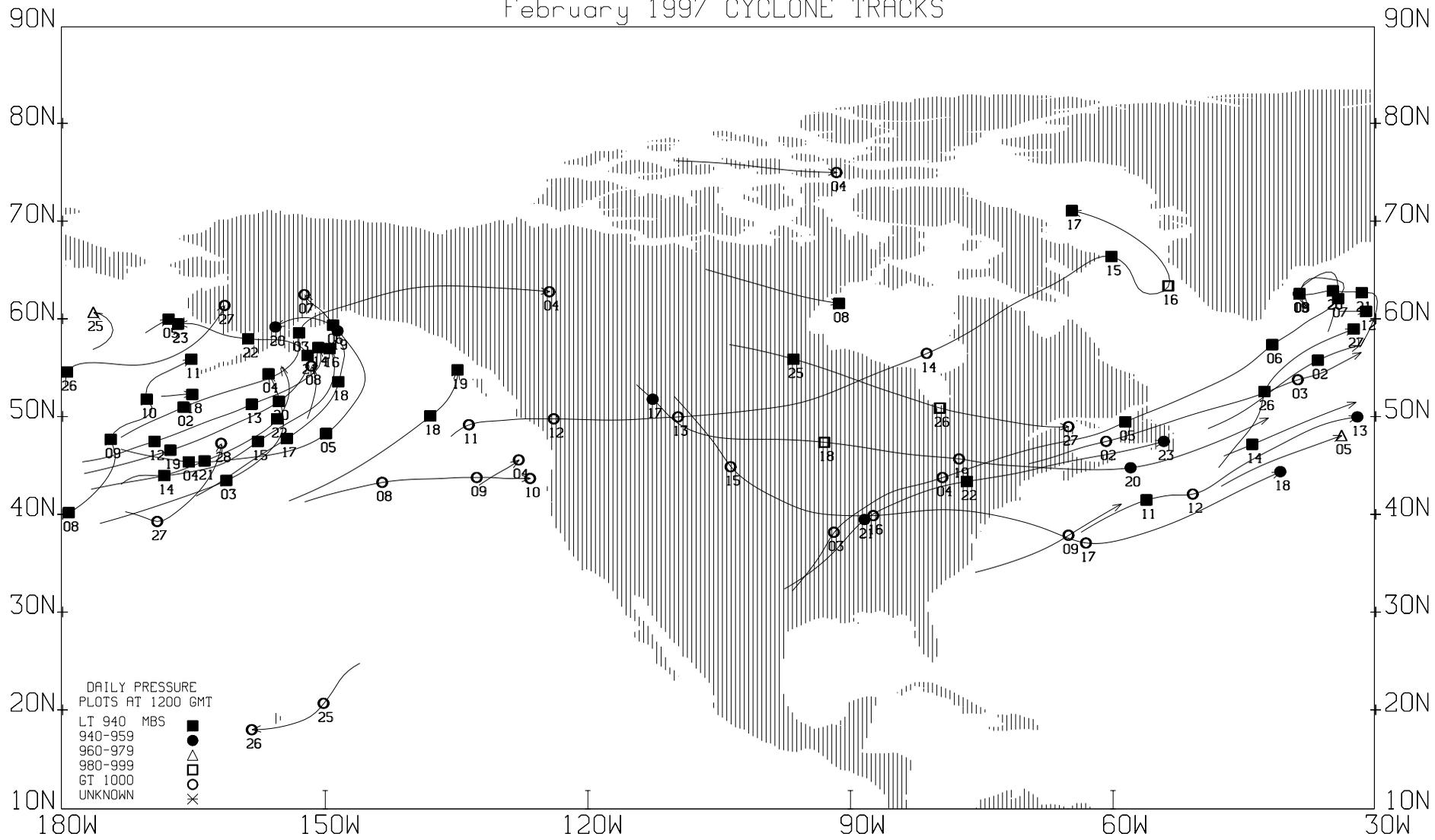
Any such items received by the editor will be for use in **STORM DATA** only. Any other use will be with the permission of the owner of said items. Materials submitted will be returned if requested in the original submission.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration and is compiled from information received at the National Climatic Data Center, Asheville, North Carolina 28801-2733."



Acting Director,  
National Climatic Data Center

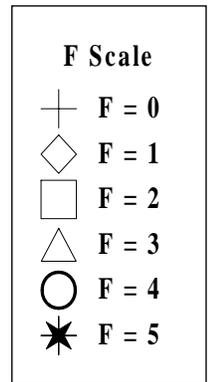
# February 1997 CYCLONE TRACKS



# Corrected January 1997 Confirmed Tornadoes



4



F Scale	F0	F1	F2	F3	F4	F5	Total
Number	13	23	17	0	1	0	54

# February 1997 Confirmed Tornadoes



F Scale	F0	F1	F2	F3	F4	F5	Total
Number	15	5	3	0	0	0	23

F Scale	
+	F0
◇	F1
□	F2
△	F3
○	F4
★	F5

## OUTSTANDING STORMS OF THE MONTH

### BLIZZARDS AND EXTREME COLD IN NORTHERN PLAINS

An extremely brutal winter with very cold temperatures, excessive snowfall amounts and high winds caused 10 separate blizzard events in the northern plains from November 1996 through April 1997. The southern branch of a split polar jet stream pushed cold air from the arctic into the northern plains. Surface temperatures dropped below -20 degrees Fahrenheit with wind speeds of 40 to 60 mph. Windchill factors of -80 to -90 degrees Fahrenheit were reported in some areas. Blowing and drifting snow created snow drifts as high as twenty feet, almost completely shutting down the northern plains. The blizzards caused an enormous economic impact to this region. There were substantial losses of livestock, property, stored crops and un-plantable acreage (due to spring flooding). The loss of livestock was estimated at 500,000 head worth approximately \$150 million. Travelers and commuters were forced to seek refuge at local hotels. White-out conditions caused many vehicles to become stranded on roadways, in ditches or stuck in snow banks. Some motorists waited many hours before being rescued by state personnel. States closed down airports, halted railroad service and delayed mail delivery.



*This home in Bowdle, SD was partially covered by an 18 foot snow drift.*



*Sections of Perkins County Route 3 were completely covered by drifts.*



*Deano's Steakhouse & Lounge on Main Street in Claire City is barely visible beneath 12 foot snow drifts.*



*This Pickup truck near Big Stone Lake is dwarfed by the sides of a recently cleared snow drift.*

*All photographs courtesy of the local law enforcement and emergency management offices of the State of South Dakota. Special Thanks to Lt. Bill Mickelson, SD Highway Patrol, & John Austin, Governors Office, Pierre, SD.*



*East Main street in Bowdle, SD is completely blocked by a 12 foot snow drift.*



*One of the many pieces of snow removal equipment is clearing Main Street in Claire City, SD.*



*A Perkins County, SD Emergency Management vehicle drives between walls of snow on a recently cleared road.*



*A pine tree can be seen protruding through the top of a snow drift near this farm house in Wessington Springs, SD.*



*The blizzard's winds caused the snow to stick to the sides of trees and homes. This house is in Salem City, SD.*



*A farmer in Sisseton, SD had to dig a trench through a drift so his cattle could get to fresh water.*

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>ALABAMA, North Central</b>									
<b>Lauderdale County</b>									
St Florian	03	0530CST			0	0	5K	0	Hail (0.75)
The EMA office reported the ground covered with pea to dime size hail to a depth of about 2 inches at St. Florian in the southern part of Lauderdale County.									
<b>Colbert County</b>									
Leighton	03	0530CST			0	0	5K	0	Hail (0.75)
Dime size hail was reported at Leighton by the EMA. Leighton is in the eastern part of the county.									
<b>Colbert County</b>									
Cherokee	21	0600CST			0	0	10K	0	Thunderstorm Wind (G50)
Several small outbuildings were flattened, power lines were downed, and two large trees were toppled by the wind near Cherokee in the western part of the county.									
<b>Marion County</b>									
Hackleburg	21	0605CST			0	0	8K	0	Thunderstorm Wind (G50)
Tin was torn off roofs and several trees were downed in the Hackleburg and Bear Creek areas in northern Marion County.									
<b>Colbert County</b>									
Sheffield	21	0618CST			0	0	10K	0	Thunderstorm Wind (G50)
The Terrace Baptist Church had part of a metal roof peeled back.									
<b>Fayette County</b>									
Bankston	21	0630CST			0	0	5K	2K	Thunderstorm Wind (G50)
Trees were reported down in Bankston in southeast Fayette County.									
<b>Winston County</b>									
Haleyville to 5 E Haleyville	21	0632CST 0635CST			0	0	10K	2K	Thunderstorm Wind (G50)
Trees and power lines were reported down in the Haleyville area and east of Haleyville along County Roads 10 and 30.									
<b>Lawrence County</b>									
Mt Hope	21	0643CST			0	0	8K	0	Thunderstorm Wind (G55)
A barn roof was blown off, two trailers were damaged, and trees and fences were blown down in Mt. Hope in western Lawrence County.									
<b>Fayette County</b>									
Concord	21	0710CST			0	0	5K	0	Thunderstorm Wind (G50)
Trees were reported downed in the Concord area of southern Fayette County.									
<b>Morgan County</b>									
Decatur	21	0710CST			0	0	4K	0	Lightning
Lightning struck a large sign at a car dealership putting a hole in the roof of the building.									
<b>Morgan County</b>									
Decatur	21	0710CST			0	0	4K	0	Thunderstorm Wind (G50)
Trees were blown down in the southwest part of Decatur.									
<b>Lauderdale County</b>									
Florence	21	0712CST			0	0	20K	0	Lightning
Lightning struck a historic house in Florence. The lightning apparently traveled through the wiring of the house causing a fire under the floor. The structure was heavily damaged by the fire.									
<b>Madison County</b>									
Huntsville	21	0717CST			0	0	18K	0	Thunderstorm Wind (G54)
The Huntsville airport fire station lost it's roof during a wind gust that was measured to 62 mph by the weather equipment at the airport.									
<b>Cullman County</b>									
Cullman	21	0740CST			0	0	2K	0	Flash Flood
Street flooding was reported in Cullman as a result of heavy rain.									
<b>Limestone County</b>									
Ardmore	21	0821CST			0	0	5K	0	Thunderstorm Wind (G50)
Trees and power lines were reported down in Ardmore in northeaster Limestone County.									
<b>Marengo County</b>									
Thomaston	21	0835CST			0	0	15K	0	Thunderstorm Wind (G55)
Numerous trees and power lines were downed. Stop lights were downed. A storage building and tin roofs were destroyed. Highways 25 and 28 were closed for a time due to debris in the road. Thomaston is in eastern Marengo County.									
<b>Dallas County</b>									
Orrville	21	0900CST			0	0	15K	2K	Thunderstorm Wind (G55)
Three trailers were destroyed and one trailer was damaged along with downed trees. A concrete block building suffered major									

# Storm Data and Unusual Weather Phenomena

February 1997

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

damage. Orrville is in the western part of the county.

### **Bibb County**

<b>5 WSW West Blocton</b>	21	0910CST 0911CST			0	0	4K	1K	<b>Thunderstorm Wind (G55)</b>
---------------------------	----	--------------------	--	--	---	---	----	----	--------------------------------

What appeared to be a small but powerful downburst occurred in northern Bibb County about 5 miles west-southwest of West Blocton. Trees were downed and a couple of mobile homes sustained minor damage along with a storage shed. The damage path was slightly less than a mile long and only about 50 yards wide.

### **Shelby County**

<b>2 NW Maylene</b>	21	0935CST 0936CST	0.5	50	0	0	15K	0	<b>Tornado (F0)</b>
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A small tornado occurred at the Brantleyville community about 2 miles northwest of Maylene in southwest Shelby County. The tornado track was very short with a number of trees downed and damage to several frame houses in the form on shingles off. A tree fell on one house.

### **Autauga County**

<b>Autaugaville</b>	21	0955CST			0	0	8K	0	<b>Thunderstorm Wind (G50)</b>
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The EMA reported several trees and power lines down in Autaugaville as a line of thunderstorms moved through the town.

### **Montgomery County**

<b>Montgomery</b>	21	1035CST			0	0	10K	0	<b>Thunderstorm Wind (G76)</b>
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Numerous trees and power lines were downed in Montgomery. A wind gust to 87 mph was reported at Maxwell Air Force Base on the western side of Montgomery.

### **Franklin County**

<b>Vina</b>	27	0130CST			0	0	2K	0	<b>Hail (0.75)</b>
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Dime size hail was reported at Vina in western Franklin County.

### **Colbert County**

<b>Sheffield</b>	27	0134CST			0	0	5K	0	<b>Thunderstorm Wind</b>
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Power lines were blown down in Sheffield.

### **ALZ024**

#### **Jefferson**

<b>27</b>		0550CST			0	0	5K	0	<b>High Wind (G45)</b>
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Several trees and power lines were knocked down by strong gradient wind.

### **Walker County**

<b>Jasper</b>	28	0700CST 0800CST			0	0	10K	0	<b>Flash Flood</b>
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Heavy rain produced flash flooding in Jasper. Two to three feet of water was reported on some roads. School opening was delay one hour due to the flash flooding.

### **Etowah County**

<b>Gadsden</b>	28	0840CST 0900CST			0	0	10K	0	<b>Flash Flood</b>
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Flash flooding was reported in Gadsden and Attalla. Three to four feet of water flooded streets in several locations in these cities.

### **Elmore County**

<b>Elmore</b>	28	1200CST 1300CST			0	0	10K	0	<b>Flash Flood</b>
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Several streets were closed in the Elmore and Lucky Town communities due to several feet of water over a number of roads. Alabama Highway 143 was one of the roads closed by flash flooding. A few homes in Lucky Town were flooded when water got into them.

## ALABAMA, Southeast

NONE REPORTED.

## ALABAMA, Southwest

### **Choctaw County**

<b>Womack Hill</b>	21	0745CST 0746CST			0	0	2K		<b>Thunderstorm Wind (G50)</b>
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Several trees and power lines were blown down in Womack Hill.

### **Clarke County**

<b>8 W Grove Hill to 7 W Grove Hill</b>	21	0810CST 0811CST			0	0	2K		<b>Thunderstorm Wind (G50)</b>
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Several trees were blown down along U.S. Highway 84 between Coffeetown and Grove Hill. One of the trees blocked the roadway for a short period of time.

# Storm Data and Unusual Weather Phenomena

February 1997

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

### **Mobile County**

<b>Theodore</b>	21	1100CST			0	0	5K		<b>Thunderstorm Wind (G60)</b>
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High winds blew down a 45 foot tower near Theodore.

## ALASKA, Northern

### **AKZ001-024**

#### **Arctic Slope Coastal - St. Lawrence Island-Bering Strait Coast**

02	1215AST				0	0			<b>Blizzard</b>
04	0000AST								

A large storm moved from the North Pacific to the Aleutian Islands causing strong winds and spreading snow north over the west coast of Alaska. Max winds occurred: Zone 24: Gambell 39 kts, g46 kts; Tin City 42 kts.

### **AKZ006**

#### **Southern Seward Peninsula-Eastern Norton Sound**

13	1400AST				0	0			<b>High Wind (G47)</b>
	1700AST								

A strong Low in the Gulf of Alaska and High pressure over the Arctic Ocean were stationary producing a moderate pressure gradient. A disturbance from the Low moved west across the Interior to the Bering Sea, resulting in brief strong winds at Unalakleet: sustained 38 kts, gusts 47 kts.

### **AKZ001**

#### **Arctic Slope Coastal**

17	0835AST				0	0			<b>Blizzard</b>
	1155AST								

High pressure over Great Bear Lake and a small Low over northwest Alaska (far western Brooks Range) combined to produce a strong wind gradient resulting in blizzard conditions at Kaktovik (Barter Island). Blizzard conditions likely extended east over the remainder of the coast to Canada: Komakuk Beach reported high winds (maximum sustained 39 kts) from 16/2200 to 17/2300.

### **AKZ006-024**

#### **Southern Seward Peninsula-Eastern Norton Sound - St. Lawrence Island-Bering Strait Coast**

19	1400AST				0	0			<b>Winter Storm</b>
	22 1400AST								

Strong High pressure over the Chukotsk Peninsula while a weather front over Interior Alaska intensified and moved slowly west. Wind Chills over Zone 6 only verified at Quartz Creek, a BLM Remote Automated Weather Station north of Nome over the inland Seward Peninsula, reaching values of -70 to -80 F. Wind Chills over Zone 24: Gambell -70 to -80 F, Port Clarence Coast Guard Station about -75 F. Strong winds were noted at Tin City with maximum sustained at 45 kts, gusts 49 kts.

### **AKZ005**

#### **Lower Kobuk Valley-Northern Seward Peninsula**

19	1800AST				0	0			<b>Blizzard</b>
	2200AST								

An Arctic cold front moving east across the zone with high pressure building over the Chukotsk Peninsula brought blizzard condition at Kotzebue and perhaps nearby areas. Other reporting sites in the zone did not receive such conditions.

### **AKZ024**

#### **St. Lawrence Island-Bering Strait Coast**

27	0500AST				0	0			<b>High Wind (G44)</b>
	28 0700AST								

Strong High Pressure over Far East Russia and cold air moving south over the West Coast of Alaska produced strong winds at Tin City, possibly at Wales. Winds of criteria were not achieved at Gambell or Savoonga. Tin City: sustained 42 kts, gust 44 kts.

## ALASKA, Southeast

NONE REPORTED.

## ALASKA, Southern

### **AKZ021>023**

#### **Western Alaska Peninsula - Eastern Aleutians - St. Paul Island**

01	1000AST				0	0			<b>High Wind (G47)</b>
	03 1700AST								

A 956mb low was located about 240 miles south of Adak in the central Aleutians Saturday. Although the original center remained nearly stationary and weakened...a second center developed and moved to near Dutch Harbor late Saturday and early Sunday. Along the northwest side of the low...brisk northeasterly wind gusts from 40 to near 55 mph were observed.

### **AKZ019>020**

#### **Central Gulf Coast - Kodiak Island-Eastern Alaska Peninsula**

02	2100AST				0	0			<b>High Wind (G52)</b>
	04 2359AST								

A moderate weather front moved northwestward through the area late Sunday and Monday. Brisk easterly winds preceded the front. Gusts at Middleton Island, near Cordova, and in Prince William Sound were reported between 40 and 60 mph. The southern extremity of the front stalled around Kodiak Island and, coupled with building high pressure across southwest Alaska, produced wind gusts of 55 mph Tuesday.

### **AKZ020**

#### **Kodiak Island-Eastern Alaska Peninsula**

04	0000AST				0	0			<b>High Wind (G40)</b>
	1500AST								

# Storm Data and Unusual Weather Phenomena

February 1997

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

## ALASKA, Southern

A moderate 970mb low curved north northwest toward Chignik along the eastern Alaska Peninsula Tuesday...accompanied by a weather front east and southeast from the center. Brisk easterly winds preceded the front...strongest near the low...gusting near 45 mph.

**AKZ019**

### **Central Gulf Coast**

05	0900AST				0	0			<b>High Wind (G52)</b>
06	0300AST								

A moderate low curved northwestward through the Gulf of Alaska...deepening to at least 976mbs 150 miles south of Middleton Island Wednesday afternoon. The low then curved westward and began to weaken as the front moved into the Copper River Basin late Wednesday. Brisk easterly winds preceded the front...gusting to 60 mph at Middleton Island Wednesday afternoon.

**AKZ021>023**

### **Western Alaska Peninsula - Eastern Aleutians - St. Paul Island**

06	0000AST				0	0			<b>High Wind (G50)</b>
07	1800AST								

A strong 955mb low in the northcentral Pacific moved to 300 miles south southeast of Shemya Thursday morning with a moderate front extending from 200 miles north of the center east and southeastward across the north Pacific. The low moved to near Amchitka Island Friday afternoon...as the front elongated northwest and eastward. Brisk easterly winds preceded the front...locally near 60 mph over open areas of the west central Aleutians.

**AKZ021>023**

### **Western Alaska Peninsula - Eastern Aleutians - St. Paul Island**

08	1800AST				0	0			<b>High Wind (G48)</b>
10	0300AST								

An intense 953mb low in the extreme northcentral Pacific Saturday, curved north and began to slowly weaken Sunday to a 980mb center near Dutch Harbor at 3pm Monday. A strong front extending in an arc to just north of the low then east southeast weakened markedly in a long arc around the low into the Pribilofs, extreme northern Bristol Bay to Kodiak and eastward at 3pm Monday. Storm force winds were observed in advance of the front Saturday across open north Pacific waters. Brisk easterly winds in advance of the front moved into the Alaska Peninsula, the central and eastern Aleutians and the Pribilofs...where gusts from 40 to 50 mph were reported.

**AKZ020**

### **Kodiak Island-Eastern Alaska Peninsula**

15	0000AST				0	0			<b>High Wind (G35)</b>
	2359AST								

Gusty northwest winds reached 40 mph at Kodiak.

**AKZ018**

### **Cook Inlet-Susitna Valley**

21	0530AST				0	0			<b>High Wind (G35)</b>
	0600AST								

A moderate front, associated with a 989mb low over Kodiak Island early Friday, moved northward in the Anchorage area dissipating late Friday morning. Wind gusts reached 40 mph along the upper Anchorage hillside.

**AKZ022**

### **Eastern Aleutians**

22	1200AST				0	0			<b>High Wind (G52)</b>
23	1500AST								

A strong front associated with an intense 950 mb low in the northwest Pacific elongated eastward across the extreme western Aleutians. Wind gusts of at least 60 mph were recorded at Shemya. Strong easterly winds between 55 and 70 mph were reported by several ships across the western Aleutians in advance of the front.

**AKZ018>019**

### **Cook Inlet-Susitna Valley - Central Gulf Coast**

22	1500AST				0	0			<b>High Wind (G49)</b>
23	0300AST								

A second, stronger frontal system moved into the southwestern Gulf of Alaska late Friday afternoon. The front moved north and northeast and weakened...extending in an arc along the western Alaska Range to near Talkeetna and back into eastern Prince William Sound at 9am Saturday. Brisk southeasterly winds preceded the front across exposed areas near Prince William Sound and across higher elevations of southcentral Alaska. Wind gusts reached at least 56 mph along the upper Anchorage hillside between 8 and 10:30 pm Saturday and at Middleton Island late Friday and early Saturday.

**AKZ010>011-018-021>022**

### **Yukon-Kuskokwim Delta - Bristol Bay Coastal - Cook Inlet-Susitna Valley - Western Alaska Peninsula - Eastern Aleutians**

23	0600AST				0	0	1K		<b>High Wind (G75)</b>
25	0600AST								

A strong, frontal 956mb low just south of Adak at 3pm Sunday curved northwest into the southwest Bering Sea...weakening to 964mbs 90 miles northeast of Shemya, along the extreme western Aleutian Chain. Brisk southerly winds, from 40 to locally 55 mph, were observed in a tight semicircle around the southeast side of the low. Stronger southeasterly winds, however, preceded the front...which elongated east and northeast...extending in an arc through Saint George Island and Cape Sarichef at 3am Monday. The front began weakening thereafter, extending in a long arc through the northern Bering Sea to Nunivak Island, across Port Heiden to 300 miles south of Kodiak 3pm Monday and in a long arc from the Seward Peninsula through the central Kenai Peninsula at 3am Tuesday. Wind gusts reached 86 mph at Cold Bay at 3:36am Monday, breaking the old February record of 83 mph set back in 1989. Sustained winds at Cold Bay were above 58 mph from 2:20am to 5:30 am Monday. Wind gusts reached at

# Storm Data and Unusual Weather Phenomena

February 1997

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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## ALASKA, Southern

least 47 mph along the upper Anchorage hillside between 11pm and midnight Monday.

### **Kodiak Island(C) E. Ak Penin**

<b>Kodiak</b>	23	1430AST 1500AST			0	0			<b>Thundersnow Shower</b>
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A very unusual thundersnow shower was observed at the Kodiak airport. A C-130 took two lightning strikes.

### **AKZ010-022**

#### **Yukon-Kuskokwim Delta - Eastern Aleutians**

	24	1200AST			0	0			<b>High Wind (G48)</b>
	25	2359AST							

A moderate 990mb low moved up from the northcentral Pacific across Seguam Island late Monday...weakening rapidly just off the Yukon River Delta late Tuesday morning. A moderate front in a southward arc from the low brought brisk southerly winds to much of the Alaska Peninsula and offshore areas of the extreme eastern Aleutians, where gusts from 40 to 55 mph were reported. Wind gusts reached 41 mph at Bethel, along the Kuskokwim Delta coast, on Tuesday.

### **AKZ022**

#### **Eastern Aleutians**

	28	0000AST 2359AST			0	0			<b>High Wind (G48)</b>
--	----	--------------------	--	--	---	---	--	--	------------------------

A moderate weather front stretching from the extreme western Aleutians southeastward into the north Pacific brought winds from 40 to 55 mph to the Aleutians.

## AMERICAN SAMOA

NOT RECEIVED.

## ARIZONA, Central and Northeast

### **AZZ014-017**

#### **Little Colorado River Valley In Apache County - White Mountains**

	25	0200MST			0	0			<b>Heavy Snow</b>
	26	0200MST							

A quick snowstorm hit the White Mountains. In Zone 17 twelve inches fell in Alpine and ten inches fell in Sunrise Ski Resort and Greer. In Zone 14 nine inches fell in Springerville.

### **AZZ004-006>009-011-015>018**

#### **Kaibab Plateau - Grand Canyon Country - Coconino Plateau - Yavapai - Northeast Plateaus And Mesas - Chuska Mountains And Defiance Plateau - Western Mogollon Rim - Eastern Mogollon Rim - White Mountains - Northern Gila**

	27	0500MST			0	0			<b>Heavy Snow</b>
	28	2000MST							

Major winter storm brought heavy snow throughout northern Arizona. In Zone 4 the Kaibab Plateau reported up to 24 inches of new snow and even Fredonia received 10 inches. In Zone 6 the South Rim of the Grand Canyon received 12 inches. In Zone 7 Seligman received 8 inches of new snow along with a report of 10 inches was received 5 miles north of Ash Fork. In Zone 8 Jerome received 12 inches and even in Sedona 8 inches of new snow fell. In Zone 9 Pinon reported as much as 12 inches of new snow. In Zone 11 Window Rock reported 12 inches of new snow. In Zone 15 Belmont reported 19.5 inches of and Williams received 12 inches. In Zone 16 Happy Jack reported 24 inches of new snow and Munds Park just south of Flagstaff received 19 inches of new snow. In Zone 17 the largest storm total was reported 5 miles southeast of Pinetop where 30 inches of new snow fell. Elsewhere in the zone, Pinetop received 16 inches of new snow, McNary 14 inches, Alpine 13 inches and Show Low had 12 inches. Finally in Zone 18 Strawberry and Payson both reported 12 inches of new snow.

## ARIZONA, Northwest

NONE REPORTED.

## ARIZONA, South

### **AZZ030**

#### **Cochise**

	27	1645MST 1646MST			0	0			<b>High Wind (G53)</b>
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A strong winter storm produced a wind gust over 53 kt at Sierra Vista.

### **AZZ028**

#### **Santa Cruz Valley**

	27	1700MST			0	0			<b>Heavy Snow</b>
	28	1700MST							

Strong winter storm produced 30 inches of snow in 24 hours at Mt Lemmon.

# Storm Data and Unusual Weather Phenomena

February 1997

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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## ARIZONA, Southwest

NONE REPORTED.

## ARKANSAS, Central and North Central

### Jefferson County

Whitehall	03	2300CST			0	0			<b>Flash Flood</b>
	04	0030CST							

Heavy rains resulted in flash flooding in parts of Jefferson County. Several homes in the White Hall area were evacuated for a time due to the high water. A number of county roads were also covered by high water for a period of time.

**ARZ003>007-012>016-020>025-030>034-037>047-052>057-062>063 Boone - Marion - Baxter - Fulton - Sharp - Newton - Searcy - Stone - Izard - Independence - Franklin - Johnson - Pope - Van Buren - Cleburne - Jackson - Logan - Conway - Faulkner - White - Woodruff - Scott - Yell - Perry - Polk - Montgomery - Garland - Saline - Pulaski - Lonoke - Prairie - Monroe - Pike - Clark - Hot Spring - Grant - Jefferson - Arkansas - Dallas - Cleveland**

	13	0000CST 1100CST			0	0			<b>Heavy Snow</b>
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Heavy wet snow fell across parts of Central and Northern Arkansas during the early morning hours of the 13th. Many areas saw accumulations generally between 3 and 6 inches. However, some of the higher elevations received 8 to 10 inches. A number of trees and power lines were knocked down by the weight of the snow. Numerous traffic accidents resulted from the heavy snow as well.

### Logan County

5 W Booneville to 5 WNW Booneville	20	1959CST 2005CST	5	100	1	3	250K		<b>Tornado (F1)</b>
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An F1 tornado touched down about 5 miles west of Booneville, just south of Highway 10. The tornado travelled approximately 5 miles north-northeastward before it lifted. Several homes sustained substantial damage, as well as a number of outbuildings. A woman was killed when her mobile home was blown off its foundation, overturned, and tumbled down a hill. Her husband and their two children were injured. A number of trees were also uprooted along the path of the tornado. F38MH

### Franklin County

Ozark	20	2020CST 2025CST			0	0			<b>Thunderstorm Wind (G50)</b>
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Thunderstorm winds damaged the roofs of several buildings and carports. A number of trees were also blown down.

### Franklin County

Charleston	20	2020CST			0	0			<b>Thunderstorm Wind (G50)</b>
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Several buildings were damaged by thunderstorm winds.

### Franklin County

6 N Ozark	20	2030CST			0	0			<b>Thunderstorm Wind (G50)</b>
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Thunderstorm winds damaged several poultry houses and destroyed a barn.

### Franklin County

3 E Ozark	20	2035CST			0	0			<b>Thunderstorm Wind (G50)</b>
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Thunderstorm winds damaged three poultry houses.

### Logan County

Driggs	20	2036CST			0	0			<b>Thunderstorm Wind (G50)</b>
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Thunderstorm winds downed a number of trees and power lines. Several buildings also sustained damage.

### Johnson County

Hartman	20	2040CST			0	0			<b>Thunderstorm Wind (G50)</b>
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Several buildings in Hartman sustained roof damage.

### Yell County

4 SW Dardanelle	20	2110CST			0	0			<b>Thunderstorm Wind (G50)</b>
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Thunderstorm winds overturned a mobile home.

### Hot Spring County

Bismarck	20	2110CST			0	0			<b>Thunderstorm Wind (G50)</b>
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Thunderstorm winds knocked down several trees.

### Clark County

5 W Arkadelphia	20	2110CST			0	0			<b>Thunderstorm Wind (G50)</b>
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Thunderstorm winds knocked down some trees.

### Garland County

Hot Spgs	20	2116CST			0	0			<b>Thunderstorm Wind (G50)</b>
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Thunderstorm winds downed some trees and power lines.

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>ARKANSAS, Central and North Central</u></b>									
<b>Conway County</b>									
St Vincent	20	2145CST			0	0			Thunderstorm Wind (G50)
			Thunderstorm winds damaged the roof of a house.						
<b>Faulkner County</b>									
Greenbrier	20	2210CST			0	0			Thunderstorm Wind (G50)
			Several houses sustained roof damage. A storage building was also destroyed.						
<b>Van Buren County</b>									
Damascus	20	2213CST			0	0			Thunderstorm Wind (G52)
<b>Pulaski County</b>									
Marche	20	2220CST			0	0			Thunderstorm Wind (G50)
			Thunderstorm winds downed some trees and power lines. Part of the roof of a building was also blown off.						
<b>White County</b>									
Searcy	28	1246CST			0	0			Hail (0.75)
<b><u>ARKANSAS, East</u></b>									
<b>Poinsett County</b>									
Harrisburg	21	0055CST 0100CST			0	0	1K		Thunderstorm Wind
			A few trees and power lines were knocked down.						
<b>Craighead County</b>									
Otwell	28	1350CST 1355CST			0	0	0.50K		Hail (1.75)
<b>Craighead County</b>									
Bay	28	1352CST 1357CST			0	0	1K		Hail (2.00)
<b>Poinsett County</b>									
Harrisburg to Trumann	28	1400CST 1405CST			0	0	0.02K		Hail (0.75)
<b>Craighead County</b>									
Hergett	28	1403CST 1408CST			0	0	0.50K		Hail (1.75)
<b>Randolph County</b>									
Biggers	28	1501CST 1506CST			0	0	0.01K		Hail (0.75)
<b><u>ARKANSAS, Northwest</u></b>									
<b>Sebastian County</b>									
Ft Smith	20	2000CST			0	3	12K		Thunderstorm Wind (G61)
<b>Crawford County</b>									
Van Buren	20	2000CST			0	3	170K		Thunderstorm Wind
<b>Sebastian County</b>									
Hackett	20	2000CST			0	0	0.10K		Thunderstorm Wind
<b>Crawford County</b>									
Dora	20	2005CST			0	0	100K		Thunderstorm Wind
<b>Crawford County</b>									
Cedarville	20	2010CST			0	0	200K		Thunderstorm Wind
<b>Sebastian County</b>									
Lavaca	20	2030CST 2100CST			0	0			Flash Flood
<b>Washington County</b>									
Fayetteville	20	2055CST			0	3	150K		Thunderstorm Wind
<b>Washington County</b>									
1 ENE Fayetteville	20	2057CST			0	0	6K		Thunderstorm Wind
<b>Washington County</b>									
Countywide	20	2100CST 2130CST			0	0			Flash Flood

# Storm Data and Unusual Weather Phenomena

February 1997

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

## ARKANSAS, Northwest

<b>Madison County</b>									
St Paul	20	2100CST			0	0	100K		Thunderstorm Wind
<b>Madison County</b>									
Pettigrew	20	2105CST			0	0	2K		Thunderstorm Wind
<b>Washington County</b>									
5 E Springdale	20	2105CST			0	0	30K		Thunderstorm Wind
<b>Benton County</b>									
Cave Springs	20	2109CST			0	0	20K		Thunderstorm Wind
<b>Benton County</b>									
Rogers	20	2110CST			0	0	120K		Thunderstorm Wind
<b>Benton County</b>									
4 E Rogers	20	2115CST			0	0	1M		Thunderstorm Wind
<b>Carroll County</b>									
5 S Eureka Spgs	20	2130CST			0	0	6K		Thunderstorm Wind

A cluster of severe thunderstorms moved north northeast across northwest Arkansas during the evening of February 20th and produced considerable wind damage along their path. In Sebastian County, thunderstorm winds estimated at 70 miles an hour in Fort Smith blew an 18-wheeler over and downed fences, with one fence blocking a roadway. A bridge in downtown Fort Smith was blocked by debris. 3 persons were injured in Fort Smith. Trees were blown down in Hackett. In Crawford County, 1 house and several mobile homes were destroyed in Van Buren by the strong winds, and several roofs were blown off buildings in Van Buren. 3 persons were injured in Van Buren. Strong thunderstorm winds damaged houses in Dora, and a few houses were destroyed and several other houses heavily damaged in Cedarville. Numerous trees were also blown down in Cedarville. Old Union Town Road was the hardest hit area in Cedarville. In Washington County, 2 mobile homes were destroyed and 10 to 15 others were moderately damaged at Shenandoah Villa Mobile Home Village in Fayetteville. McIlroy Bank and Trust and Vandergriff Elementary School were both damaged in Fayetteville, and numerous trees and power lines were also blown down in Fayetteville. 3 persons were injured in Fayetteville. Roofs were blown off a couple houses just east northeast of Fayetteville, and a couple mobile homes were blown over 5 miles east of Springdale.

In Madison County, a building was destroyed and blown into a field in St. Paul, and a turkey house in Pettigrew had half its roof blown off. Trees were also blown down onto power lines in Pettigrew. In Benton County, outbuildings were damaged and trees and power lines were blown down in Cave Springs. One of the trees was blown down onto a gas meter in Cave Springs. 3 mobile homes and a 300 foot chicken house were destroyed in Rogers. Approximately 7000 chickens in the chicken house were killed. Prairie Creek Marina 4 miles east of Rogers on the west shore of Beaver Lake was nearly totally destroyed. 15 boats at the marina were sunk, and damage at the marina was estimated to be at least one million dollars. In Carroll County, metal roofs were blown off sheds along State Highway 23 5 miles south of Eureka Springs. Thunderstorms during the evening also produced very heavy rainfall which resulted in flash flooding. Low-lying areas in Lavaca were flooded, and low-lying roads throughout Washington County were under water. Roadways were flooded and some streets were closed in Fayetteville.

## ARKANSAS, Southeast

<b>Ashley County</b>									
Hamburg	20	2330CST			0	0	3K		Thunderstorm Wind
Several power poles and lines were blown down.									
<b>Ashley County</b>									
Hamburg	26	1900CST			0	0			Thunderstorm Wind (G52)

## ARKANSAS, Southwest

<b>Howard County</b>									
Saratoga	20	1930CST			0	0			Thunderstorm Wind (G70)
A radio tower was blown down from high convective winds.									
<b>Howard County</b>									
1 S Dierks to Dierks	20	1930CST			0	0	6K		Thunderstorm Wind (G60)
Numerous reports of damage from downed trees and power lines. Several chicken houses suffered moderate to severe damage.									
<b>Howard County</b>									
Dierks	20	2100CST			0	0	50K		Thunderstorm Wind (G90)
A microburst some 200 yards long by 100 yards wide snapped over 30 pine trees, some falling on homes, and roofs were lifted off of chicken houses.									
<b>Little River County</b>									
1 W Winthrop	20	2100CST			0	0			Flash Flood
High water closed Hwy 234 from Winthrop to the Oklahoma border for several hours.									

# Storm Data and Unusual Weather Phenomena

February 1997

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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## ARKANSAS, Southwest

### Sevier County

Gillham	20	2100CST			0	0			Flash Flood
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Highway 71 was closed due to flooding from heavy rainfall.

### Union County

Mt Holly	20	2220CST			0	0			Thunderstorm Wind (G60)
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### Union County

15 W El Dorado	20	2230CST			0	0			Thunderstorm Wind (G60)
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Numerous power outages from fallen trees.

### Union County

Junction City	20	2235CST			0	0			Thunderstorm Wind (G60)
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Numerous trees and power lines down.

## CALIFORNIA, Extreme Southeast

NONE REPORTED.

## CALIFORNIA, North Central

### CAZ067

#### Motherlode/Camptonville To Goverland

23	1400PST				0	0			High Wind (G59)
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24 1200PST  
A strong synoptic pressure gradient brought generally strong winds to the mountains. The 59 mph gust occurred at Calaveras County Airport on the 23rd at 1050 pm. 12,000 customers were without power as the strong winds toppled trees and snapped power poles. Heaviest damage occurred in Amador and Calaveras Counties.

## CALIFORNIA, Northeast

NONE REPORTED.

## CALIFORNIA, Northwest

NONE REPORTED.

## CALIFORNIA, South Central

### CAZ025

#### Kern County Desert

12	0800PST				0	0			High Wind (G70)
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1600PST  
Strong wind with gusts greater than or equal 50 knots probably from mountain wave rotor blew through the Mojave area in southeast Kern County during the day of February 13 between the hours of 0700 and 1600. The peak gust of the day was 70 knots at 1447 PST. No damage was reported at the Mojave airport but trees were downed 7 miles south of Mojave.

### Kern County

Bakersfield	17	1415PST	0.3	10	0	0	10K	0	Tornado (F0)
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1420PST  
Eyewitness accounts support surface evidence that some minor damage occurred in southwest Bakersfield associated with a funnel presence. The tornado is classed as a small F0 with a relatively short path and narrow in width. Large hail also accompanied this storm. One indirect weather-related fatality occurred with the county thunderstorms as a vehicle overturned on a rain-slickened road 8 miles northwest of Bakersfield at 1515 PST.

### Kern County

Bakersfield	17	1420PST			0	0	0	0	Hail (1.50)
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1425PST  
Large hail accompanied the tornadic thunderstorm that passed through Southwest Bakersfield in mid-afternoon. Hail size varied from pea to 1.5 inches; one report at the site of the tornado indicated hail at 3/4 inch in diameter. In all cases the large hail was for a very brief time.

### CAZ022

#### Southern Sierra Nevada Mountains

24	0710PST				0	0	250K	0	High Wind (G60)
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1400PST  
Strong northeast wind known as Mono Winds locally whipped through the Southern Sierra Nevada Mountain communities in Madera and Mariposa Counties. Forest trees were downed closing Highway 41 6 miles northwest of Oakhurst at 0710 PST; a house was damaged by trees falling over 8 northwest of Oakhurst; houses were damaged by falling trees at Bass Lake; and power lines were toppled 8 miles east of Mariposa. On Lake McClure in Merced County winds estimated at 45 MPH raised waves high enough to capsized a houseboat.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## CALIFORNIA, South Central

<b>CAZ025</b>	<b>Kern County Desert</b>								
		26	0850PST 1100PST		0	0			<b>High Wind (G80)</b>

Mountain wave rotor caused no damage to the Kern desert communities despite high wind speeds. Inyokern Airport recorded a wind speed of 80 knots at 0850 PST; Mojave Airport recorded a wind speed of 65 knots around 0830 PST.

## CALIFORNIA, Southeast

NONE REPORTED.

## CALIFORNIA, Southwest

<b>CAZ042-048&gt;049-057</b>	<b>Orange County Coastal Plain - San Bernardino County Valley/The Inland Empire - Riverside County Valley/The Inland Empire - Santa Ana Mountains And Foothills</b>								
		13	0300PST 2000PST		0	1			<b>High Wind (G74)</b>

Strong northerly winds rounding the base of a deep upper atmospheric trough, augmented surface gradient winds across Southern California, resulting in damaging Santa Ana winds below passes and canyons. In Orange County, peak winds were clocked at 85 mph through Fremont Canyon, and 44 mph at Huntington Beach. Trees were uprooted, power lines downed, and tractor-trailer rigs toppled. One firefighter suffered minor injuries, when the wind blew boards off a truck, onto him, while he was trying to extinguish a fire. Two big rigs toppled on I-10 and I-15 transition roads, shutting them down for much of the day. Downed electric lines resulted in sporadic power outages.

<b>CAZ048&gt;049-057</b>	<b>San Bernardino County Valley/The Inland Empire - Riverside County Valley/The Inland Empire - Santa Ana Mountains And Foothills</b>								
		24	0800PST 1400PST		0	0			<b>High Wind (G70)</b>

A deep upper atmospheric low pressure center over Southern California, and a strong offshore, surface pressure gradient, resulted in gusty Santa Ana winds below selected passes and canyons. Strongest wind gusts of 80 mph were measured through Fremont Canyon on the twenty-fourth. The winds knocked down power lines, forcing the closure of the I-215 in San Bernardino County for about an hour, and fanned several small fires, one of which destroyed an abandoned house in San Bernardino.

<b>San Diego County</b>									
1.5 NW (Myf)Mntgmry Fld San to 1 NW (Myf)Mntgmry Fld San		28	0855PST 0905PST		0	0			<b>Funnel Cloud</b>

A cold, deep, upper level trough moving over Southern California, helped spin up a funnel cloud over Kearney Mesa. The well-defined funnel was videotaped by a Kearney Mesa resident.

## CALIFORNIA, Upper

NONE REPORTED.

## CALIFORNIA, West South Central

<b>Santa Barbara County</b>									
5 SW Santa Barbara		10	1500PST 1510PST		0	0			<b>Waterspout</b>

A strong cold front produced a waterspout five miles southwest of the city of Santa Barbara.

<b>CAZ035&gt;036-038&gt;041-044&gt;047-052&gt;054-059</b>	<b>Santa Barbara County Central Coast - Santa Ynez Valley - Cuyama Valley - Santa Barbara County South Coast - Ventura County Coast - Los Angeles County Coasts Including Downtown Los Angeles - Ventura County Interior Valleys - Ventura County Coastal Valleys - Santa Monica Mountains Recreation Area - Los Angeles County Valleys - Santa Barbara County Mountains - Ventura County Mountains - Los Angeles County Mountains Excluding The Santa Monica Range - Antelope Valley</b>								
		17	1200PST		0	0			<b>Winter Storm</b>

A potent winter storm moved across Southern California...producing a variety of weather. Strong northwest winds...gusting up to 65 mph...caused scattered power outages. Scattered thunderstorms also formed across the Southland...producing strong winds...brief heavy rain and hail. In Chatsworth...one-half inch hail was reported. In the San Fernando Valley...dime size hail to a depth of one and one-half inches was reported.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## CALIFORNIA, West South Central

**CAZ040>041-044>047-053>054** **Ventura County Coast - Los Angeles County Coasts Including Downtown Los Angeles - Ventura County Interior Valleys - Ventura County Coastal Valleys - Santa Monica Mountains Recreation Area - Los Angeles County Valleys - Ventura County Mountains - Los Angeles County Mountains Excluding The Santa Monica Range**

23	2300PST				0	0			High Wind (G52)
24	2200PST								

Strong Santa Ana winds developed over Southern California. Northeast winds gusting up to 60 mph were reported. Numerous power lines were blown down. In Santa Paula...downed power lines caused a house fire.

**CAZ059**

**Antelope Valley**

27	0800PST 1900PST				0	0			High Wind (G78)
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A strong cold front produced high winds across the Antelope Valley. The northwest winds...gusting up to 90 mph reduced visibilities to near-zero in blowing dust and sand. Several automobile accidents were attributed to the reduced visibilities. Also...a pickup truck was blown off the road.

## CALIFORNIA, Western

**San Mateo County**

**Loma Mar**

03	0830PST				1	0			Flash Flood
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Levee Breached along Arroyo Mocha (a dry Creek) and caused damage to roads and property M37PH

## COLORADO, Central and Northeast

**COZ034**

**Summit County/Mosquito Range/Indian Peaks**

02	2100MST				0	0			Heavy Snow
03	1200MST								

More Pacific moisture brought nearly a foot of snow to portions of the northern mountains. A few of the totals included: 11 inches at Copper Mountain, 9 inches at Keystone and Winter Park, 8 inches at Loveland Ski Area with 7 inches at Breckenridge.

**COZ035>036**

**Northern Front Range Foothills/Upper Laramie And Cache La Poudre River Basins - Southern Front Range Foothills/Clear Creek Basin**

06	1800MST				0	0			Heavy Snow
07	0600MST								

Morrison, Rand and Ward picked 5 inches of snow overnight.

**COZ035>036**

**Northern Front Range Foothills/Upper Laramie And Cache La Poudre River Basins - Southern Front Range Foothills/Clear Creek Basin**

12	1800MST				0	0	0	0	Heavy Snow
13	0600MST								

Conifer, Evergreen, Morrison and North Turkey Creek received 6 to 8 inches of snow overnight.

**COZ036**

**Southern Front Range Foothills/Clear Creek Basin**

15	0300MST				0	0	0	0	High Wind (G65)
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Golden Gate Canyon registered a peak wind gust to 75 mph (65 kts) during the early morning hours.

**COZ033>036**

**Rabbit Ears & Medicine Bow Ranges/Rocky Mountain National Park - Summit County/Mosquito Range/Indian Peaks - Northern Front Range Foothills/Upper Laramie And Cache La Poudre River Basins - Southern Front Range Foothills/Clear Creek Basin**

20	1100MST				0	0			Heavy Snow
21	0600MST								

A combination of low level upslope conditions and a slow moving upper level weather disturbance resulted in more heavy snow for portions of the northern mountains and northeast foothills.

Several accidents were blamed on the heavy snow as roads became snowpacked and slick. Snowfall totals included: 16 inches at Eldora Ski Area, 15 inches at South Turkey Creek, 14 inches at Conifer and Morrison, 12 inches at Winter Park, 11 inches near Blackhawk, Evergreen and Intercanyon. Elsewhere snowfall amounts generally ranged from 6 to 10 inches.

**COZ035>036-038>040**

**Northern Front Range Foothills/Upper Laramie And Cache La Poudre River Basins - Southern Front Range Foothills/Clear Creek Basin - Eastern Larimer And Northwestern Weld Counties - Eastern Boulder County/Boulder And Vicinity - Denver Metropolitan Area**

23	0400MST 1600MST				0	0			Heavy Snow
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A strong upper level jet and weak low level upslope behind a cold front resulted in heavy snowfall across portions of the Front Range Foothills and Urban Corridor. Totals from around the area included: 9 inches just to the east of Buckhorn Mountain, 8 inches at Sunshine Canyon, 6 inches at Morrison and Silver Spruce Ranch, with 4 to 5 inches reported elsewhere.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## COLORADO, Central and Northeast

**COZ041>046>047 Eastern Douglas And Western Elbert Counties/Castle Rock And Vicinity - Eastern Elbert And Northern Lincoln Counties/Limon And Vicinity - Southern Lincoln County**

23	1800MST				0	0			Heavy Snow
24	0400MST								

Bands of heavy snow showers developed over portions of east central Colorado as a strong upper level jet persisted over the area. Karval received top honors with 6 inches of new snow. Elsewhere, 3 to 4 inches of snow fell near Limon, Hugo, Kiowa and 8 miles southeast of Matheson.

**COZ035>036-038>040 Northern Front Range Foothills/Upper Laramie And Cache La Poudre River Basins - Southern Front Range Foothills/Clear Creek Basin - Eastern Larimer And Northwestern Weld Counties - Eastern Boulder County/Boulder And Vicinity - Denver Metropolitan Area**

26	0200MST				0	0			Heavy Snow
	1000MST								

A deep northeasterly upslope flow developed along the Front Range Foothills and western portions of the Urban Corridor. Snowfall amounts generally ranged from 4 to 6 inches.

**COZ035>036 Northern Front Range Foothills/Upper Laramie And Cache La Poudre River Basins - Southern Front Range Foothills/Clear Creek Basin**

28	0130MST				0	0			Heavy Snow
	0900MST								

More snow for the Front Range Foothills as Blackhawk, Coal Creek and Rand all picked up 4 inches of snow.

## COLORADO, East Central

**COZ091>092 Kit Carson County - Cheyenne County**

23	0600MST				0	0			Heavy Snow
24	0600MST								

Heavy snow fell with 24 hour accumulations of 8 inches at Stratton and Arapahoe and 9 inches in northeast Cheyenne County.

## COLORADO, South Central and Southeast

**COZ060>061-065>066-068-070 La Garita Mountains - Eastern San Juan Mountains - Northern Sangre De Cristo Mountains - Southern Sangre De Cristo Mountains - Western Fremont And Northern Custer Counties - Wet Mountains**

06	0100MST				0	0			Winter Storm
	2100MST								

Low pressure over central New Mexico intensified and created an upslope flow and snowfall over south-central and southeast Colorado. The heaviest amounts fell across the southern mountains with 4 to 8 inches. Aspen Acres campground in Custer county reported 6 inches of snow, Poncha Springs in Chaffee county reported 5 inches, and Cuchara in Huerfano county had 4 inches of new snow.

**COZ066>068-070 Southern Sangre De Cristo Mountains - Teller County/Rampart Range/Pikes Peak - Western Fremont And Northern Custer Counties - Wet Mountains**

13	0400MST				0	0			Heavy Snow
	1200MST								

A potent upper level system over southern New Mexico produced bands of heavy snowfall across southeast Colorado the morning of the 13th. The highest elevations received 15 to 20 inches of new snow. Aspen Acres in Custer county had 18 inches, Cuchara in Huerfano county had 16 inches, Divide in Teller county had 8 inches, as did Rye in Pueblo county.

**COZ062>063-066>069-073>075 Northern San Luis Valley/Del Norte And Vicinity - Alamosa County/Alamosa And Vicinity - Southern Sangre De Cristo Mountains - Teller County/Rampart Range/Pikes Peak - Western Fremont And Northern Custer Counties - Upper Arkansas River Valley/Salida And Vicinity - Pueblo And Eastern Fremont Counties/Pueblo And Vicinity - Upper Huerfano River Basin/Walsenburg And Vicinity - Upper Purgatoire River Basin/Trinidad And Vicinity**

20	1200MST				0	0			Heavy Snow
21	1100MST								

A storm system moved across southern Colorado, producing widespread snowfall starting at noon on the 20th and carrying over into the morning of the 21st. Custer and eastern Fremont counties, including the Wet Mountains, reported amounts of 1 to 2 feet and more. Chaffee and Teller counties, along with portions of the San Luis Valley, received 6 to 8 inches. The southern foothills reported around 4 inches of new snow, while much of the rest of south central and southeast Colorado reported 2 inches or less. Aspen Acres received 34 inches of new snow, and Canon City reported between 16 and 22 inches of new snow.

# Storm Data and Unusual Weather Phenomena

February 1997

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

**COZ060>081**

**La Garita Mountains - Eastern San Juan Mountains - Northern San Luis Valley/Del Norte And Vicinity - Alamosa County/Alamosa And Vicinity - Southern San Luis Valley - Northern Sangre De Cristo Mountains - Southern Sangre De Cristo Mountains - Teller County/Rampart Range/Pikes Peak - Western Fremont And Northern Custer Counties - Upper Arkansas River Valley/Salida And Vicinity - Wet Mountains - Southern El Paso County/Colorado Springs And Vicinity - Northern El Paso County/Monument Ridge - Pueblo And Eastern Fremont Counties/Pueblo And Vicinity - Upper Huerfano River Basin/Walsenburg And Vicinity - Upper Purgatoire River Basin/Trinidad And Vicinity - Crowley And Otero Counties/La Junta And Vicinity - Eastern Las Animas County - Kiowa County - Bent County/Las Animas And Vicinity - Prowers County/Lamar And Vicinity - Baca County/Springfield And Vicinity**

23	0400MST				0	0			Winter Storm
24	0400MST								

An upper level low pressure system over southern Utah pumped moisture into southern Colorado. This abundant moisture, in conjunction with a strong cold front over southeastern Colorado, produced widespread snow across south-central and southeast Colorado starting early the morning of the 23rd. The mountains and higher terrain received between 1 and 3 feet of new snow, the foothills around 12 inches, and the rest of the area between 5 and 10 inches. The highest snow total reported was 26 inches at Cuchara in Huerfano county.

**COZ066-070-075**

**Southern Sangre De Cristo Mountains - Wet Mountains - Upper Purgatoire River Basin/Trinidad And Vicinity**

26	0100MST				0	0			Winter Storm
	1500MST								

Moist upslope winds, caused by a strong upper level storm system located over east central New Mexico, produced snowfall amounts of 4 to 9 inches across the Wet mountains and southern Sangre de Cristo mountains. Trinidad reported 4 inches of new snow and Cuchara logged 9 inches.

**COZ076>081**

**Crowley And Otero Counties/La Junta And Vicinity - Eastern Las Animas County - Kiowa County - Bent County/Las Animas And Vicinity - Prowers County/Lamar And Vicinity - Baca County/Springfield And Vicinity**

26	0730MST				0	0			Winter Storm
	1500MST								

The upper level low pressure system over New Mexico spread snow to the southeast plains, with reported amounts of 3 to 6 inches. Strong north winds of 20 to 35 mph producing widespread blowing and drifting snow with near blizzard conditions at times.

**COZ060>061-065>068-070-072**

**La Garita Mountains - Eastern San Juan Mountains - Northern Sangre De Cristo Mountains - Southern Sangre De Cristo Mountains - Teller County/Rampart Range/Pikes Peak - Western Fremont And Northern Custer Counties - Wet Mountains - Northern El Paso County/Monument Ridge**

27	0600MST				0	0			Heavy Snow
28	2130MST								

A strong storm system brought widespread snow to south central and southeast Colorado. The mountains reported snow as early as the morning of the 27th, which continued into the evening of the 28th, with amounts of 12 to 18 inches. Wolf Creek Pass received 34 inches of snow. The Wet Mountains and portions of Custer and Fremont counties reported accumulations of 3 to 5 inches starting late the night of the 27th, lasting into the morning of the 28th. El Paso and Teller counties and the Rampart Range received 2 to 5 inches of new snow from the afternoon into the night of the 28th.

## COLORADO, West

**COZ001>002-**

**004>005-009>010-012**

**Lower Yampa River Basin/Rangely And Vicinity - Central Yampa River Basin/Craig-Hayden And Vicinity - Elkhead And Park Mountains/Flat Tops/White River Plateau - Upper Yampa River Basin/Steamboat Springs And Vicinity - Grand And Battlement Mesas - Gore And Elk Mountains/Central Mountain Valleys/Aspen And Vicinity - West Elk And Sawatch Mountains/Taylor Park**

02	2100MST				0	0			Winter Storm
03	1600MST								

Pacific moisture deposited 6 to 14 inches of new snow in the northern and central mountains of western Colorado, while 3 to 5 inches of new snow were common in the northern valleys. Blowing and drifting snow was reported in many areas.

**COZ003-009>011-015-**

**017>020**

**Roan And Tavaputs Plateaus - Grand And Battlement Mesas - Gore And Elk Mountains/Central Mountain Valleys/Aspen And Vicinity - Central Gunnison And Uncompahgre River Basin/Montrose And Vicinity - Leadville And Vicinity - Uncompahgre Plateau - Northwestern San Juan Mountains - Southwestern San Juan Mountains - Paradox Valley/Lower Dolores River**

05	2100MST				0	0			Heavy Snow
07	2200MST								

A relatively slow moving Pacific storm generally produced 6 to 12 inches of new snow in the southern mountains and 6 to 8 inches in most central mountain areas of western Colorado. 5 to 12 inches of snow fell in some valleys of southwest Colorado, mainly above the 7000 foot level. A few of the heaviest snowfall totals included 12 inches at Ridgeway, 14 inches over Red Mountain Pass, and 20 inches on the mountain tops above Telluride.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## COLORADO, West

**COZ003>004-009>010-012-017>019** **Roan And Tavaputs Plateaus - Elkhead And Park Mountains/Flat Tops/White River Plateau - Grand And Battlement Mesas - Gore And Elk Mountains/Central Mountain Valleys/Aspen And Vicinity - West Elk And Sawatch Mountains/Taylor Park - Uncompahgre Plateau - Northwestern San Juan Mountains - Southwestern San Juan Mountains**

12	1200MST				0	0			Heavy Snow
13	0500MST								

A moist northwest flow generally produced 4 to 6 inches of snow in the mountains of western Colorado. The heaviest amount was 13 inches at the Steamboat Springs Ski Area.

**COZ009>011-018** **Grand And Battlement Mesas - Gore And Elk Mountains/Central Mountain Valleys/Aspen And Vicinity - Central Gunnison And Uncompahgre River Basin/Montrose And Vicinity - Northwestern San Juan Mountains**

20	1100MST				0	0			Heavy Snow
21	0600MST								

A moist northerly flow aloft brought 4 to 8 inches of new snow mainly to the central mountains and northwest San Juan Mountains of western Colorado. The heaviest amount was 11 inches in the mountains around Aspen.

**COZ009-011>012-014-017>019** **Grand And Battlement Mesas - Central Gunnison And Uncompahgre River Basin/Montrose And Vicinity - West Elk And Sawatch Mountains/Taylor Park - Upper Gunnison River Valley/Gunnison And Vicinity - Uncompahgre Plateau - Northwestern San Juan Mountains - Southwestern San Juan Mountains**

23	0400MST				0	0			Heavy Snow
24	0400MST								

A low pressure system over the desert southwest drew moisture up over the southern half of western Colorado, resulting in 4 to 8 inches of new snow for the mountains and 3 to 6 inches in valleys above the 6500 foot level. The heaviest amounts included 10 inches in the mountains above Telluride and 10 inches over Red Mountain Pass.

**COZ018>019-021>023** **Northwestern San Juan Mountains - Southwestern San Juan Mountains - Four Corners/Upper Dolores River/Cortez And Vicinity - Animas River Basin/Durango And Vicinity - San Juan River Basin/Pagosa Springs And Vicinity**

24	2100MST				0	0			Heavy Snow
25	0500MST								

Another surge of moisture from the south generally produced 4 to 7 inches of new snow above the 6000 foot level in southwest Colorado. The heaviest amount reported was 8 inches near Lemon Reservoir in the southwest San Juan Mountains.

**COZ003-009-018>019-021>023** **Roan And Tavaputs Plateaus - Grand And Battlement Mesas - Northwestern San Juan Mountains - Southwestern San Juan Mountains - Four Corners/Upper Dolores River/Cortez And Vicinity - Animas River Basin/Durango And Vicinity - San Juan River Basin/Pagosa Springs And Vicinity**

27	0200MST				0	0			Winter Storm
28	0600MST								

A low pressure system developed over the area from the north and produced 8 to 24 inches of new snow in the southwest San Juan Mountains. 6 to 9 inches of snow fell in the northwest San Juan mountains and central mountains of western Colorado. Snowfall in the lower elevations of southwest Colorado ranged from 6 to 16 inches. Some of the heaviest amounts included 28 inches at Lemon Dam northeast of Durango, 22 inches at Coal Bank Pass, 22 inches at Bonham Reservoir on the Grand Mesa, 17 inches at Mesa Verde National Park, and 17 inches in Durango. Blowing and drifting snow were common over the higher elevations.

## CONNECTICUT, Northeast

**CTZ002** **Hartford**

22	1222EST				0	0			Record Warmth
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The temperature at Bradley International Airport in Windsor Locks reached 69 degrees at 12:22 PM. This surpassed the previous record of 62 degrees set in 1991.

## CONNECTICUT, Northwest

**CTZ001** **Litchfield**

22	1200EST				0	0	6K		High Wind
	1600EST								

On February 22, an intense area of low pressure moved from northern Indiana northeast to the Saint Lawrence Valley. High winds associated with this system produced damage across parts of Litchfield County during the afternoon. Trees and wires were downed by the wind in several locations.

## CONNECTICUT, Southern

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

February 1997

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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## DELAWARE

**DEZ001>002**

**New Castle - Kent**

08	0600EST 2200EST				0	0				Heavy Snow
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**DEZ003>004**

**Inland Sussex - Delaware Beaches**

08	0600EST 2000EST				0	0				Snow
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The heaviest snow of the winter season for most of Delaware fell throughout the day on the 8th. Snow started just before sunrise on the 8th and fell at a fairly steady clip throughout the day. The snow ended during the evening hours. The snow was mixed with rain at times in Sussex County, especially toward the shore and this held accumulations down in the county. Accumulations were fairly uniform in Kent and New Castle Counties and averaged 4 to 6 inches. The highest accumulations (around 6 inches) occurred with a band of heavier snow that passed across Kent County. Accumulations in Sussex County ranged from 4 inches across northwest sections to less than 2 inches at the shore.

Since this snow fell on a Saturday, the number of accidents was reduced. Nevertheless, the state police in New Castle County responded to over 60 accidents and disabled vehicles. In Kent County, the state police responded to over a dozen accidents and several disabled vehicles - a couple skidded into ditches. In Sussex County, a few accidents were reported during the evening of the 8th as temperatures dropped below the freezing mark.

The low pressure system responsible for the heavy snow initially formed in the western Gulf of Mexico on the 7th. By the morning of the 8th, there were three separate centers, over Georgia, western North Carolina and near Cape Hatteras. These combined into one by the afternoon of the 8th. The low though moved fairly quickly out to sea. By 7 a.m. EST on the 9th, it was already about 500 miles eastnortheast of the Delaware Coast. While its storm track placed the band of heaviest snow across Delmarva and Southern New Jersey, its fast movement prevented heavier accumulations from occurring.

**DEZ001**

**New Castle**

14	0000EST 0600EST				0	0				Wintry Mix
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A high pressure system brought in a relatively cold and dry air mass into the Northeast on the 12th and 13th. Then a low pressure system travelled along the Eastern Seaboard and dropped a wintry mix of snow and freezing rain in Northern Delaware prior to dawn on the 14th. Precipitation started as snow across northern areas of Delaware the night of the 13th/morning of the 14th. South winds above the ground brought in relatively warmer air and changed the snow to freezing rain by 3 a.m. EST. East winds near the surface then brought in warmer air and helped change the freezing rain to just plain rain by 6 a.m. As is typically the case, the change to plain rain took the longest in some of the hillier terrain of northwestern New Castle County. Little if any freezing or frozen precipitation fell farther south in Delaware. Driving on untreated roadways overnight was hazardous. Snowfall totals prior to the changeover were generally less than one inch. At the New Castle County Airport, the snowfall was 0.5 inches.

The low pressure system responsible for the wintry mix developed over northern Mexico on the 12th. It moved along southern parts of the Gulf Coast States on the 13th before moving quickly up the Eastern Seaboard the night of the 13th through the night of the 14th. The low went from Savannah, Georgia at 7 p.m. EST on the 13th to Portland, Maine at 7 p.m. EST on the 14th. The fast movement kept precipitation totals down. Conversely since it was a relatively weak low pressure system, the winds were light and this kept cold air trapped in some of the valleys in northwestern New Castle County and prolonged the changeover to plain rain.

**DEZ001>004**

**New Castle - Kent - Inland Sussex - Delaware Beaches**

19	1100EST				0	0				Unseasonably Warm
22	1700EST									

A persistent west to southwest flow at all levels of the atmosphere brought unseasonably warm weather into the Northeast from the afternoon of the 19th through the 22nd. This warm spell ended rather abruptly with a strong cold frontal passage on the 22nd. The warmest temperatures reached around 70 degrees in most areas. The New Castle County Airport tied two high temperature records: 67 degrees on the 19th and 69 degrees on the 22nd.

**Kent County  
Smyrna**

22	1320EST				0	0				Thunderstorm Wind
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**Kent County  
Camden**

22	1335EST				0	0				Thunderstorm Wind
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A squall line of severe thunderstorms ripped down large limbs and consequently some wires in both Smyrna and Camden in Kent County.

**DEZ001>004**

**New Castle - Kent - Inland Sussex - Delaware Beaches**

26	1200EST				0	0				Unseasonably Warm
28	2359EST									

A persistent west to southwest flow of air throughout the Eastern United States brought unseasonably warm air into Delaware from the afternoon of February 26th through March 2nd. The warmest day through this spring preview was February 27th as many new record high temperatures were set. A series of cold fronts, one early on February 28th and a stronger second one on March 2nd brought temperatures closer to seasonal levels. At the New Castle County Airport, the high temperature of 73 degrees set a new



# Storm Data and Unusual Weather Phenomena

February 1997

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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## FLORIDA, West Panhandle

NONE REPORTED.

## GEORGIA, East Central

NONE REPORTED.

## GEORGIA, Lower

NONE REPORTED.

## GEORGIA, North and Central

### **Fayette County**

<b>Peachtree City</b>	21	1340EST 1345EST			0	1	1K		<b>Thunderstorm Wind</b>
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Numerous large trees and power lines were downed in the Twiggs Corner and Hip Pocket Road areas of Peachtree City. Some trees were pushed over while others were snapped off several feet above ground. Several homes were damaged by falling trees. Power outages also resulted. Other trees were blown down on the east side of town in the Robinson Road area.

### **Cobb County**

<b>Kennesaw</b>	21	1340EST			0	0	50K		<b>Thunderstorm Wind</b>
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Severe thunderstorms ahead of a cold front had produced some damage in Alabama the morning of the 21st. The storms weakened as they moved into western Georgia, but by early afternoon they began to re-intensify. Three main areas joined together to form a line of thunderstorms. Bow echoes along the line produced damaging winds and possibly a few funnels as the line marched across north Georgia during the afternoon.

Thunderstorm winds flipped light airplanes over at McCollum Airport near Kennesaw.

### **Fayette County**

<b>Fayetteville</b>	21	1355EST 1400EST			0	4	600K		<b>Thunderstorm Wind</b>
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The same thunderstorm continued into the east part of Fayette county. Trees were knocked down on the west side of Fayetteville. On highway 85 in Fayetteville, a McDonalds' sign was blown out. A large tree was snapped off 15 to 20 feet above the ground and fell onto a truck and a car in the drive-through lane at a Wendy's restaurant. Luckily, there were only minor bumps and bruises suffered by the occupants of the vehicles. Shingles were blown off of an office building. Other trees were blown down just east of that location.

### **Clayton County**

1 W Jonesboro to 5 NE Jonesboro	21	1400EST 1405EST			0	0	25K		<b>Thunderstorm Wind</b>
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Clayton county 911 reported thunderstorm winds knocked down numerous trees along highway 54 from near Flint River road to highway 41 and near the intersection of highway 42 and I-675. Some of the trees fell onto houses causing damage.

### **Henry County**

<b>Stockbridge to Locust Grove</b>	21	1405EST 1410EST			0	0	20K		<b>Thunderstorm Wind</b>
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A citizen reported about 20 trees broken off above the ground in the Stockbridge area. A NWS employee reported trees down in Locust Grove.

### **Fulton County**

<b>Atlanta</b>	21	1410EST			0	0	5K		<b>Thunderstorm Wind</b>
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Thunderstorm winds knocked down several large trees. Power outages resulted.

### **De Kalb County**

<b>Lithonia</b>	21	1410EST			0	0	1K	0	<b>Thunderstorm Wind</b>
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A large tree fell on a house on Klondike Road. Windows were blown out at Murphy Candler Elementary School.

### **Rockdale County**

<b>Conyers</b>	21	1420EST			0	0	1.5K	0	<b>Thunderstorm Wind</b>
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Rockdale 911 reported large trees knocked down.

### **Walton County**

<b>Monroe</b>	21	1430EST			0	0	100K	0	<b>Thunderstorm Wind</b>
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Trees and power lines were down. Thunderstorm winds damaged several house and a barn's roof was torn off.

### **Newton County**

<b>Countywide</b>	21	1445EST			0	0	2K	0	<b>Thunderstorm Wind</b>
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County 911 center reported that trees and tree limbs were down across the county.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## GEORGIA, North and Central

### Hall County

Murraysville to  
Murraysville

21	1445EST 1510EST				0	0	500K	0	<b>Thunderstorm Wind</b>
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At approximately 245 pm, the leading edge of the storm system moved into the Murrayville area of Hall county. A single wide mobile home was completely demolished in the Yellocreek Road area. A double wide modular home on H. Abercombie Road was moved 6 feet off of its foundation and a pump house/storage building was destroyed. Several chicken houses, a barn and a workshop were also damaged by the winds. Numerous trees and power lines were downed in several locations of the same general area. A tree had fallen onto a vehicle trapping the occupants, who were shaken but uninjured.

By 300 pm the storm had progressed to Mud Creek Road and Belton Bridge Road area west of Lula. Two trees were down on a house, with several trees and limbs down in the area. A large pine tree crushed a Toyota 4x4 pickup.

On Monday February 24, 1997 several National Weather Service employees from Peachtree City travelled to the affected area to survey the damage. After extensive interviews with EMA officials it was concluded that the damage was caused mainly by straightline winds which may have had imbedded gustnadoes.

### Barrow County

Bethlehem

21	1450EST				0	0	2K	0	<b>Thunderstorm Wind</b>
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County 911 reported trees and power lines down in southern portions of the county.

### Morgan County

Madison

21	1450EST				0	0	1K	0	<b>Thunderstorm Wind</b>
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County 911 reported several trees down within city limits.

### Banks County

5 N Hollingsworth

21	1453EST				0	0	1.5K	0	<b>Thunderstorm Wind</b>
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Several trees and power lines were knocked down along Georgia Highway 105.

### Oconee County

Stathum to  
Bogart

21	1502EST				0	0	15K	0	<b>Thunderstorm Wind</b>
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Two chicken houses were destroyed in the northern portion of the county near Stathum and Bogart.

### Clarke County

Athens

21	1505EST				0	0	2.5K	0	<b>Thunderstorm Wind</b>
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A National Weather Service employee reported trees and powerlines down in the Cedar Creek area.

### White County

3 N Helen

21	1507EST				0	0	7K	0	<b>Thunderstorm Wind</b>
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White County Emergency Management Agency reported that a roof was torn off a home. A chicken house was also damaged.

### Oglethorpe County

Winterville

21	1510EST 1515EST				0	0	500K	0	<b>Thunderstorm Wind</b>
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On Beaver Dam Road in Winterville, a permanent structure home was 60 percent destroyed, and several other houses had roof damage. Several chicken coops were knocked over and numerous trees were knocked down. The damage was confined to a path which was approximately 300 feet wide and 2 miles long. The path of tree damage was described as having a domino effect.

### Madison County

Danielsville

21	1510EST				0	0	17.5K	0	<b>Thunderstorm Wind</b>
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Numerous, more than 20, trees down south of Danielsville, as well as along Georgia State Highway 72 in the southern portion of the county. Power outages were reported countywide. One house suffered some structural damage.

### Jackson County

Jefferson

21	1515EST				0	0	0.50K	0	<b>Thunderstorm Wind</b>
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One tree was reported down on Georgia State Highway 441 by a weather spotter.

**GAZ014-020>024-  
031>033-042-052>056**

**Dawson - Bartow - Cherokee - Forsyth - Hall - Banks - Paulding - Cobb - North Fulton - Carroll - Heard -  
Coweta - Fayette - Clayton - Spalding**

27	2200EST				0	0			<b>Flood</b>
28	2300EST								

Steady rain with scattered heavy showers and thunderstorms produced rain amounts over 4 inches from Thursday evening to Friday night in

parts of northwest and north Georgia. Doppler radar precipitation totals indicated two separate maxima. One extended from Heard county through Coweta, Fayette, Clayton and Henry counties. Another extended from Paulding through northern Cobb and southern Cherokee, across northern Fulton county, through Forsyth and southern Dawson counties into Hall and Banks counties. Minor flooding of low lying areas and street flooding were the main problems. Reports received indicated Carroll county had 25 roads closed. A bridge was washed out in Temple in the north part of the county. A store in Franklin in Heard county had some stock damaged due to flooding. Wal-Mart in Fayetteville had some light flooding. Lots of street flooding was reported in Fulton and Cobb counties. Some roads were closed in Fulton county. Minor flooding was reported in Fayette and Clayton counties.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## GEORGIA, Northeast

### **GAZ010-017>018**

#### **Rabun - Habersham - Stephens**

13	0600EST 1400EST				0	0			Wintry Mix
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A couple of inches of snow fell in the higher elevations of Rabun, Habersham, and Stephens counties. In Habersham county, the snow changed to a mixture of freezing rain and sleet around noon.

#### **Habersham County**

9 SW Cornelia to 5 NE Cornelia	21	1500EST 1515EST	14	100	0	0	100K		Tornado (F1)
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#### **Rabun County**

Dillard	21	1500EST 1505EST			0	0			Thunderstorm Wind (G50)
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#### **Stephens County**

Eastanollee	21	1515EST 1520EST			0	0	5K		Thunderstorm Wind (G50)
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#### **Hart County**

5 S Hartwell	21	1525EST 1530EST			0	0			Thunderstorm Wind (G50)
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#### **Franklin County**

5 NW Carnesville	21	1530EST 1535EST			0	0			Thunderstorm Wind (G50)
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#### **Elbert County**

2 NE Elberton	21	1545EST 1550EST			0	0			Thunderstorm Wind (G50)
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A squall line proceeded rapidly across northeast Georgia causing several areas of wind damage. A tornado crossed from Hall county into Habersham county and moved across the county in about 15 minutes. Most of the wind damage occurred along or near the tornado track. For the most part, damage consisted of downed trees and power lines - many of which fell on homes and businesses. Some light structural damage occurred especially around Cornelia and just after the tornado crossed into Habersham. In northern Stephens county wind damage continued after the tornado dissipated. Farther south, wind damage occurred in storms which later would cause some tornado damage across the border in South Carolina. Where not mentioned specifically, damage listed above was downed trees and power lines.

#### **Elbert County**

Countywide	28	1745EST 2000EST			0	0			Flash Flood
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#### **Hart County**

Countywide	28	1745EST 2000EST			0	0			Flash Flood
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One bridge in each county was reported flooded after slow moving thunderstorms dumped several inches of rain during the day.

## GEORGIA, Southeast

NONE REPORTED.

## GEORGIA, Southwest

NONE REPORTED.

## GEORGIA, West Central

NONE REPORTED.

## HAWAII

### **HIZ001>006**

#### **Kauai - Oahu - Maui - Island Of Hawaii - Molokai - Lanai**

03	1100HST				0	0			High Surf
04	0500HST								

A storm low over the northwest Pacific generated swell that produced surf of 10 to 15 feet along northwest facing shores of the islands.

### **HIZ001>006**

#### **Kauai - Oahu - Maui - Island Of Hawaii - Molokai - Lanai**

07	2000HST				0	0			High Surf
09	1600HST								

A storm low far northwest of the Hawaiian Islands generated swell that produced surf of 8 to 15 feet along the north and west

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>HAWAII</u></b>									
			shores of the islands.						
<b>HIZ001&gt;006</b>			<b>Kauai - Oahu - Maui - Island Of Hawaii - Molokai - Lanai</b>						
	10	0800HST			0	0			<b>High Surf</b>
	12	0500HST							
			A storm low far northwest of the Hawaiian Islands generated swell that produced surf of 12 to 18 feet along the north and west shores of the islands.						
<b>Hawaii County</b>									
<b>Kailua Kona</b>	12	0400HST			0	0			<b>Urban/Sml Stream Fld</b>
		0630HST							
			Heavy showers produced widespread minor flooding in the North Kona and South Kohala Districts, including the Waikoloa Village area.						
<b>Kauai County</b>									
<b>Anahola</b>	12	2145HST			0	0			<b>Urban/Sml Stream Fld</b>
		2330HST							
			Heavy showers produced minor flooding of roads and low-lying areas from Kilauea to Anahola to Wailua.						
<b>HIZ001&gt;006</b>			<b>Kauai - Oahu - Maui - Island Of Hawaii - Molokai - Lanai</b>						
	12	2300HST			1	0			<b>High Surf</b>
	15	0800HST							
			A storm low far northwest of the Hawaiian Islands generated swell that produced surf of 15 to 20 feet with occasional sets to 25 feet along the north shores and surf of 10 to 15 feet along the west shores of the islands. On the 13th, at approximately 11:30 a.m., surf up to 25 feet claimed the life of a professional surfer at Alligator Rock located between Waimea Bay and Chun's Reef on Oahu's North Shore. Lifeguards assisted over 30 people in distress near Oahu's shores on the 13th. M28IW						
<b>HIZ001&gt;006</b>			<b>Kauai - Oahu - Maui - Island Of Hawaii - Molokai - Lanai</b>						
	15	1700HST			0	0			<b>High Surf</b>
	17	0500HST							
			A storm low in the northwest Pacific generated swell that produced surf of 12 to 16 feet along north shores and surf of 5 to 10 feet along west shores of the islands.						
<b>HIZ001&gt;006</b>			<b>Kauai - Oahu - Maui - Island Of Hawaii - Molokai - Lanai</b>						
	22	1000HST			0	0			<b>High Surf</b>
	24	2200HST							
			A storm low in the northwest Pacific generated swell that produced surf of 15 to 20 feet along the north shores and 5 to 10 feet along the west shores of Kauai and Oahu. Surf of 8 to 12 feet occurred along the north and west shores of the other islands.						
<b>Hawaii County</b>									
<b>Honokaa</b>	22	2300HST			0	0			<b>Urban/Sml Stream Fld</b>
	23	0200HST							
			Isolated heavy showers caused minor flooding of streets and low-lying areas in the Hamakua District from Honokaa to Hakalau.						
<b>HIZ004</b>			<b>Island Of Hawaii</b>						
	24	0300HST			0	0	2.1M	2M	<b>High Wind (G90)</b>
	26	0100HST							
			Wind gusts of 80 to 105 mph were recorded near the summit of Mauna Kea early on the 24th. Maximum winds at WSO Hilo were 48G59 mph.						
<b>HIZ003</b>			<b>Maui</b>						
	24	2000HST			0	0			<b>High Wind (G71)</b>
	26	0100HST							
			Wind gusts of 60 to 82 mph were recorded near the summit of Haleakala.						
<b>HIZ004</b>			<b>Island Of Hawaii</b>						
	25	0500HST			0	0			<b>Winter Storm</b>
	27	1800HST							
<b>HIZ001&gt;006</b>			<b>Kauai - Oahu - Maui - Island Of Hawaii - Molokai - Lanai</b>						
	25	0900HST			0	0			<b>High Surf</b>
	26	2300HST							
<b>HIZ003</b>			<b>Maui</b>						
	25	1500HST			0	0			<b>Winter Storm</b>
	27	2300HST							
<b>Hawaii County</b>									
<b>Naalehu to Volcano</b>	27	0905HST			0	0			<b>Tstm Wind/Hail</b>
		0925HST							
			1/2 inch hail was reported by a weather spotter in Naalehu and by a NWS technician near Volcano Village.						

An intense subtropical low approached the Hawaiian Islands from a position east of the Island of Hawaii during the 24th and 25th. High winds first developed at the lower elevations of Hawaii's Hilo District on the morning of the 24th with the greatest wind

# Storm Data and Unusual Weather Phenomena

February 1997

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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## HAWAII

damage reported between 9 a.m. and 1 p.m. During this time, WSO Hilo recorded a peak wind of 59 mph, and north to northeast wind gusts estimated as high as 70 to 80 mph caused widespread damage throughout the Hilo and Puna Districts.

155 homes and 20 businesses had damaged roofs. One home was destroyed. More than 12,000 macademia trees were destroyed, and the surviving trees lost most of their buds and flowers, severely affecting the next crop. Commercial flower growers reported significant losses throughout the Hilo and Puna Districts. On the 25th, high winds damaged the roofs of several homes in the North Kona and South Kohala Districts. Total losses from the two day high wind event exceeded 4 million dollars.

At 9,000 feet and above, high winds combined with freezing rain and snow to cut off access to the volcano summits of Mauna Kea, Mauna Loa, and Haleakala for two and a half days. Ice accumulated to 3 inches in some areas.

On Maui, several trees and utility poles were downed and part of a roof blew off a house in the Iao Valley on the 25th.

On Oahu and Kauai, short period swell produced surf of 8 to 12 feet along the northeast and east facing shores of the islands. Several beach parks were closed on Oahu and one lane of the Kamehameha Hwy was eroded by the high surf near Hauula.

Early on the 27th, a much weakened low level circulation moved to the south of Molokai, but deep moisture and an unstable airmass persisted over the east end of the state. Thunderstorms with hail and localized minor flooding occurred over the Kau and Puna Districts of the Island of Hawaii.

### **HIZ001>006**

#### **Kauai - Oahu - Maui - Island Of Hawaii - Molokai - Lanai**

27	1400HST								
28	0500HST			0	0				High Surf

A gale low far northwest of the Hawaiian Islands generated swell that produced surf of 8 to 12 feet along the north and west facing shores of the islands.

### **Hawaii County Pahoa**

28	0015HST								
				0	0				Urban/Sml Stream Fld

Isolated thunderstorms produced rainfall rates of 0.93 inches in 30 minutes in Pahoa with minor flooding of roads and low lying areas.

## IDAHO, Extreme Southeast

NONE REPORTED.

## IDAHO, North

NONE REPORTED.

## IDAHO, Northwest

NONE REPORTED.

## IDAHO, Southeast

NONE REPORTED.

## IDAHO, Southwest

### **IDZ012**

#### **Lower Treasure Valley**

02	0130MST								
	1100MST			0	0				Fog

Dense fog covered the eastern portion of the treasure valley. Visibility was reported at less than 20 feet.

### **IDZ001>002-004>006-011-019**

#### **Northern Panhandle - Coeur D'Alene Area - Shoshone - Northern Clearwater Mountains - Southern Clearwater Mountains - West Central Mountains - Upper Snake Highlands**

11	1000PST								
12	0900PST			0	0				Winter Storm

A winter storm moved across the state overnight mainly affecting Northern Idaho. The system brought 4 to 8 inches of new snow to many locations in the panhandle of Northern Idaho. Some higher totals included 8 inches at Kellogg in Shoshone County and 5 inches at Alder Creek in Benewah County and also at Athol in Kootenai County. In Southeastern Idaho, 6 to 7 inches fell at Mack's Inn and at Island Park in Fremont County.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## IDAHO, Southwest

**IDZ004>006**

**Shoshone - Northern Clearwater Mountains - Southern Clearwater Mountains**

26	2300PST				0	0	
27	1000PST						<b>Heavy Snow</b>

Heavy snow fell above 3000 feet in Shoshone County and the Northern and Southern Clearwater Mountains. Several locations reported 6 to 10 inches of new snow overnight.

## ILLINOIS, Central

**ILZ027-036**

**Knox - Fulton**

21	0000CST				0	0	
23	2300CST						<b>Flood</b>

A strong storm system produced very heavy rainfall on the 20th and 21st. The heaviest rains were along and north of the Illinois River. The area received 2 day totals of 3 to 4.5 inches of rain, which fell on frozen grounds. In response, the Spoon River at London Mills rose over 10 feet on the 21st and crested on the 22nd at 22.5 feet, 7.5 feet above flood stage. Water backed up into the basements of nearly all London Mills residences. Further downstream in Bernadotte, a low-lying park and a restaurant were flooded. No damage estimate was available.

**ILZ029>031-036>037-040>041-047-049>050**

**Peoria - Marshall - Woodford - Fulton - Tazewell - Schuyler - Mason - Cass - Scott - Morgan**

21	1800CST				0	0	
28	2359CST						<b>Flood</b>

A strong storm system produced very heavy rainfall along the Illinois River basin on the 20th and 21st. The area received 2 day totals of 3 to 4.5 inches of rain, which fell on frozen grounds. This caused numerous tributaries of the Illinois River to flood and in response the Illinois River began to rise. It rose over flood stage in Havana on the 21st, on the 22nd in Henry and Peoria, and on the 23rd in Beardstown. Another storm system moved through central Illinois on the 26th and produced between 1 and 2 inches of rain over the Illinois River basin, which just aggravated the flooding situation. The result was the 6th worst flood in history at Peoria and the 7th worst flood in history at Henry. The river was continuing to rise at the end of February with the crests to occur in the beginning of March. All points along the Illinois River crested by March 6th. Several homes just south of Spring Bay were flooded as well as several homes in Liverpool. No damage estimate was available.

## ILLINOIS, Northeast

**ILZ003-005-008-010>014-019>023**

**Winnebago - Mchenry - Ogle - Lee - De Kalb - Kane - Du Page - Cook - La Salle - Kendall - Grundy - Will - Kankakee**

20	1800CST				1	0	
22	1800CST						<b>Flood</b>

Heavy rainfall occurred during the period from February 20th to early February 22nd. Between 3 to 4 inches of rain fell over parts of Northern Illinois. Widespread extensive flooding resulted from the heavy rains falling over still frozen soils.

Rainfall totals for this period include; O'hare - \*4.07 inches

(\*highest daily rainfall amount for any day in February in Chicago), Midway - 4.6 inches, Aurora - 4.0 inches, Romeoville (NWS office) 4.2 inches, Elgin - 3.9 inches, Libertyville - 3.3 inches, Hampshire - 3.5 inches, Morris - 4.0 inches, Wheaton - -3.6 inches, Park Forest - 3.2 inches, Ottawa - 3.2 inches and DeKalb - 3.2 inches.

Along the Upper Illinois River, from Morris down to LaSalle, the river crested within a foot of record crest on February 22nd. Flooding forced the closure of Nettle Creek School and Saratoga School in Morris. In Grundy County, numerous roads were flooded with an estimated \$48,000 in roadway damage. Property damage was estimated at \$250,000 throughout Grundy County. In Sycamore, DeKalb County, some 300 residents were evacuated from Evergreen Terrace Mobile Home Park. In Ottawa, the Ottawa Township High School and Central Schools had an estimated \$40,000 worth of damage.

The heavy rainfall brought the Des Plaines River above flood stage. It was estimated as many as 200 homes were affected in some way by the Des Plaines River flooding. In Maine Township of Cook County, some 168 homes received water damage.

Widespread flooding occurred along the Pecatonica and Kishwaukee Rivers in North Central Illinois. Flooding affected primarily roads and large areas of farmland along the river.

One death occurred during this period. A 63 year-old woman died when she drove her car into a barricaded, flooded viaduct under railroad tracks in Matteson, a south suburb of Chicago. F63VE

## ILLINOIS, Northwest

**ILZ001>002-007-009-015>018-024>026-034>035**

**Jo Daviess - Stephenson - Carroll - Whiteside - Rock Island - Henry - Bureau - Putnam - Mercer - Henderson - Warren - Hancock - McDonough**

03	2000CST				0	0	
04	1200CST						<b>Winter Storm</b>

A wintery mix of rain, freezing rain, sleet, and heavy wet snow was accompanied by a few reports of lightning. Two-to-five

# Storm Data and Unusual Weather Phenomena

February 1997

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

## **ILLINOIS, Northwest**

inches of snow fell across the area with the heaviest snows across extreme northwest Illinois. Lesser snow accumulations to the south were the result of mixed sleet and rain. The slick roads caused school delays and numerous accidents.

### **Bureau County**

Countywide	20	1600CST			0	0			Flood
	24	1600CST							

### **Carroll County**

Countywide	20	1600CST			0	0			Flood
	24	1600CST							

### **Hancock County**

Countywide	20	1600CST			0	0			Flood
	24	1600CST							

### **Henderson County**

Countywide	20	1600CST			0	0			Flood
	24	1600CST							

### **Henry County**

Countywide	20	1600CST			0	0			Flood
	24	1600CST							

### **Jo Daviess County**

Countywide	20	1600CST			0	0			Flood
	24	1600CST							

### **Mcdonough County**

Countywide	20	1600CST			0	0			Flood
	24	1600CST							

### **Mercer County**

Countywide	20	1600CST			0	0			Flood
	24	1600CST							

### **Putnam County**

Countywide	20	1600CST			0	0			Flood
	24	1600CST							

### **Rock Island County**

Countywide	20	1600CST			0	0	550K		Flood
	24	1600CST							

### **Stephenson County**

Countywide	20	1600CST			0	0			Flood
	24	1600CST							

### **Warren County**

Countywide	20	1600CST			0	0			Flood
	24	1600CST							

### **Whiteside County**

Countywide	20	1600CST			0	0	600K		Flood
	24	1600CST							

Heavy rains fell over the area while soils were still partially frozen. These widespread two-to-four inch rains came as area rivers and streams were running high from snowmelt from the previous week. Nearly every stream and river went out of its banks, leaving standing water for several days afterward.

The single largest impact was felt along the Rock River where record flooding occurred. At Joslin the river reached a record crest of 18.77 feet. This flooding came with large ice jams and, despite massive sand-bagging efforts, the combination of high water and ice breaks broke through levees near Erie and Hillsdale. Flooding caused evacuations of several towns along the Rock River.

Water broke through a 200 foot section of a railroad tressel and flooded Erie, Illinois, 200 to 250 persons had to be evacuated. Over 2/3 of Cleveland, Illinois' 300 residents had to be evacuated. 95% of Hillsdale, Illinois was covered in knee deep water with some areas over ten feet deep. 80% of Hillsdale's 500 residents were evacuated.

These breaks relieved some of the stress further down stream; however, Moline still experienced some flooding and the fourth highest crest since the datum began in 1929. The impact of flooding along the Rock River was so great that the counties of Rock Island, Whiteside, and Henry were delared state disaster areas.

# Storm Data and Unusual Weather Phenomena

February 1997

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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## ILLINOIS, South

### **ILZ087-092>094**

#### **Gallatin - Alexander - Pulaski - Massac**

01	0001CST				0	0			<b>Flood</b>
08	2330CST								

Snowmelt and thunderstorms producing heavy rainfall in January sent the Ohio River rising and cresting during the first half of February. The Ohio River crested at 35.8 feet at Shawneetown on the 2nd and again on the 10th. Flood stage there is 33 feet. At Brookport and Cairo, the Ohio River crested between 1 and 3 feet above flood stage on the 1st. Minor flooding of bottomland occurs at these stages. No significant damage occurred.

### **ILZ084**

#### **Jackson**

01	0001CST				0	0			<b>Flood</b>
08	2300CST								

Snowmelt and thunderstorms producing heavy rainfall in January sent the Big Muddy River rising and cresting around the first of February. At Murphysboro, the river crested at 21.7 feet, well above the 16 foot flood stage. There was moderate flooding of bottomland. No significant damage occurred.

### **ILZ083**

#### **White**

01	0001CST				0	0			<b>Flood</b>
09	2300CST								

Snowmelt and thunderstorms producing heavy rainfall in January sent the Little Wabash River rising and cresting during the first week of February. At Carmi, the river crested about two feet above flood stage on the 2nd. There was minor flooding of bottomland, and no significant damage occurred.

### **ILZ075**

#### **Jefferson**

07	1800CST				0	0			<b>Winter Storm</b>
08	0300CST								

Accumulations ranged from less than an inch around Mt. Vernon to almost 3 inches at Golconda, on the Ohio River. Some of the wet snow melted on contact with warmer road surfaces.

### **ILZ084**

#### **Jackson**

13	0600CST				0	0			<b>Winter Storm</b>
	1200CST								

Snow accumulated an inch or two across far southern Illinois from Carbondale south and east. The snow was mixed with sleet and rain for a brief time.

### **Wabash County**

3 W Allendale to  
Mt Carmel

21	0510CST				0	0	<b>6K</b>		<b>Thunderstorm Wind</b>
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Trees and limbs were blown down across the county, blocking a few state roads. A number of power poles were snapped west of Allendale.

### **ILZ084-088-092**

#### **Jackson - Union - Alexander**

26	0300CST				0	0			<b>Flood</b>
28	2359CST								

Heavy rainfall during the last half of February across the upper Plains sent the Mississippi River rising over flood stage by month's end. At Thebes, the river rose above the 33 foot flood stage on the 26th. Only minor bottomland flooding occurred through the end of the month.

### **Alexander County**

Cairo Arpt

28	1632CST				0	0			<b>Hail (1.75)</b>
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### **Massac County**

Metropolis

28	1800CST				0	0			<b>Urban/Sml Stream Fld</b>
	1900CST								

Rainfall up to three quarters of an inch per hour caused areas of street flooding for a short time. Roads in the Metropolis area were covered by water.

## ILLINOIS, Southwest

NONE REPORTED.

## INDIANA, Central

### **INZ021>023-028>029-035-043>044-051-060-067**

#### **Carroll - Cass - Miami - Warren - Tippecanoe - Fountain - Vermillion - Parke - Vigo - Sullivan - Knox**

22	0000EST				0	0			<b>Flood</b>
28	2359EST								

Heavy rainfall averaging 2 to 4 inches over the north third of Indiana on the 20th and 21st resulted in lowland flooding in the Eel, Wabash and Tippecanoe River basins. Water levels reached two to six feet above flood stages in these basins but predominantly affected river roads and adjacent agricultural lands. The Northern Indiana Public Service Company issued a Level 2 Alert Status

# Storm Data and Unusual Weather Phenomena

February 1997

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

## INDIANA, Central

for the Tippecanoe River below Oakdale Dam with flows around 12,000 cubic feet per second. On the lower stretches of the Wabash River, the flooding continued until approximately the 6th of March.

**INZ021>023-028>029-035>038-040>041-043>048-051>053-060>061-067**

**Carroll - Cass - Miami - Warren - Tippecanoe - Fountain - Montgomery - Boone - Tipton - Madison - Delaware - Vermillion - Parke - Putnam - Hendricks - Marion - Hancock - Vigo - Clay - Owen - Sullivan - Greene - Knox**

27	0300EST				0	0			<b>Flood</b>
28	2359EST								

Heavy rains of two to three inches on the 26th and 27th, combined with saturated soils and existing high water levels to produce widespread river flooding across the north third of Indiana again. The Wabash, Eel, Tippecanoe, and White Rivers of north and central Indiana exceeded flood stage by anywhere from 2 to 8 feet affecting agricultural bottom land and many river roads. Some evacuations were necessary along parts of these major rivers and some of their smaller tributaries. For some streams, these were the highest water levels in four years. Smaller streams fell below flood stage by March 1st while the larger rivers remained in flood for 5 to 10 days or well into March.

**INZ022-041-056**

**Cass - Delaware - Shelby**

27	0622EST				0	0			<b>High Wind (G48)</b>
	0646EST								

A strong cold front sweeping east across Indiana during the pre-dawn hours of February 27th produced widespread strong winds of 30 to 40 mph across much of Indiana. Isolated reports of wind gusts at 50 to 55 mph resulted in some trees being blown down and power lines knocked out by those trees.

**Boone County  
Lebanon**

27	2100EST				0	0			<b>Urban/Sml Stream Fld</b>
28	0430EST								

A strong weather system moving across the Ohio Valley produced widespread heavy rains across the north half of Indiana for the second time of this month. This resulted in ponding water on area roads and some smaller creeks to exceed bankful. No major problems were reported.

## INDIANA, Northeast

NONE REPORTED.

## INDIANA, Northwest

NONE REPORTED.

## INDIANA, South Central

**INZ079**

**Jefferson**

04	1100EST				0	0			<b>Flood</b>
05	2300EST								

1 to 2 inches of rain fell on already saturated ground leading to a crest of 17.9 feet at 8 pm edt on February 5 (flood stage is 15 feet) on the Muscatuck River at Deputy. Only a few county roads and agricultural bottomland were effected.

## INDIANA, Southeast

**INZ058**

**Fayette**

04	2100EST				0	0			<b>Flood</b>
05	1400EST								

The Whitewater River at Alpine came out of its banks and reached a crest of 13.1 feet at 200 pm on the 5th. The flooding was limited to low lying agricultural areas in southern Fayette County. Flood stage is 12 feet.

## INDIANA, Southwest

**INZ085**

**Posey**

01	0001CST				0	0			<b>Flood</b>
03	2300CST								

Snowmelt and thunderstorms producing heavy rainfall in January sent the Wabash River rising and cresting around the first of February. At New Harmony, the Wabash River crested at 15.8 feet, just over its 15 foot flood stage. Minor flooding of bottomland occurred. There was no significant damage.

**INZ081**

**Gibson**

07	1900CST				0	0			<b>Winter Storm</b>
08	0400CST								

Accumulations ranged from 1 to 3 inches. Some of the heavy wet snow melted on contact with road surfaces.

# Storm Data and Unusual Weather Phenomena

February 1997

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

**IAZ006>007-015>017-023>028-033>039-044>050-057>061-070>073**    **Winnebago - Worth - Palo Alto - Hancock - Cerro Gordo - Pocahontas - Humboldt - Wright - Franklin - Butler - Bremer - Sac - Calhoun - Webster - Hamilton - Hardin - Grundy - Black Hawk - Crawford - Carroll - Greene - Boone - Story - Marshall - Tama - Audubon - Guthrie - Dallas - Polk - Jasper - Cass - Adair - Madison - Warren**

<b>03</b>	<b>1400CST</b>				<b>0</b>	<b>0</b>	<b>500K</b>		<b>Heavy Snow</b>
<b>04</b>	<b>0800CST</b>								

A low pressure system developed over the southern Rockies during the afternoon of the 2nd and advanced into the southern Plains during the day on the 3rd. There were two centers of low pressure on the afternoon of the 3rd. One was located over western Nebraska, with the second over northern Oklahoma. During the evening of the 3rd, the two merged over Missouri and moved as one unified low pressure northeastward into Illinois. Precipitation developed over western Iowa at first and took the form of mixed freezing rain, ice pellets, and snow. The mixture changed over to snow rather quickly. Farther east, the precipitation remained freezing rain for a longer period over south central and southeast Iowa. Though freezing rain fell for a length of time, disruption was minor with amounts of ice accumulation limited. It did cause some travel disruption, but was not of storm proportion. Much of the northwest half of Iowa fell under the deformation zone during the evening and nighttime hours of the 3rd into the morning of the 4th. Heavy snow broke out over southern and central Iowa and drifted north. Snow amounts were limited to 3 to 4 inches over the southwest and south central counties by the intrusion of the dry slot aloft. Farther north, heavy snow continued into the night. Unlike most of the snowfalls during the winter, this system produced a very wet snow. Snow ratios in the central part of the state were around 9 to 1, while further north ratios were closer to 12 to 1. The wet snow was a blessing in that it was not able to drift around a great deal. Wind speeds during the storm were generally under 30 MPH which was not enough to cause a significant amount of blowing snow. The down side of the snow was it was heavy and sticky. It quickly coated trees and some power lines. There were reports of trees being downed by the wet snow and a few power lines. The heaviest band of snow was about four counties wide and extended from west central Iowa, through central Iowa into the northeast Counties. This band received a general 6 to 10 inch snowfall. Most of the snow fall in a little over 6 hours. Some of the heavier totals included 13 inches at Hubbard in Hardin County, 12 inches at Rock Falls in Cerro Gordo County. Twelve inches were also measured at Ogden, Schaller, Greene, and Storm Lake. Eleven inches fell in Boone County at Boone and at Carroll in Carroll County. As mentioned before, southeast of the heavy snow band, snowfall was generally in the 2 to 4 or 5 inch range. Northwest of the band, 4 to 6 inches of snow was recorded. Travel was disrupted across the entire state, though roads were not shut down. Many school districts and some businesses closed on the 4th due to poor road conditions. Following this storm, decisions were made in several of the northern counties of the state to stop plowing roads for the balance of the winter season. Snow plowing budgets were reported to be between 80% and 117% used as of early February. Areal surveys were made and the decision was made to cease plowing several thousand miles of county roads that were little used and that no houses were located along.

**IAZ034>039-044>050-057>062-070>075-081>086-092>097**    **Calhoun - Webster - Hamilton - Hardin - Grundy - Black Hawk - Crawford - Carroll - Greene - Boone - Story - Marshall - Tama - Audubon - Guthrie - Dallas - Polk - Jasper - Poweshiek - Cass - Adair - Madison - Warren - Marion - Mahaska - Adams - Union - Clarke - Lucas - Monroe - Wapello - Taylor - Ringgold - Decatur - Wayne - Appanoose - Davis**

<b>18</b>	<b>1800CST</b>				<b>0</b>	<b>0</b>	<b>750K</b>		<b>Flood</b>
<b>24</b>	<b>0600CST</b>								

Iowa was under a deep snow pack with water equivalents ranging from around an inch over the south third of the state to around 5 inches across the north. A strong warming trend took place as cold air over Iowa was replaced with Chinook air from the Rockies. Rapid melting of the snow pack took place with as much as 11 inches melting in just one day on the 19th. Though the warming began on the 18th, the bulk of the melt took place the next day. Early in the flooding event, flooding was caused as ice choked rivers were unable to handle runoff. Flooding took place in the upper reaches of many of the states rivers. By the afternoon of the 19th, flooding was taking place along many of the mainstem rivers. The most significant flooding was along the Iowa River, where the river crested nearly 4 feet over flood stage. This flooded a considerable amount of low land area and closed several county roads. Ice jams caused problems resulting in closed roads at many locations around the state. To further aggravate the situation, rain began falling over the southeast third of the state on the 20th. The heaviest fall during the night of the 20th and early morning of the 21st. As much as two and one half inches fell over the far south. Most areas received around an inch. Flooding continued over the weekend, however with the passage of a cold front and sub-freezing temperatures, flooding gradually abated on the 23rd and 24th.

## **Polk County Des Moines**

<b>19</b>	<b>0800CST</b>				<b>1</b>	<b>0</b>	<b>30K</b>		<b>Flash Flood</b>
	<b>1200CST</b>								

Significant ice jams took place along the Raccoon River along its lower reaches. One occurred where the river flows through a gravel pit on the west side of the Des Moines area. A woman was driving across a flood plain road when one of the ice jams suddenly broke. The water rose quickly and her vehicle was swept off the road with her in it. The woman was drown with both her body and vehicle found several hours later in 30 feet of water. The incident occurred around 0930 CST. Reports indicate water began to overtop the road about 0810 CST, however reports indicated that the water was not very deep when she first started along the road. F51VE

## **Polk County Des Moines**

<b>19</b>	<b>2100CST</b>				<b>0</b>	<b>0</b>	<b>100K</b>		<b>Flash Flood</b>
<b>20</b>	<b>0500CST</b>								

Ice jams continued along the lower reaches of the Raccoon River. A major ice jam, 12 miles in length, began at the 63rd street

# Storm Data and Unusual Weather Phenomena

February 1997

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

## IOWA, Central

bridge in West Des Moines. The river went slightly above flood stage there before it broke free. The ice flowed down the river where it once again became jammed near the mouth of the river. It caused a rapid rise in the river level to nearly 2 feet above flood stage. Roads along the river were closed by the high water and ice. Heavy equipment needed to be brought in to move the large chunks of ice off the roads before they could be opened.

## IOWA, East Central and Southeast

**IAZ040>042-051>054-063>068-076>078-087>089-098>099**    **Buchanan - Delaware - Dubuque - Benton - Linn - Jones - Jackson - Iowa - Johnson - Cedar - Clinton - Muscatine - Scott - Keokuk - Washington - Louisa - Jefferson - Henry - Des Moines - Van Buren - Lee**

<b>03</b>	<b>2000CST</b>								
<b>04</b>	<b>1200CST</b>				<b>0</b>	<b>0</b>			<b>Winter Storm</b>

A wintery mix of rain, freezing rain, sleet, and heavy wet snow was accompanied by a few reports of lightning. Extreme lightning damage was done to a home in Washington, Iowa. The greatest impact of the storm, however, resulted from the two-to-eight-inch snowfall across the area. The heaviest snows fell along and north of a Cedar Rapids to Dubuque line. Lesser snow accumulations to the south were the result of mixed sleet and rain. Slick and snow-covered roads caused school delays and cancellations, and numerous accidents including one involving three dozen cars. Scattered utility outages also occurred. The city of Cedar Rapids estimated the cost of snow removal for this one event to range from thirty to forty thousand dollars.

### **Washington County Washington**

<b>04</b>	<b>0400CST</b>								
					<b>0</b>	<b>0</b>			<b>Lightning</b>

Incredible lightning damage was done to a two-story home in Washington, Iowa during a thundersnow storm. Lightning struck the family's large television antenna tower, scattering pieces of it through the yard, then jumped to the house. Lightning damaged siding and knocked glass out of eight windows. The force of the surge caused light bulbs to explode, knocked out the telephone, and melted the fuse box. The lightning exited the home on the cold water pipe and caused it to burst, flooding the basement. Other damage: the exterior lead-in wire for the cable television service was knocked from its connection and sent halfway across the yard; all four phones, the stove vent, and the air conditioning unit were damaged; the glass front on a clock in the basement was blown off; plates hanging on the wall were knocked down; and a piece of linoleum in the downstairs was buckled.

### **Buchanan County Countywide**

<b>20</b>	<b>1600CST</b>								
<b>22</b>	<b>1600CST</b>				<b>0</b>	<b>0</b>			<b>Flood</b>

### **Cedar County Countywide**

<b>20</b>	<b>1600CST</b>								
<b>22</b>	<b>1600CST</b>				<b>0</b>	<b>0</b>			<b>Flood</b>

### **Clinton County Countywide**

<b>20</b>	<b>1600CST</b>								
<b>22</b>	<b>1600CST</b>				<b>0</b>	<b>0</b>			<b>Flood</b>

### **Delaware County Countywide**

<b>20</b>	<b>1600CST</b>								
<b>22</b>	<b>1600CST</b>				<b>0</b>	<b>0</b>			<b>Flood</b>

### **Des Moines County Countywide**

<b>20</b>	<b>1600CST</b>								
<b>22</b>	<b>1600CST</b>				<b>0</b>	<b>0</b>			<b>Flood</b>

### **Dubuque County Countywide**

<b>20</b>	<b>1600CST</b>								
<b>22</b>	<b>1600CST</b>				<b>0</b>	<b>0</b>			<b>Flood</b>

### **Henry County Countywide**

<b>20</b>	<b>1600CST</b>								
<b>22</b>	<b>1600CST</b>				<b>0</b>	<b>0</b>			<b>Flood</b>

### **Iowa County Countywide**

<b>20</b>	<b>1600CST</b>								
<b>22</b>	<b>1600CST</b>				<b>0</b>	<b>0</b>			<b>Flood</b>

### **Jackson County Countywide**

<b>20</b>	<b>1600CST</b>								
<b>22</b>	<b>1600CST</b>				<b>0</b>	<b>0</b>			<b>Flood</b>

### **Jefferson County Countywide**

<b>20</b>	<b>1600CST</b>								
<b>22</b>	<b>1600CST</b>				<b>0</b>	<b>0</b>			<b>Flood</b>

### **Johnson County Countywide**

<b>20</b>	<b>1600CST</b>								
<b>22</b>	<b>1600CST</b>				<b>0</b>	<b>0</b>			<b>Flood</b>

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>IOWA, East Central and Southeast</u></b>									
<b>Jones County</b>									
Countywide	20	1600CST			0	0			Flood
	22	1600CST							
<b>Keokuk County</b>									
Countywide	20	1600CST			0	0			Flood
	22	1600CST							
<b>Lee County</b>									
Countywide	20	1600CST			0	0			Flood
	22	1600CST							
<b>Linn County</b>									
Countywide	20	1600CST			0	0			Flood
	22	1600CST							
<b>Louisa County</b>									
Countywide	20	1600CST			0	0			Flood
	22	1600CST							
<b>Muscatine County</b>									
Countywide	20	1600CST			0	0			Flood
	22	1600CST							
<b>Scott County</b>									
Countywide	20	1600CST			0	0			Flood
	22	1600CST							
<b>Van Buren County</b>									
Countywide	20	1600CST			0	0			Flood
	22	1600CST							
<b>Washington County</b>									
Countywide	20	1600CST			0	0			Flood
	22	1600CST							

Heavy rains fell over the area while soils were still partially frozen. These one-to-three inch rains came as area rivers and streams were running high from snowmelt during the previous week. Numerous streams and rivers went out of their banks, leaving standing water in the area for several days.

## **IOWA, Northeast**

<b>IAZ008&gt;011-018&gt;019-029&gt;030</b>	<b>Mitchell - Howard - Winneshiek - Allamakee - Floyd - Chickasaw - Fayette - Clayton</b>								
		04	0000CST		0	0			Winter Storm
			1400CST						

8 to 12 inches of snow was accompanied by strong winds, which caused drifts of 2 to 4 feet.

## **IOWA, Northwest**

<b>IAZ001&gt;002-012&gt;014-020&gt;022-031&gt;032</b>	<b>Lyon - Osceola - Sioux - O'Brien - Clay - Plymouth - Cherokee - Buena Vista - Woodbury - Ida</b>								
		03	0800CST		0	0			Heavy Snow
		04	1200CST						

Snow accumulated 6 to 12 inches with 12 inches reported at Sioux City, Storm Lake, Newell, and west of Rock Rapids. The snow curtailed travel and closed schools for a day.

## **IOWA, Southwest**

<b>IAZ043-055&gt;056</b>	<b>Monona - Harrison - Shelby</b>								
		03	1000CST		0	0			Winter Storm
		04	0600CST						

A storm system moved across the central plains producing snowfall of six to ten inches.

<b>IAZ043-055&gt;056-069-079&gt;080-090&gt;091</b>	<b>Monona - Harrison - Shelby - Pottawattamie - Mills - Montgomery - Fremont - Page</b>								
		18	1800CST		0	0			Flood
		28	1200CST						

Mild temperatures melted snowcover in a short period allowing for a sudden runoff into streams and rivers which were still intact with thicker than normal ice. The runoff into the streams and rivers was sufficient to break up the ice. Ice jams formed at many locations causing flooding.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## IOWA, Southwest

The more significant flooding occurred along the Boyer river and was aggravated by ice jams at Woodbine downstream to below Logan where considerable agricultural lowlands caught the brunt of the overflows. State Highway 30 was closed for two days near Woodbine.

The Nishnabotna river flooded lowlands in Fremont county and entered the city park at Hancock for a brief time.

### **IAZ069-079>080-090>091 Pottawattamie - Mills - Montgomery - Fremont - Page**

26	1500CST				0	0			<b>Winter Storm</b>
27	0200CST								

A low pressure system moved from Oklahoma through Missouri and into Illinois. This combined with a strong upper level disturbance which moved out of the southwestern U.S. into the central plains to generate four to seven inches of snow.

## KANSAS, East

### **KSZ008>011-020>024-034>039-054 Republic - Washington - Marshall - Nemaha - Cloud - Clay - Riley - Pottawatomie - Jackson - Ottawa - Dickinson - Geary - Morris - Wabaunsee - Shawnee - Lyon**

06	1400CST				0	0	10K		<b>Heavy Snow</b>
07	1200CST								

Abilene in Dickinson County reported 6 inches with most other areas north and west of the Kansas Turnpike receiving 3 to 5 inches. Most of the snow accumulated on the 6th between noon and midnight. The snowstorm contributed to at least 40 mainly minor automobile accidents.

### **KSZ024-035>036-038>039-054>056-059 Jackson - Dickinson - Geary - Wabaunsee - Shawnee - Lyon - Osage - Franklin - Anderson**

21	1500CST				0	0			<b>Flood</b>
22	1800CST								

Rainfall totaling 1 to 2 inches on the 20th and 21st, with locally higher amounts between 3 and 4 inches, resulted in lowland flooding along several rivers and major streams.

### **KSZ008>010-020>021-034 Republic - Washington - Marshall - Cloud - Clay - Ottawa**

26	1000CST				0	0			<b>Heavy Snow</b>
27	0200CST								

Portions of North Central Kansas along and northwest of a line from Minneapolis to Washington received 4 to 6 inches. Some isolated 4 inch amounts also occurred further to the east in Northern Marshall County.

## KANSAS, Extreme Southeast

NONE REPORTED.

## KANSAS, North Central

### **KSZ005>007-017>019 Phillips - Smith - Jewell - Rooks - Osborne - Mitchell**

05	2100CST				0	0	0	0	<b>Winter Storm</b>
07	0400CST								

An upper level disturbance was responsible for a widespread snow of 2 to 4 inches across North Central Kansas. For some areas, this was the first "real" snow of the winter season.

### **KSZ005>007-017>019 Phillips - Smith - Jewell - Rooks - Osborne - Mitchell**

23	1200CST				0	0	0	0	<b>Winter Storm</b>
24	1000CST								

Snowfall during the afternoon and night of February 23 totaled some of the heaviest amounts of the winter season in North Central Kansas.

New snow amounts of 5 to 10 inches were tallied from Smith Center and Alton westward. Damar reported 12 inches of snow from the slow moving storm. Many schools were closed or started late the morning of February 24. Further east, near Mankato and Osborne, snow totals of 2 to 4 inches were common.

### **KSZ006>007-018>019 Smith - Jewell - Osborne - Mitchell**

26	0600CST				0	0	0	0	<b>Winter Storm</b>
	2300CST								

An area of snow moved north into North Central Kansas and remained nearly stationary through the early evening. By the time the storm passed, 3 to 5 inches of new snow was recorded at Osborne and Smith Center. In Jewell county, Burr Oak took top honors



# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>KENTUCKY, Central</u></b>									
<b>Boyle County</b> Countywide	03	0800EST 1200EST			0	0			Flash Flood
									2 to 3 inches of rain caused widespread flash flooding with several roads water covered and closed across the county.
<b>Boyle County</b> Countywide	03	0800EST 1200EST			0	0			Flash Flood
									2 to 3 inches of rain caused widespread flash flooding across the county with several water covered roads closed.
<b>Casey County</b> Countywide	03	0800EST 1200EST			0	0			Flash Flood
									2 to 3 inches of rain caused widespread flash flooding across the county.
<b>KYZ042</b>									<b>Bourbon</b>
	04	0700EST			0	0			Flood
	05	1500EST							Over 2 inches of rain fell on already saturated ground leading to minor flooding along Stoner Creek at Paris. The creek crested at 20.5 feet (flood stage is 18 feet) at 1 am est on February 5. Only a few county roads and agricultural bottomland were effected.
<b>KYZ043</b>									<b>Nicholas</b>
	04	2300EST			0	0			Flood
	05	2300EST							1 to 2 inches of rain fell on already saturated ground leading to minor flooding along the Licking River at Blue Licks Spring. The river crested at 26 feet (flood stage is 22 feet) at 7 am est on February 5. Only a few county roads and some agricultural bottomland were effected.
<b>KYZ061</b>									<b>Butler</b>
	05	0500EST			0	0			Flood
	07	2300EST							Over 2 inches of rain fell on already saturated ground causing minor flooding on the Green River at Woodbury and Rochester. At Woodberry, the river crested at 35.3 feet (flood stage is 33 feet) at 7 am est on February 6. At Rochester, the river crested at 18.8 feet (flood stage is 17 feet) at 7 am est on February 7. Only a few county roads and some agricultural bottomland was effected.
<b>KYZ045</b>									<b>Nelson</b>
	05	0600EST			0	0			Flood
	07	1300EST							Over 2 inches of rain on already saturated ground leading to minor flooding on the Rolling Fork of the Salt River at Boston. The river crested at 38.6 feet (flood stage is 35 feet) at 11 am est on February 6.
<b><u>KENTUCKY, Eastern</u></b>									
<b>Pulaski County</b> Somerset	21	1100EST			0	0	60K	0	Thunderstorm Wind
									Trees were blown down, and the roof of a tobacco warehouse was partially blown off.
<b>Jackson County</b> Gray Hawk	21	1150EST			0	0	3K	0	Thunderstorm Wind
									A shed was blown down.
<b>Leslie County</b> Lewis Creek	21	1215EST			0	0	10K	0	Thunderstorm Wind
									A trailer home was destroyed.
<b>Breathitt County</b> Jackson	21	1220EST			0	0	3K	0	Thunderstorm Wind
									A utility pole and power lines were downed.
<b>Harlan County</b> Ages	21	1230EST			2	0	10K	0	Thunderstorm Wind
									After strong winds and heavy rain a single large tree fell onto and crushed a car, killing two adults in the front seat. An infant in a child safety seat in the back seat of the car was not injured. The tree was on an embankment, and according to local residents had been leaning over the road for over 10 years. Witnesses reported half of the trees roots had been exposed for several years due to the eroding hillside. M48VE, F24VE
<b>Knott County</b> Hindman	21	1250EST			0	0	5K	0	Thunderstorm Wind
									Power lines were downed across the county.



# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b><u>LOUISIANA, Northeast</u></b>									
<b>Franklin Parish</b> Wisner	21	0045CST			0	0	1K		Thunderstorm Wind
			Two trees were blown down.						
<b>Catahoula Parish</b> Harrisonburg	21	0120CST			0	0	10K		Thunderstorm Wind
			Numerous trees were blown down. One tree fell on a mobile home.						
<b>Richland Parish</b> Delhi	21	0130CST			0	0	5K		Thunderstorm Wind
			Several trees and power lines were blown down.						
<b>Concordia Parish</b> Ferriday	21	0132CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
<b>Richland Parish</b> Delhi	26	1950CST			0	0			Thunderstorm Wind (G56)
<b>East Carroll Parish</b> Shelburn	26	2100CST			0	0			Hail (0.75)
<b><u>LOUISIANA, Northwest</u></b>									
<b>Caddo Parish</b> 15 SW Shreveport	12	1600CST			0	0			Flash Flood
			LA Highway 789 was closed due to nearly 2 feet of water across the highway.						
<b>Bossier Parish</b> Haughton	12	1600CST			0	0			Urban/Sml Stream Fld
			High water was reported in flood prone area which covered roadways leading into the community. Some water was reported in homes.						
<b>Sabine Parish</b> 2 W Many to Many	12	1700CST			0	0			Urban/Sml Stream Fld
			Bayou La Nana was out of its banks due to extreme runoff. Significant low land flooding resulted.						
<b>De Soto Parish</b> 4 S Logansport	20	2015CST			0	0			Thunderstorm Wind (G60)
			Several trees blown across Hwy 191.						
<b>Bossier Parish</b> Benton	20	2030CST			0	0			Thunderstorm Wind (G60)
<b>Webster Parish</b> Shongaloo	20	2105CST			0	0			Thunderstorm Wind (G65)
			Numerous trees and power lines.						
<b>Bossier Parish</b> 1 E Bossier City	20	2200CST			0	0			Flash Flood
			Severe flooding in the Tall Timbers community with water reported in several homes.						
<b>Caddo Parish</b> Shreveport	20	2200CST			0	0			Flash Flood
			Severe flooding reported in eastern sections of the city with water in numerous homes.						
<b>Bienville Parish</b> Taylor	20	2210CST			0	0			Thunderstorm Wind (G60)
<b>Bienville Parish</b> Arcadia	20	2215CST			0	0			Thunderstorm Wind (G60)
<b>Lincoln Parish</b> Dubach	20	2230CST			0	0			Thunderstorm Wind (G60)
<b>Claiborne Parish</b> Junction City	20	2235CST			0	0			Thunderstorm Wind (G60)
<b>Union Parish</b> 10 NW Farmerville	20	2240CST			0	0			Thunderstorm Wind (G60)
			Trees and power lines were down.						
<b>Ouachita Parish</b> Monroe	21	0010CST			0	0			Thunderstorm Wind (G60)

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>LOUISIANA, Southeast</b>									
<b>Terrebonne Parish</b>									
Houma	12	2300CST 2359CST			0	0			Urban/Sml Stream Fld
									City Police and the Sheriff's Office reported extensive street flooding and minor flooding of a few houses.
<b>St. Charles Parish</b>									
Hahnville	12 13	2330CST 0038CST			0	0			Urban/Sml Stream Fld
									The Sheriff's Office reported street flooding along Louisiana Highway 48 near Transamerica Road.
<b>Terrebonne Parish</b>									
Houma	12	2345CST			0	0	1K		Thunderstorm Wind
									The Sheriff's Office reported trees and signs were downed by thunderstorm winds.
<b>Lafourche Parish</b>									
Lockport	13	0009CST			0	0	3K		Thunderstorm Wind
									The Sheriff's Office reported 2 trees and power lines downed. Thunderstorm winds blew an awning off a business and shingles off several houses. A fence was downed and a utility shed was blown onto a street.
<b>Jefferson Parish</b>									
Kenner	13	0040CST			0	0			Lightning
									The Sheriff's Office reported that lightning damaged a transformer and several power lines were downed.
<b>Jefferson Parish</b>									
Metairie	13	0100CST 0200CST			0	0			Urban/Sml Stream Fld
									Heavy rain of 2 inches caused street flooding.
<b>St. Tammany Parish</b>									
Slidell	13	0100CST 0200CST			0	0			Urban/Sml Stream Fld
									Heavy rain of 2 inches caused street flooding.
<b>Orleans Parish</b>									
New Orleans	13	0110CST			0	0	0.50K		Thunderstorm Wind
									City Police reported a street light pole and several power lines were knocked down by thunderstorm wind gusts.
<b>Pointe Coupee Parish</b>									
Fordoche	21	0115CST			0	0	0.80K		Thunderstorm Wind
									The Office of Emergency Management reported 2 trees downed.
<b>Jefferson Parish</b>									
Metairie	21	0400CST 0600CST			0	0			Urban/Sml Stream Fld
									Two to three inches of rain fell in two hours causing extensive street flooding in several areas of eastern Jefferson Parish.
<b>Jefferson Parish</b>									
1.5 E River Ridge	21	0400CST			0	0			Lightning
									A lightning strike disabled a wastewater treatment plant for nearly 8 hours.
<b>Tangipahoa Parish</b>									
Roseland	21	0515CST			0	0			Thunderstorm Wind
									Thunderstorm winds downed several trees.
<b>St. Tammany Parish</b>									
Covington to Madisonville	21	0515CST 0530CST			0	0	10K	0	Thunderstorm Wind
									Sheriff's Office reported several trees were downed across the parish. One tree fell on an automobile on Smith Road. At Madisonville, a 200 foot utility pole was knocked down by wind gusts. The power company was in the process of re-routing the transmission lines at the time of storm with the area under construction.
<b>Washington Parish</b>									
Bogalusa	21	0537CST			0	0			Thunderstorm Wind
									Trees and power lines were downed in Bogalusa and several other locations parish wide.
<b>Tangipahoa Parish</b>									
Holton	25	0900CST 1900CST			0	0			Urban/Sml Stream Fld
									Approximately 25 miles of roads, around rivers and low lying areas near rivers, were flooded after heavy rain.

# Storm Data and Unusual Weather Phenomena

February 1997

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

### **Beauregard Parish**

<b>Dry Creek</b>	<b>20</b>	<b>2300CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>		<b>Thunderstorm Wind</b>
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A severe thunderstorm knocked many trees down, and blew the roof off the police jury maintenance building east of DeRidder. The hardest hit area in the parish was around Dry Creek, where school was cancelled because power lines were still down later in the day.

### **Rapides Parish**

<b>Pineville</b>	<b>21</b>	<b>0010CST</b>			<b>0</b>	<b>0</b>	<b>50K</b>		<b>Thunderstorm Wind</b>
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A line of severe thunderstorms passed through Rapides Parish, causing widespread damage in Pineville. The Tioga Junior High School had the roof ripped off the gymnasium, and Louisiana College had nine trees blown down across the campus.

### **Acadia Parish**

<b>1 S Crowley</b>	<b>21</b>	<b>0027CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>		<b>Thunderstorm Wind</b>
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A severe thunderstorm blew across Acadia Parish, resulting in moderate to severe damage to four mobile homes just south of Crowley. Two trailers had their roofs blown off, while two other trailers were moved off their blocks.

### **Evangeline Parish**

<b>Ville Platte</b>	<b>21</b>	<b>0030CST</b>			<b>0</b>	<b>0</b>	<b>40K</b>		<b>Thunderstorm Wind</b>
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Severe storms passed through Evangeline Parish, ripping the roof off a doctor's office in Ville Platte.

### **St. Landry Parish**

<b>Eunice</b>	<b>21</b>	<b>0050CST</b>			<b>0</b>	<b>0</b>	<b>30K</b>		<b>Thunderstorm Wind</b>
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Widespread damage occurred across Eunice in St. Landry Parish during this severe thunderstorm. Three homes (two of them were mobile homes) received damage, with either trees blown down on them or roofs peeled off. One 19 year old woman was killed, indirectly attributed to the storm. Her car slid off a wet road, and tipped over with the driver's side window face down in a ditch filled with water. This occurred three hours after the severe thunderstorm had passed through the area.

### **Avoyelles Parish**

<b>Simmesport</b>	<b>21</b>	<b>0100CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>		<b>Thunderstorm Wind</b>
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Severe thunderstorms blew many trees down and caused roof shingles to be blown off several homes in Simmesport.

### **Rapides Parish**

<b>Alexandria</b>	<b>25</b>	<b>1200CST 2000CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>		<b>Urban/Sml Stream Fld</b>
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Within a week of each other, two storms produced widespread rains of eight to ten inches across the Alexandria area. Flooding of some urban areas occurred during the week of February 24th to 28th. Low drainage spots such as Horseshoe Drive were the worst hit areas.

## MAINE

### **MEZ012>013-019>020**

#### **Southern Oxford - Southern Franklin - Interior Cumberland - Androscoggin**

<b>05</b>	<b>0300EST 1700EST</b>		<b>0</b>	<b>0</b>		<b>Winter Storm</b>
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A low pressure system moving through the upper Mississippi Valley to the Great Lakes and a developing low off the New England coast caused a mixture of winter precipitation throughout the state. Snowfall amounts ranged from about 6 to 8 inches across most of northern and western Maine to as much as 12 inches in interior sections of southwestern Maine. Along coastal areas and in southeastern Maine, the snow changed to freezing rain causing numerous accidents.

### **MEZ001>002**

#### **Northwest Aroostook - Northeast Aroostook**

<b>22</b>	<b>0600EST 1800EST</b>		<b>0</b>	<b>0</b>		<b>Winter Storm</b>
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Low pressure moving northeastward from the Great Lakes through western New England brought a very unusual mixture of February weather to northern Maine. Snow, sleet, freezing rain, drizzle, fog, thunderstorms, and hail were all reported. In extreme northwestern Maine, up to 15 inches of thunder-snow fell at Escourt with 8.2 inches reported in Caribou.

### **Oxford County**

<b>Oxford</b>	<b>22</b>	<b>1430EST</b>			<b>0</b>	<b>3</b>		<b>Lightning</b>
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Powerful lightning from rare wintertime thunderstorms caused considerable damage and injured three people in the Oxford Hills area of Oxford County. In one small area around two neighboring homes, the lightning struck at least five locations. The lightning destroyed the electrical and phone systems of both homes, damaged a chimney, and broke numerous windows. One home had an estimated \$70,000 in damages. The lightning travelled from one of the trees to an underground cable which exploded, causing a ditch 75 feet long and up to 2 feet deep and up to 4 feet wide in the frozen ground. The lightning also killed a dog that was chained to a different tree that was struck in one of the yards. In separate areas of Oxford, three people were injured and taken to a local hospital. In one case, a man was washing a lumber truck when he was struck. In a second case, a man was injured while working inside a garage when lightning struck nearby. A third person was injured doing laundry in her basement when the electrical charge from a nearby lightning stroke came through her electrical system.

### **Piscataquis County**

<b>Greenville</b>	<b>22</b>	<b>1500EST</b>			<b>0</b>	<b>7</b>		<b>Lightning</b>
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Very rare wintertime thunderstorms with powerful lightning struck the Moosehead Lake area, as well as much of northern and western Maine. Numerous positive strokes of lightning occurred. One stroke hit an tall pine tree on an island in the Lake,

# Storm Data and Unusual Weather Phenomena

February 1997

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

## MAINE

following the tree to the ground, and blasted a 4 ft by 4 ft hole in the granite. Shattered rocks weighing over 100 lbs were found 75 yards out on the ice with smaller rocks out 200 yards. Seven ice fisherman about a quarter mile away were affected by the electrical discharge. One person was reportedly thrown five feet into the air as a side finger of the lightning struck the snow mobile sled he was riding in. Three were taken to a nearby hospital for treatment, while four others felt tingling and/or experienced severe headaches. About 2 miles from the lightning stroke, snow mobile races were being held on the southern end of the lake. Although no one sensed any electrical current from the lightning discharge, the RADAR gun used to measure spreads and the helmet microphones/earphones went dead. The racers did, however, report hearing a frying sound their earphones before the lightning struck and the earphones went dead.

## MARYLAND, Central

**MDZ002>007-009>011-013>014-016>018**     **Allegheny - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert**

<b>08</b>	<b>1300EST 2000EST</b>	<b>0</b>	<b>0</b>	<b>10K</b>	<b>Heavy Snow</b>
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A winter storm dumped 4 to 8 inches of heavy, wet snow across all of central and northern Maryland on the 8th. Highest totals were observed in the northern and western suburbs of Washington and Baltimore, as well as in Allegheny Co above 2000 feet. Antecedent warm weather, combined with air temperatures at or just above freezing during the event, allowed roads to remain generally wet. However, icy spots developed late that afternoon and evening as temperatures fell well below freezing. The snow, which clung to everything, was aesthetically pleasing. However, the weight of the snow snapped numerous tree limbs and knocked others onto utility lines. At the peak of the storm, over 2000 Maryland and District PEPCO customers in the Washington metropolitan region were without electricity. Otherwise, public impact was minimal since the storm occurred on a Saturday.

The storm resulted from the interaction of the subtropical jet stream, which provided a strong energy impulse to aid in lifting relatively warm humid air, with the polar jet stream, which provided enough low-level cold air to maintain wet snow rather than rain.

**MDZ002>007-009>011**     **Allegheny - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore**

<b>13</b>	<b>2200EST</b>	<b>0</b>	<b>0</b>		<b>Winter Weather</b>
<b>14</b>	<b>0900EST</b>				

A fast-moving upper level disturbance dropped a quick 1 to 2 inches of snow, with spots over extreme western Allegheny Co (MDZ002) receiving 3 inches. The snow was followed by a brief period of freezing rain and drizzle, causing numerous slippery roads during the early morning commute on the 14th. The ice accretion was 1/8 inch or less; no damage to trees or lines was reported. Traffic accidents were reduced since many school districts were closed and other residents took the day (a Valentine's Day Friday) off.

**MDZ002>005**     **Allegheny - Washington - Frederick - Carroll**

<b>27</b>	<b>1300EST 1600EST</b>	<b>0</b>	<b>0</b>	<b>15K</b>	<b>Gusty Winds</b>
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Southerly wind gusts between 45 and 52 mph caused sporadic damage across portions of the northern tier of Maryland. In Hagerstown (MDZ003), a rubber and particle board roof was lifted from an apartment building; the heavier asphalt roof underneath was unharmed. Six small brush fires were ignited by the winds in northern Maryland and eastern West Virginia. The warm winds pushed maximum temperatures into the lower 80s, setting records for the date.

**MDZ014**

**Anne Arundel**

<b>27</b>	<b>1300EST 1530EST</b>	<b>0</b>	<b>0</b>	<b>15K</b>	<b>High Wind (G52)</b>
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Southerly winds, gusting to approximately 60 mph, caused scattered minor to moderate damage at residences in Pasadena, Maryland, during the mid to late afternoon. Several homes sustained exterior damage, including stripped siding, gutters, and shutters. Scattered trees and large limbs were also downed.

At a "yacht yard" in "Annapolis, gusty winds blew one large boat off its stand, causing a domino effect which damaged three nearby boats. A catamaran was flipped near the mouth of the Magothy River when a mast broke. The two men on board were uninjured. Estimated wind gusts were 45 mph. Baltimore Gas and Electric reported just over 2000 customers without power during the afternoon.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## MARYLAND, Northeast

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

<b>08</b>	<b>0500EST</b>				<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>2100EST</b>								

The heaviest snow of the winter season for most of the Maryland Eastern Shore fell throughout the day on the 8th. Snow started just before sunrise on the 8th and fell at a fairly steady clip throughout the day. The snow ended during the evening hours. Accumulations were fairly uniform and averaged 4 to 6 inches across the Eastern Shore. The highest accumulations were associated with a band of heavier snow that passed over Queen Anne's County and northern parts of Talbot and Caroline Counties. Since this snow fell on a Saturday, the number of accidents was reduced.

The low pressure system responsible for the heavy snow initially formed in the western Gulf of Mexico on the 7th. By the morning of the 8th, there were three separate centers, over Georgia, western North Carolina and near Cape Hatteras. These combined into one by the afternoon of the 8th. The low though moved fairly quickly out to sea. By 7 a.m. EST on the 9th, it was already about 525 miles eastnortheast of Salisbury. While its storm track placed the band of heaviest snow across Delmarva and Southern New Jersey, its fast movement prevented heavier accumulations from occurring.

**MDZ008**

**Cecil**

<b>13</b>	<b>2300EST</b>				<b>0</b>	<b>0</b>			<b>Wintry Mix</b>
<b>14</b>	<b>0400EST</b>								

A high pressure system brought in a relatively cold and dry air mass into the Northeast on the 12th and 13th. Then a low pressure system travelled along the Eastern Seaboard and dropped a wintry mix of snow and freezing rain in Cecil County prior to dawn on the 14th. Precipitation started as snow in northern areas of the Maryland Eastern Shore the night of the 13th/morning of the 14th. South winds above the ground brought in relatively warmer air and changed the snow to freezing rain by 3 a.m. EST. East winds near the surface then brought in warmer air and helped change the freezing rain to just plain rain by 5 a.m. As is typically the case, the change to plain rain took the longest in the some of the hillier terrain of northern Cecil County. Little if any freezing or frozen precipitation fell farther south along the Maryland Eastern Shore. Driving on untreated roadways overnight was hazardous. Snowfall totals prior to the changeover were generally less than one inch.

The low pressure system responsible for the wintry mix developed over northern Mexico on the 12th. It moved along southern parts of the Gulf Coast States on the 13th before moving quickly up the Eastern Seaboard the night of the 13th through the night of the 14th. The low went from Savannah, Georgia at 7 p.m EST on the 13th to Portland, Maine at 7 p.m. EST on the 14th. The fast movement kept precipitation totals down. Conversely since it was a relatively weak low pressure system, the winds were light and this kept cold air trapped in some of the valleys in northern Cecil County and prolonged the changeover to plain rain.

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

<b>19</b>	<b>1100EST</b>				<b>0</b>	<b>0</b>			<b>Unseasonably Warm</b>
<b>22</b>	<b>1700EST</b>								

A persistent west to southwest flow at all levels of the atmosphere brought unseasonably warm weather into the Northeast from the afternoon of the 19th through the 22nd. This warm spell ended rather abruptly with a strong cold frontal passage on the 22nd. The warmest temperatures reached into the lower and mid 70s and these included 74 degrees in Salisbury on the 21st and 70 degrees at the Baltimore/Washington International Airport on the 21st and 22nd.

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

<b>26</b>	<b>1200EST</b>				<b>0</b>	<b>0</b>			<b>Unseasonably Warm</b>
<b>28</b>	<b>2359EST</b>								

For the second time this month a persistent west to southwest flow of air throughout the Eastern United States brought unseasonably warm air into the Maryland Eastern Shore from the afternoon of the 26th through March 2nd. The warmest day through this spring preview was February 27th as many new record high temperatures were set. A series of cold fronts, one early on the 28th and a stronger second one on March 2nd brought temperatures closer to seasonal levels. Warmest readings from around Maryland included 78 degrees in Salisbury and 76 degrees at the Baltimore-Washington International Airport.

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

<b>28</b>	<b>2359EST</b>				<b>0</b>	<b>0</b>			<b>Unseasonably Warm</b>
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February 1997 was an unseasonably warm month throughout the Middle Atlantic States. While it was not the warmest February on record, it averaged around 6 degrees above normal and made most stations top ten warmest lists.

## MARYLAND, South

**MDZ021>025 Dorchester - Wicomico - Somerset - Inland Worcester - Maryland Beaches**

<b>08</b>	<b>0800EST</b>				<b>0</b>	<b>0</b>			<b>Winter Storm</b>
<b>09</b>	<b>0100EST</b>								

Low pressure tracked from the Gulf Coast States to off the North Carolina coast during Friday, February 7th and Saturday, February 8th. It spread 1.5 to 2 inches of snow across Somerset, Wicomico, and Worcester counties. While across Dorchester county, 3 to 4.5 inches of snow accumulated.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## MARYLAND, West

**MDZ001**

**Garrett**

**13 2000EST**

**0 0**

**Ice Storm**

**14 0600EST**

A winter storm moved northeast across western Pennsylvania and brought a wintry mix of precipitation to Garrett County, Maryland, with highest amounts in the higher elevations. A total 4 inches of sleet and snow with about 0.25 inches of accumulated freezing rain was reported at Keyser's Ridge. Oakland reported 0.25 inches of ice also, but only 2 inches of sleet and snow.

**MDZ001**

**Garrett**

**27 1200EST**

**0 0**

**3K**

**High Wind**

**1500EST**

A strong, fast moving cold front with strong winds ahead and behind it, moved through the western panhandle of Maryland and downed some utility lines in the county and fanned some brush fires near Oakland.

## MASSACHUSETTS, Central and East

**MAZ007-019>024**

**Eastern Essex - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket**

**16 2100EST**

**0 0**

**Heavy Snow**

**17 1200EST**

**MAZ019>024**

**Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket**

**17 0400EST**

**0 0**

**Strong Wind**

**1200EST**

A "clipper-like" low pressure system moved rapidly eastward from south of the Great Lakes, passing south of Long Island and Cape Cod. It spread a band of moderate snow across the area. Snowfalls of 6 to 7 inches fell across Cape Cod and the Islands. The maximum snowfall reported was 7.5 inches at both Orleans and Harwich. Nearby Chatham had 6 inches and Carver, in southern Plymouth County, reported 6.3 inches.

In addition, strong northeast and north winds gusting to 30 to 40 mph caused blowing and drifting snow. North of Boston, Manchester-by-the-Sea on Cape Ann had 6 inches. There were no particular problems reported as a result of this storm.

**MAZ021>024**

**Southern Plymouth - Barnstable - Dukes - Nantucket**

**18 1200EST**

**0 0**

**Strong Wind**

**2000EST**

Strong southwest winds frequently gusting to 35 to 45 mph were reported from Cape Cod and the Islands and also around the coast of Buzzards Bay. A peak gust to 56 mph was reported at Otis Air Force Base in Falmouth. Some other peak gusts reported by spotters included: Brewster, 50 mph; South Orleans, 46 mph; Dennis and Chatham, 45 mph; Mattapoisett, 42 mph; and Edgartown on Martha's Vineyard, 35 mph.

**MAZ010>011-016-016**

**Eastern Hampshire - Eastern Hampden - Eastern Norfolk**

**19 2130EST**

**0 0**

**1.5K**

**High Wind (G56)**

**20 0400EST**

Strong and gusty west to northwest winds in the wake of a cold front caused scattered property damage in parts of the state. A peak wind gust to 58 mph was recorded at the Blue Hill Observatory in Milton at 9:53 PM on February 19th and winds were reported gusting over 40 mph at Winthrop beginning around 10 PM. The highest wind gust reported was 64 mph in Springfield during the early morning hours of February 20th. About 1,700 electric customers lost power in Northampton when a falling tree knocked down power lines. Other smaller power outages affected parts of surrounding towns. In downtown Springfield, a traffic signal was blown off its mast. Many tree limbs were reported blown down in Holyoke. A store window was reported blown out in Florence, in the northwest part of Northampton. In the Boston area, a peak wind gust to 57 mph was reported from Winthrop at 1:38 AM while a gust to 61 mph was recorded at the Blue Hill Observatory in Milton at 2:10 AM. There were a few reports of minor property damage.

**MAZ016**

**Eastern Norfolk**

**21 1958EST**

**0 0**

**High Wind (G52)**

A peak wind gust to 60 mph from the southwest was recorded at the Blue Hill Observatory in Milton, elevation 670 feet above sea level.

**Hampden County**

**Westfield to  
Holyoke**

**22 1400EST**

**0 0**

**Thunderstorm Wind (G83)**

**1408EST**

A peak wind gust to approximately 60 mph was reported in Westfield and wires were knocked down in Holyoke during a severe thunderstorm. A peak wind gust to 96 mph was recorded by a research wind turbine atop Mount Tom.

**Hampshire County**

**Northampton**

**22 1400EST**

**0 0**

**Thunderstorm Wind (G52)**

A peak wind gust to 60 mph was reported in Northampton.

# Storm Data and Unusual Weather Phenomena

February 1997

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

### **Worcester County**

<b>Hardwick to Barre</b>	22	1420EST 1430EST			0	0			<b>Thunderstorm Wind (G52)</b> A severe thunderstorm brought a peak wind gust to 60 mph at Barre at 2:20 PM and trees and wires were reported down in Hardwick between 2:22 PM and 2:30 PM.
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### **Worcester County**

<b>Fitchburg</b>	22	1434EST			0	0			<b>Thunderstorm Wind (G54)</b> A peak wind gust to 62 mph was recorded by the automated weather station at Fitchburg during a severe thunderstorm. Quite a few power lines were reported down throughout the city of Fitchburg, but power outages were brief.
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### **Middlesex County**

<b>Shirley</b>	22	1440EST			0	0			<b>Thunderstorm Wind (G52)</b> A gust to 60 mph was reported in Shirley.
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### **Worcester County**

<b>Princeton</b>	22	1452EST			0	0			<b>Thunderstorm Wind (G50)</b> Trees and wires were reported down in Princeton.
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### **MAZ015**

#### **Suffolk**

22	1458EST			0	0			<b>Record Warmth</b> The temperature at Boston's Logan International Airport reached 66 degrees, setting a record for the date. The old record was 63 degrees in 1990.
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### **Middlesex County**

<b>Dracut</b>	22	1500EST			0	0			<b>Thunderstorm Wind (G50)</b> Trees and wires were reported blown down and a chimney was knocked down in Dracut at approximately 3:00 PM.
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### **MAZ016**

#### **Eastern Norfolk**

22	1854EST			0	0			<b>Strong Wind</b> Strong west-northwest winds in the wake of a strong cold front brought a peak wind gust to 56 mph at the Blue Hill Observatory in Milton. Unseasonably warm temperatures reached near record levels for February. A high reading of 72 degrees was recorded in downtown Springfield at 12:24 PM. A rare out-of-season outbreak of thunderstorms, some severe, moved east-northeast across western and central Massachusetts by mid-afternoon. A total of 2,500 electric customers lost power in the western part of the state. Most of the outages were brief.
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## MASSACHUSETTS, West

NONE REPORTED.

## MICHIGAN, East

### **MIZ076**

#### **Wayne**

21	0100EST			0	0			<b>Flood</b> The Middle Rouge River at Garden City went above its 7.0 foot flood stage at 1 am on the 21st. The river crested at 8.8 feet at 2 am on the 22d, and fell back below flood stage at noon EST on the 23rd.
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### **MIZ070**

#### **Macomb**

21	0500EST 1000EST			0	0			<b>Flood</b> The Clinton river at Fraser went above its 16.0 foot flood stage at 5 am EST on the 21st. The river crested at 16.1 feet at 6 am EST on the 21st and fell back below flood stage at 10 am EST on the 21st.
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### **MIZ075**

#### **Washtenaw**

21	0600EST			0	0			<b>Flood</b> The Saline River at Saline went above its 10.0 foot flood stage at 6 am EST on the 21st. The river crested at 12.6 feet at 6 pm EST on the 21st, and fell back below flood stage at 10 am EST
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# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Estimated Damage	Character of Storm
					Killed	Injured	Property    Crops
<b><u>MICHIGAN, East</u></b>							
							on the 23rd.
<b>MIZ061</b>		<b>Genesee</b>					
	21	0600EST			0	0	<b>Flood</b>
	24	1100EST					
							The Kearsley Creek near Davison went above its 8.0 foot flood stage at 6 am EST on the 21st. The river crested at 10.5 feet at 3 am EST on the 22d, and fell back below flood stage at 11 am EST on the 24th.
<b>MIZ053</b>		<b>Saginaw</b>					
	21	0900EST			0	0	<b>Flood</b>
	25	0900EST					
							The Cass River at Frankenmuth went above its 17.0 foot flood stage at 9 am EST on the 21st. The river crested at 23.6 feet at 6 pm on the 22d, and fell below flood stage at 9 am EST on the 25th.
<b>MIZ060</b>		<b>Shiawassee</b>					
	21	1000EST			0	0	<b>Flood</b>
	22	1700EST					
							The Shiawassee River at Owosso went above its 7.0 foot flood stage at 10 am EST on the 21st. The river crested at 8.0 feet at 2 am EST on the 22d, and fell back below flood stage at 5 pm EST on the 22d.
<b>Bay County Countywide</b>	21	1200EST 2000EST			0	0	<b>Flash Flood</b>
<b>Midland County Countywide</b>	21	1200EST 2000EST			0	0	<b>Flash Flood</b>
<b>Saginaw County Countywide</b>	21	1200EST 2000EST			0	0	<b>50K Flash Flood</b>
<b>Tuscola County Countywide</b>	21	1200EST 2000EST			0	0	<b>50K Flash Flood</b>
<b>Huron County Countywide</b>	21	1200EST 2000EST			0	0	<b>50K Flash Flood</b>
<b>Sanilac County Countywide</b>	21	1200EST 2000EST			0	0	<b>Flash Flood</b>
<b>MIZ082</b>		<b>Lenawee</b>					
	21	1300EST			0	0	<b>Flood</b>
	25	0900EST					
							The River Raisin at Tecumseh went above its 9.0 foot flood stage at 1 pm EST on the 21st. The river crested at 10.0 feet at 6 am EST on the 22d, and fell below flood stage at 9 am EST on the 25th.
<b>MIZ076</b>		<b>Wayne</b>					
	21	1400EST			0	0	<b>Flood</b>
	22	0100EST					
							The Lower Rouge River at Inkster went above its 10.0 foot flood stage at 2 pm EST on the 21st. The river crested at 10.1 feet at 3 pm EST on the 21st, and fell back below flood stage at 1 am EST on the 22d.
<b>MIZ076</b>		<b>Wayne</b>					
	21	1700EST			0	0	<b>Flood</b>
	22	0200EST					

# Storm Data and Unusual Weather Phenomena

February 1997

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

## MICHIGAN, East

The Rouge River at Detroit went above its 15.0 foot flood stage at 5 pm EST on the 21st. The river crested at 15.2 feet at 9 pm EST on the 21st, and fell back below flood stage at 2 am EST on the 22d.

**MIZ054**

**Tuscola**

21	1700EST				0	0			<b>Flood</b>
23	0100EST								

The Cass River at Cass City went above its 14.0 foot flood stage at 5 pm EST on the 21st. The river crested at 15.6 feet at 3 am EST on the 22d, and fell back below flood stage at 1 am EST on the 23rd.

**MIZ049**

**Huron**

21	2000EST				0	0			<b>Flood</b>
23	2000EST								

**MIZ054**

**Tuscola**

21	2100EST				0	0	25K		<b>Flood</b>
24	0600EST								

The Cass River at Vassar went above its 14.0 foot flood stage at 9 pm on the 21st. The river crested at 18.2 feet at 6 pm EST on the 22d, and fell back below flood stage at 6 am EST on the 24th.

**MIZ082**

**Lenawee**

22	0200EST				0	0			<b>Flood</b>
24	2100EST								

The River Raisin at Adrian went above its 11.0 foot flood stage at 2 am EST on the 22d. The river crested at 12.7 feet at 3 pm EST on the 23rd, and fell back below flood stage at 9 pm EST on the 24th.

**MIZ053**

**Saginaw**

22	1600EST				0	0			<b>Flood</b>
26	1100EST								

The Saginaw River at Saginaw went above its 19.0 foot flood stage at 4 pm EST on the 22d. The river crested at 20.7 feet at 1 am EST on the 23rd, and fell back below flood stage at 11 am EST on the 26th.

Low pressure tracked from Missouri northeast across southern lower Michigan on the 21st. The combination of heavy rain, melting snow and frozen ground produced widespread flooding. Precipitation amounts from late on the 20th through late on the 21st ranged from 1 to 2 inches from the Flint area south through Detroit to the Ohio state-line. Farther north, precipitation amounts of 2 to over 3 inches occurred from the Saginaw Valley to the Thumb region. Some of the highest totals included 3.10 inches at Saginaw, 2.88 inches at Vassar and 2.83 inches at Saint Charles and Essexville. The rain changed to snow before ending north of Detroit, with 3 to 6 inches accumulating across the Saginaw Valley and the northern part of the Thumb.

Some of the heaviest damage from the flood occurred in northern and western Huron county. In the village of Sebewaing, the Sebewaing river overflowed its banks on the 22d and 23rd, causing the evacuation of residents in the Pitcher Subdivision. Also, the Bay Shore summer camp ground was heavily damaged, with estimated losses of several thousand dollars. In Caseville, 20 homeowners were evacuated early on the 23rd. In Vassar, the Cass river was above flood stage from late on the 21st through early on the 24th, submerging part of the downtown area. Widespread damage to roads was reported throughout the Saginaw Valley and northern Thumb areas on the 21st.

**MIZ076**

**Wayne**

27	0100EST				0	0			<b>Flood</b>
28	1800EST								

The Middle Rouge River at Garden City went above its 7.0 foot flood stage at 1 am EST on the 27th. The river crested at 8.1 feet at 11 pm EST on the 27th, and fell back below flood stage at 6 pm EST on the 28th.

**MIZ061**

**Genesee**

27	0800EST				0	0			<b>Flood</b>
28	1800EST								

The Kearsley Creek at Davison went above its 8.0 foot flood stage at 8 am EST on the 27th. The river crested at 9.1 feet at 11 pm

# Storm Data and Unusual Weather Phenomena

February 1997

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

EST on the 27th, then fell back below flood stage at 6 pm EST on the 28th.

**MIZ047>049-053>055-060>063-068>070-075>076-082>083** - **Midland - Bay - Huron - Saginaw - Tuscola - Sanilac - Shiawassee - Genesee - Lapeer - St. Clair - Livingston - Oakland - Macomb - Washtenaw - Wayne - Lenawee - Monroe**

27	0800EST 1500EST				0	0	20K		High Wind (G55)
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Strong winds developed during the morning of the 27th in the wake of low pressure tracking off to the east. Peak winds reached 59 mph at Detroit's metro airport. Large trees were toppled in Monroe county, and scaffolding crashed down onto two parked cars in downtown Port Huron, in Saint Clair county. In Oakland county, 4500 Detroit Edison customers reported power outages, as tree branches and power lines were knocked down by the winds.

**MIZ082**

**Lenawee**

27	1100EST				0	0			Flood
04	0900EST								

The Raisin River at Tecumseh went above its 9.0 foot flood stage at 1100 am EST on the 27th. The river crested at 9.7 feet at 10 am EST on March 2, and fell back below flood stage at 9 am EST March 4th.

**MIZ070**

**Macomb**

27	1300EST				0	0			Flood
28	1200EST								

The Clinton river near Fraser went above its 16.0 foot flood stage at 1 pm EST on the 27th. The river crested at 17.0 feet at 10 am on the 28th, then fell back below flood stage at noon EST on the 28th.

**MIZ075**

**Washtenaw**

27	1600EST				0	0			Flood
28	2100EST								

The Saline River at Saline went above its 10.0 foot flood stage at 4 pm EST on the 27th. The river crested at 10.7 feet at noon EST on the 28th, and fell back below flood stage at 9 pm EST on the 28th.

**MIZ082**

**Lenawee**

27	1800EST				0	0			Flood
02	0500EST								

The Raisin River near Adrian went above its 11.0 foot flood stage at 6 pm EST on the 27th. The river crested at 11.9 feet at 11 pm EST on the 28th, and fell back below flood stage at 5 am EST on March 2d.

**MIZ076**

**Wayne**

27	2000EST				0	0			Flood
28	1100EST								

The Lower Rouge River at Inkster went above its 10 foot flood stage at 8 pm EST on the 27th. The river crested at 11.0 feet at 2 am EST on the 28th, then fell back below flood stage at 11 am EST on the 28th.

**MIZ061**

**Genesee**

27	2100EST				0	0			Flood
28	0400EST								

The Flint river at Flint reached its 11.0 foot flood stage at 9 pm EST on the 27th. The river remained at 11.0 feet until 4 am EST on the 28th, before falling back below flood stage.

**MIZ060**

**Shiawassee**

27	2300EST				0	0			Flood
28	0400EST								

The Shiawassee River at Owosso went above its 7.0 foot flood stage at 11 pm EST on the 27th. The river remained at 7.0 feet until 4 am EST on the 28th, before falling back below

# Storm Data and Unusual Weather Phenomena

February 1997

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

## MICHIGAN, East

flood stage.

Rain developed during the afternoon on the 26th and continued through the morning on the 27th as low pressure tracked northeast from the central plains across central Michigan. Rainfall amounts ranged from 1.00 to 1.50 inches from the Detroit area south to the Ohio state-line. The ground was already saturated and rivers were running near bankfull from heavy rains just a few days previously. As a result, some river flooding occurred.

## MICHIGAN, Extreme Southwest

NONE REPORTED.

## MICHIGAN, North

**MIZ015**

**Mackinac**

<b>04</b>	<b>1500EST</b>				<b>0</b>	<b>0</b>			<b>Winter Storm</b>
<b>05</b>	<b>0500EST</b>								

LOW PRESSURE TRACKING ACROSS NORTHERN LOWER MICHIGAN BROUGHT LOCALLY HEAVY SNOWS TO THE REGION. THUNDERSNOW ACCOMPANIED THE SYSTEM AND BRIEFLY PRODUCED SNOWFALL RATES OF 2 TO 3 INCHES PER HOUR. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 12 INCHES.

**MIZ016**

**Emmet**

<b>04</b>	<b>1500EST</b>				<b>0</b>	<b>0</b>			<b>Winter Storm</b>
<b>05</b>	<b>0500EST</b>								

LOW PRESSURE TRACKING ACROSS NORTHERN LOWER MICHIGAN BROUGHT LOCALLY HEAVY SNOWS TO THE REGION. THUNDERSNOW ACCOMPANIED THE SYSTEM AND BRIEFLY PRODUCED SNOWFALL RATES OF 2 TO 3 INCHES PER HOUR. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 10 TO 14 INCHES.

**MIZ017**

**Cheboygan**

<b>04</b>	<b>1500EST</b>				<b>0</b>	<b>0</b>			<b>Winter Storm</b>
<b>05</b>	<b>0500EST</b>								

LOW PRESSURE TRACKING ACROSS NORTHERN LOWER MICHIGAN BROUGHT LOCALLY HEAVY SNOWS TO THE REGION. THUNDERSNOW ACCOMPANIED THE SYSTEM AND BRIEFLY PRODUCED SNOWFALL RATES OF 2 TO 3 INCHES PER HOUR. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 10 INCHES.

**MIZ019**

**Charlevoix**

<b>04</b>	<b>1500EST</b>				<b>0</b>	<b>0</b>			<b>Winter Storm</b>
<b>05</b>	<b>0500EST</b>								

LOW PRESSURE TRACKING ACROSS NORTHERN LOWER MICHIGAN BROUGHT LOCALLY HEAVY SNOWS TO THE REGION. THUNDERSNOW ACCOMPANIED THE SYSTEM AND BRIEFLY PRODUCED SNOWFALL RATES OF 2 TO 3 INCHES PER HOUR. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 12 INCHES.

**MIZ020**

**Leelanau**

<b>04</b>	<b>1500EST</b>				<b>0</b>	<b>0</b>			<b>Winter Storm</b>
<b>05</b>	<b>0500EST</b>								

LOW PRESSURE TRACKING ACROSS NORTHERN LOWER MICHIGAN BROUGHT LOCALLY HEAVY SNOWS TO THE REGION. THUNDERSNOW ACCOMPANIED THE SYSTEM AND BRIEFLY PRODUCED SNOWFALL RATES OF 2 TO 3 INCHES PER HOUR. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.

**MIZ021**

**Antrim**

<b>04</b>	<b>1500EST</b>				<b>0</b>	<b>0</b>			<b>Winter Storm</b>
<b>05</b>	<b>0500EST</b>								

LOW PRESSURE TRACKING ACROSS NORTHERN LOWER MICHIGAN BROUGHT LOCALLY HEAVY SNOWS TO THE REGION. THUNDERSNOW ACCOMPANIED THE SYSTEM AND BRIEFLY PRODUCED SNOWFALL RATES OF 2 TO 3 INCHES PER HOUR. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.

**MIZ022**

**Otsego**

<b>04</b>	<b>1500EST</b>				<b>0</b>	<b>0</b>			<b>Winter Storm</b>
<b>05</b>	<b>0500EST</b>								

LOW PRESSURE TRACKING ACROSS NORTHERN LOWER MICHIGAN BROUGHT LOCALLY HEAVY SNOWS TO THE REGION. THUNDERSNOW ACCOMPANIED THE SYSTEM AND BRIEFLY PRODUCED SNOWFALL RATES OF 2 TO 3 INCHES PER HOUR. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Estimated Damage	Property	Crops	Character of Storm
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## MICHIGAN, North

**MIZ025**

**Benzie**

**04 1500EST**  
**05 0500EST**

**0 0**

**Winter Storm**

LOW PRESSURE TRACKING ACROSS NORTHERN LOWER MICHIGAN BROUGHT LOCALLY HEAVY SNOWS TO THE REGION. THUNDERSNOW ACCOMPANIED THE SYSTEM AND BRIEFLY PRODUCED SNOWFALL RATES OF 2 TO 3 INCHES PER HOUR. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.

**MIZ026**

**Grand Traverse**

**04 1500EST**  
**05 0500EST**

**0 0**

**Winter Storm**

LOW PRESSURE TRACKING ACROSS NORTHERN LOWER MICHIGAN BROUGHT LOCALLY HEAVY SNOWS TO THE REGION. THUNDERSNOW ACCOMPANIED THE SYSTEM AND BRIEFLY PRODUCED SNOWFALL RATES OF 2 TO 3 INCHES PER HOUR. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 10 INCHES.

**MIZ031**

**Manistee**

**04 1500EST**  
**05 0500EST**

**0 0**

**Winter Storm**

LOW PRESSURE TRACKING ACROSS NORTHERN LOWER MICHIGAN BROUGHT LOCALLY HEAVY SNOWS TO THE REGION. THUNDERSNOW ACCOMPANIED THE SYSTEM AND BRIEFLY PRODUCED SNOWFALL RATES OF 2 TO 3 INCHES PER HOUR. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.

**MIZ016**

**Emmet**

**21 1200EST**  
**22 0500EST**

**0 0**

**Winter Storm**

LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.

**MIZ017**

**Cheboygan**

**21 1200EST**  
**22 0500EST**

**0 0**

**Winter Storm**

LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. AN EASTERLY FLOW OFF OF LAKE HURON ENHANCED SNOWFALL ACROSS THE COUNTY...RESULTING IN 8 TO 12 INCHES OF TOTAL ACCUMULATION.

LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. AN EASTERLY FLOW OFF OF LAKE HURON ENHANCED SNOWFALL ACROSS THE COUNTY...RESULTING IN 8 TO 12 INCHES OF TOTAL ACCUMULATION.

**MIZ018**

**Presque Isle**

**21 1200EST**  
**22 0500EST**

**0 0**

**Winter Storm**

LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. AN EASTERLY FLOW OFF OF LAKE HURON ENHANCED SNOWFALL ACROSS THE COUNTY...PRODUCING 10 TO 16 INCHES OF TOTAL ACCUMULATION.

**MIZ019**

**Charlevoix**

**21 1200EST**  
**22 0500EST**

**0 0**

**Winter Storm**

LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.

**MIZ020**

**Leelanau**

**21 1200EST**  
**22 0500EST**

**0 0**

**Winter Storm**

LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.

**MIZ021**

**Antrim**

**21 1200EST**  
**22 0500EST**

**0 0**

**Winter Storm**

# Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MICHIGAN, North</b>									
<b>MIZ021</b>		<b>Antrim</b>							
	21	1200EST			0	0			Winter Storm
	22	0500EST							
	LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. TOTAL SNOWFALL ACROSS THE COUNTY WAS AROUND 6 INCHES.								
<b>MIZ022</b>		<b>Otsego</b>							
	21	1200EST			0	0			Winter Storm
	22	0500EST							
	LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 10 INCHES.								
<b>MIZ023</b>		<b>Montmorency</b>							
	21	1200EST			0	0			Winter Storm
	22	0500EST							
	LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. AN EASTERLY FLOW OFF OF LAKE HURON ENHANCED SNOWFALL ACROSS THE COUNTY...RESULTING IN 8 TO 12 INCHES OF TOTAL ACCUMULATION.								
<b>MIZ024</b>		<b>Alpena</b>							
	21	1200EST			0	0			Winter Storm
	22	0500EST							
	LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. AN EASTERLY FLOW OFF OF LAKE HURON ENHANCED SNOWFALL ACROSS THE COUNTY...RESULTING IN 12 TO 18 INCHES OF TOTAL ACCUMULATION.								
<b>MIZ025</b>		<b>Benzie</b>							
	21	1200EST			0	0			Winter Storm
	22	0500EST							
	LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.								
<b>MIZ026</b>		<b>Grand Traverse</b>							
	21	1200EST			0	0			Winter Storm
	22	0500EST							
	LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. TOTAL SNOWFALL ACROSS THE COUNTY WAS AROUND 6 INCHES.								
<b>MIZ027</b>		<b>Kalkaska</b>							
	21	1200EST			0	0			Winter Storm
	22	0500EST							
	LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. TOTAL SNOWFALL ACROSS THE COUNTY WAS AROUND 6 INCHES.								
<b>MIZ028</b>		<b>Crawford</b>							
	21	1200EST			0	0			Winter Storm
	22	0500EST							
	LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 9 INCHES.								
<b>MIZ029</b>		<b>Oscoda</b>							
	21	1200EST			0	0			Winter Storm
	22	0500EST							
	LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. AN EASTERLY FLOW OFF OF LAKE HURON ENHANCED SNOWFALL ACROSS THE COUNTY...RESULTING IN 12 TO 16 INCHES OF TOTAL ACCUMULATION.								
<b>MIZ032</b>		<b>Wexford</b>							
	21	1200EST			0	0			Winter Storm
	22	0500EST							
	LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. TOTAL SNOWFALL ACROSS THE COUNTY WAS AROUND 6 INCHES.								
<b>MIZ033</b>		<b>Missaukee</b>							
	21	1200EST			0	0			Winter Storm
	22	0500EST							

# Storm Data and Unusual Weather Phenomena

February 1997

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

LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. TOTAL SNOWFALL ACROSS THE COUNTY WAS AROUND 6 INCHES.

**MIZ034**

**Roscommon**

21	1200EST				0	0			Winter Storm
22	0500EST								

LOW PRESSURE TRACKING ACROSS THE LOWER GREAT LAKES REGION SPREAD LOCALLY HEAVY SNOWS INTO NORTHERN LOWER MICHIGAN. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.

**MIZ016**

**Emmet**

27	0400EST				0	0			Winter Storm
	1400EST								

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 5 TO 7 INCHES.

**MIZ017**

**Cheboygan**

27	0400EST				0	0			Winter Storm
	1400EST								

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 10 INCHES.

**MIZ018**

**Presque Isle**

27	0400EST				0	0			Winter Storm
	1400EST								

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 2 TO 3 INCHES PER HOUR...WITH ENHANCEMENT PROVIDED BY NORTHEAST WINDS OFF OF LAKE HURON. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 14 INCHES.

**MIZ019**

**Charlevoix**

27	0400EST				0	0			Winter Storm
	1400EST								

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 10 INCHES.

**MIZ020**

**Leelanau**

27	0400EST				0	0			Winter Storm
	1400EST								

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.

**MIZ021**

**Antrim**

27	0400EST				0	0			Winter Storm
	1400EST								

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 10 INCHES.

**MIZ022**

**Otsego**

27	0400EST				0	0			Winter Storm
	1400EST								

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN

# Storm Data and Unusual Weather Phenomena

February 1997

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

## MICHIGAN, North

LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 12 INCHES.

**MIZ023**

**Montmorency**

27	0400EST 1400EST				0	0			Winter Storm
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A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 2 TO 3 INCHES PER HOUR...WITH ENHANCEMENT PROVIDED BY NORTHEAST WINDS OFF OF LAKE HURON. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 10 TO 14 INCHES.

**MIZ024**

**Alpena**

27	0400EST 1400EST				0	0			Winter Storm
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A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 2 TO 3 INCHES PER HOUR...WITH ENHANCEMENT PROVIDED BY NORTHEAST WINDS OFF OF LAKE HURON. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 12 TO 16 INCHES.

**MIZ025**

**Benzie**

27	0400EST 1400EST				0	0			Winter Storm
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A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.

**MIZ026**

**Grand Traverse**

27	0400EST 1400EST				0	0			Winter Storm
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A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 10 INCHES.

**MIZ027**

**Kalkaska**

27	0400EST 1400EST				0	0			Winter Storm
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A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 10 INCHES.

**MIZ028**

**Crawford**

27	0400EST 1400EST				0	0			Winter Storm
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A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 12 INCHES.

**MIZ029**

**Oscoda**

27	0400EST 1400EST				0	0			Winter Storm
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A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 2 TO 3 INCHES PER HOUR...WITH ENHANCEMENT PROVIDED BY NORTHEAST WINDS OFF OF LAKE HURON. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED

# Storm Data and Unusual Weather Phenomena

February 1997

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

## MICHIGAN, North

FROM 8 TO 14 INCHES.

**MIZ030**

**Alcona**

27 0400EST  
1400EST

0 0

**Winter Storm**

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 2 TO 3 INCHES PER HOUR...WITH ENHANCEMENT PROVIDED BY NORTHEAST WINDS OFF OF LAKE HURON. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 12 INCHES.

**MIZ031**

**Manistee**

27 0400EST  
1400EST

0 0

**Winter Storm**

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 8 INCHES.

**MIZ032**

**Wexford**

27 0400EST  
1400EST

0 0

**Winter Storm**

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOW TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 12 INCHES.

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOW TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 12 INCHES.

**MIZ033**

**Missaukee**

27 0400EST  
1400EST

0 0

**Winter Storm**

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 8 TO 10 INCHES.

**MIZ034**

**Roscommon**

27 0400EST  
1400EST

0 0

**Winter Storm**

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 6 TO 10 INCHES.

**MIZ035**

**Ogemaw**

27 0400EST  
1400EST

0 0

**Winter Storm**

A SURFACE LOW TRACKING ACROSS THE LOWER GREAT LAKES AND AN UPPER LOW CROSSING NORTHERN LOWER MICHIGAN COMBINED TO BRING HEAVY SNOWS TO THE REGION. SNOW OCCASIONALLY FELL AT THE RATE OF 1 TO 2 INCHES PER HOUR. STRONG WINDS COMBINED WITH THE SNOW TO CAUSE SIGNIFICANT BLOWING AND DRIFTING...WITH NEAR WHITEOUT CONDITIONS AT TIMES. TOTAL SNOWFALL ACROSS THE COUNTY RANGED FROM 5 TO 8 INCHES.

## MICHIGAN, Upper

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

February 1997

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

**MIZ037-045-050-052-057-059-064>065-077-079**      **Mason - Mecosta - Muskegon - Gratiot - Kent - Clinton - Allegan - Barry - Berrien - St. Joseph**

21	0600EST				0	0			<b>Flood</b>
28	2359EST								

A spring like storm system developed over Western Texas on the 20th and tracked into Southern Michigan on Friday, the 21st. A warm moist flow of air from the Gulf of Mexico fed the storm and produced a few thunderstorms with moderate to heavy amounts of rain across Southwest Lower Michigan. The rain began on the afternoon of the 20th and continued through the 21st before changing to snow later that evening. Widespread flooding occurred and water covered roads in 14 counties. Comstock Park, located along the Grand River, was hardest hit with a crest 3 feet above flood stage, and the river remaining above flood stage for 12 days.

Rivers equaled or exceeded flood stage at the following locations:

Pine River	Alma
Rogue River	Rockford
Kalamazoo River	Fennville
St. Joseph River	Niles
Maple River	Maple Rapids
Looking Glass River	Eagle
Thornapple River	Hastings
Grand River	Ionia
	Lowell
	Ada
	Comstock Park
Little Muskegon River	Morley
White River	Whitehall
Pere Marquette River	Scottville

No significant flood damages were reported during this event and no lives were lost. Most of the river flooding resulted in flooding s of low lands, some secondary roads, and backup of some sewer and septic systems.

**Allegan County**

Allegan	21	0800EST 1959EST			0	0			<b>Flash Flood</b>
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**Barry County**

Hastings	21	0800EST 1959EST			0	0			<b>Flash Flood</b>
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**Berrien County**

Bridgman	21	0800EST 1959EST			0	0			<b>Flash Flood</b>
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**Cass County**

Dowagiac	21	0800EST 1959EST			0	0			<b>Flash Flood</b>
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**Clinton County**

Maple Rapids	21	0800EST 1959EST			0	0			<b>Flash Flood</b>
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**Eaton County**

Grand Ledge	21	0800EST 1959EST			0	0			<b>Flash Flood</b>
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**Gratiot County**

Ithaca	21	0800EST 1959EST			0	0			<b>Flash Flood</b>
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**Ingham County**

Lansing	21	0800EST 1959EST			0	0			<b>Flash Flood</b>
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**Ionia County**

Ionia	21	0800EST 1959EST			0	0			<b>Flash Flood</b>
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**Isabella County**

Mt Pleasant	21	0800EST 1959EST			0	0			<b>Flash Flood</b>
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# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>MICHIGAN, West</u></b>									
<b>Kalamazoo County</b>									
Kalamazoo	21	0800EST 1959EST			0	0			Flash Flood
<b>Kent County</b>									
Grand Rapids	21	0800EST 1959EST			0	0			Flash Flood
<b>Mecosta County</b>									
Remus	21	0800EST 1959EST			0	0			Flash Flood
<b>Montcalm County</b>									
Greenville	21	0800EST 1959EST			0	0			Flash Flood
<b>Muskegon County</b>									
Montague	21	0800EST 1959EST			0	0			Flash Flood
<b>Newaygo County</b>									
Fremont	21	0800EST 1959EST			0	0			Flash Flood
<b>Oceana County</b>									
Rothbury	21	0800EST 1959EST			0	0			Flash Flood
<b>Ottawa County</b>									
Grand Haven	21	0800EST 1959EST			0	0			Flash Flood
<b>Van Buren County</b>									
Lawton	21	0800EST 1959EST			0	0			Flash Flood

A series of convective storms dumped 1.5 to 4 inches of rainfall across the western Michigan area during the day of the 21st. Numerous roads and streets were flooded and quickly become impassable. Small creeks quickly filled to capacity and overflowed their banks. The rain continued into the following day creating some mainstem river flooding, reported in a separate flood entry.

<b>Clare County</b>									
Clare	21	1015EST 1800EST			0	0			Flash Flood
<b>Lake County</b>									
Baldwin	21	1015EST 1800EST			0	0			Flash Flood
<b>Mason County</b>									
Scottville	21	1015EST 1800EST			0	0			Flash Flood
<b>Osceola County</b>									
Reed City	21	1015EST 1800EST			0	0			Flash Flood

Rainfall amounts between 1.5 and 2 inches were commonly reported throughout the four county area. Streets and roads were covered with water up to 8 inches deep around midday. A few roads were closed for a short period of time in the early afternoon. All streets and roads were clear of water by 6 PM.

## **MINNESOTA, Central and South Central**

<b>MNZ091&gt;093</b>									
<b>Martin - Faribault - Freeborn</b>									
	04	0200CST 1700CST			0	0			Heavy Snow

6 to 8 inch snowfall over far southern Minnesota. 6 inches reported at Fairmont, 8 inches at Albert Lea.

# Storm Data and Unusual Weather Phenomena

February 1997

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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## MINNESOTA, Northeast

<b>MNZ011&gt;012- 019&gt;021-037</b>	<b>Northern St. Louis - Northern Cook / Northern Lake - Central St. Louis - Southern Lake - Southern Cook - Southern St. Louis / Carlton</b>	<b>28</b>	<b>0415CST 2359CST</b>		<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
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Heavy snow fell from Duluth across the Iron Range and Arrowhead regions of northeastern Minnesota. Between 6 and 7 inches fell in the Duluth area. On the Iron Range, Pengilly received 8 inches and Eveleth 7 inches. Reports of 6 to 8 inches were received from North Shore locations between Two Harbors and Grand Marais. This event extended a few hours into Saturday, March 1.

## MINNESOTA, Northwest

NONE REPORTED.

## MINNESOTA, Southeast

<b>MNZ079-086&gt;088- 094&gt;096</b>	<b>Wabasha - Dodge - Olmsted - Winona - Mower - Fillmore - Houston</b>	<b>04</b>	<b>0200CST 1600CST</b>		<b>0</b>	<b>0</b>			<b>Winter Storm</b>
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6 to 10 inches of snow was accompanied by considerable blowing and drifting, which produced 2 to 4 foot drifts.

## MINNESOTA, Southwest

<b>MNZ071-080-089- 097&gt;098</b>	<b>Lincoln - Murray - Nobles - Pipestone - Rock</b>	<b>03</b>	<b>0800CST</b>		<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
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Snow accumulated 5 to 12 inches, curtailing travel and closing some schools for a day. The greatest amount of 12 inches was reported southwest of Luverne.

## MINNESOTA, West

NONE REPORTED.

## MINNESOTA, West Central

<b>MNZ039-046</b>	<b>Traverse - Big Stone</b>	<b>03</b>	<b>1000CST</b>		<b>0</b>	<b>0</b>			<b>Winter Storm</b>
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A winter storm dropped 5 to 6 inches of snow across Big Stone and Traverse counties deepening the already expansive snowpack. During the morning of the 4th, the wind came up from the north at 20 to 30 mph causing blowing and drifting snow making travel hazardous. Several vehicles became stuck or went off the road. Schools were delayed or canceled. Some snowfall amounts include, 5 inches at Wheaton, 6 inches at Browns Valley, Artichoke Lake, and Ortonville.

## MISSISSIPPI, Central

<b>MSZ072</b>	<b>Marion</b>	<b>13</b>	<b>0035CST</b>		<b>0</b>	<b>0</b>	<b>1K</b>		<b>High Wind (G40)</b>
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Several trees were blown down.

<b>MSZ062</b>	<b>Lincoln</b>	<b>13</b>	<b>0100CST</b>		<b>0</b>	<b>0</b>	<b>2K</b>		<b>High Wind (G40)</b>
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Several trees were blown down throughout the county.

<b>MSZ073</b>	<b>Lamar</b>	<b>13</b>	<b>0115CST</b>		<b>0</b>	<b>0</b>	<b>1K</b>		<b>High Wind (G40)</b>
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A couple of trees were blown down in Sumrall.

<b>MSZ074</b>	<b>Forrest</b>	<b>13</b>	<b>0200CST</b>		<b>0</b>	<b>0</b>	<b>1K</b>		<b>High Wind (G40)</b>
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A couple of trees were blown down in Soso.

<b>MSZ060</b>	<b>Adams</b>	<b>13</b>	<b>0210CST</b>		<b>0</b>	<b>0</b>	<b>2K</b>		<b>High Wind (G40)</b>
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Several trees were blown down across the county.

<b>Adams County Natchez</b>		<b>21</b>	<b>0150CST</b>		<b>0</b>	<b>0</b>	<b>2K</b>		<b>Thunderstorm Wind</b>
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Several trees were blown down.

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MISSISSIPPI, Central</b>									
<b>Jefferson County</b>									
Fayette	21	0200CST			0	0	5K		Thunderstorm Wind
									Numerous trees were blown down across the county. Most of the trees were downed in Fayette.
<b>Franklin County</b>									
Meadville	21	0216CST			0	0			Thunderstorm Wind (G61)
<b>Sunflower County</b>									
Indianola	21	0220CST			0	0	2K		Thunderstorm Wind
									A couple of trees were blown down and numerous large limbs were blown out of trees.
<b>Claiborne County</b>									
Port Gibson	21	0220CST			0	0	10K		Thunderstorm Wind
									Numerous trees were blown down.
<b>Warren County</b>									
8 S Vicksburg	21	0222CST			0	0	5K		Thunderstorm Wind
									Several power lines were blown down.
<b>Hinds County</b>									
Raymond	21	0255CST			0	0			Thunderstorm Wind (G52)
<b>Lincoln County</b>									
Caseyville	21	0255CST			0	0			Thunderstorm Wind (G65)
<b>Hinds County</b>									
Clinton	21	0257CST			0	0			Thunderstorm Wind (G57)
<b>Copiah County</b>									
Barlow	21	0300CST			0	0	10K		Thunderstorm Wind
									Numerous trees were blown down across the western part of the county.
<b>Yazoo County</b>									
Yazoo City	21	0305CST			0	0	5K		Thunderstorm Wind
									Numerous trees were blown down.
<b>Hinds County</b>									
3 W Byram	21	0305CST			0	0	1K		Thunderstorm Wind
									Several trees were blown down.
<b>Leflore County</b>									
8 SW Greenwood	21	0310CST			0	0	5K		Thunderstorm Wind
									Part of the roof of a house was blown off.
<b>Hinds County</b>									
Clinton	21	0310CST			0	0	5K		Thunderstorm Wind
									Numerous trees were blown down.
<b>Hinds County</b>									
3 S Byram	21	0310CST			0	0	30K		Thunderstorm Wind
									The roof of one house was damaged. One mobile home was blown over. Two trailers were blown over. Numerous trees were blown down.
<b>Rankin County</b>									
3 SW Sand Hill	21	0320CST			0	0	10K		Thunderstorm Wind
									Twenty five trees were blown down off of Grants Ferry Road.
<b>Rankin County</b>									
Pearl	21	0330CST			0	0	10K		Thunderstorm Wind
									Numerous trees and power lines were blown down along Highway 80 in Pearl. The highway had to be close while debris was removed.
<b>Rankin County</b>									
4 N Brandon	21	0330CST			0	0			Thunderstorm Wind (G61)
<b>Rankin County</b>									
Brandon	21	0330CST			0	0	20K		Thunderstorm Wind
									Numerous trees were blown down in the Crossgates subdivision of Brandon.
<b>Rankin County</b>									
Richland	21	0330CST			0	0	2K		Thunderstorm Wind
									Several trees and power lines were blown down.
<b>Simpson County</b>									
D Lo	21	0330CST			0	0	2K		Thunderstorm Wind
									Several trees were blown down.

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MISSISSIPPI, Central</b>									
<b>Holmes County</b>									
Lexington	21	0330CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
<b>Madison County</b>									
Ridgeland	21	0330CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
<b>Carroll County</b>									
Vaiden	21	0340CST			0	0	1K		Thunderstorm Wind
			Numerous large limbs were blown out of trees in Vaiden.						
<b>Scott County</b>									
1.5 NNW Lillian to 5.5 NNE Lillian	21	0355CST 0410CST	5	200	0	1	150K		Tornado (F2)
<b>Leake County</b>									
1 SW Walnut Grove to Walnut Grove	21	0410CST 0413CST	1	200	0	0	1.5M		Tornado (F2)
			The tornado touched down 2 miles southwest of the Midway community. As the tornado tracked northeast through the community of Midway, it destroyed three mobile homes and caused significant roof damage to two residences. In addition the Midway Community Center was nearly totally destroyed. Just to the northeast of Midway the tornado uprooted or snapped off 75 to 100 trees and a house was significantly damaged. Another older house was totally destroyed. The tornado continued to move northeast and it lifted in the town of Walnut Grove. Damage in Walnut Grove consisted of several houses having some roof damage and several large trees being uprooted. Just southwest of Walnut Grove, six chicken houses were destroyed. One injury was reported in the Midway community.						
<b>Attala County</b>									
Kosciusko	21	0405CST			0	0	20K		Thunderstorm Wind
			Several trees were blown down and a few roofs were damaged.						
<b>Leake County</b>									
Carthage	21	0410CST			0	0	2K		Thunderstorm Wind
			Several trees and power lines were blown down.						
<b>Leake County</b>									
Lena	21	0410CST			0	0	1K		Thunderstorm Wind
			Several trees were blown down.						
<b>Leake County</b>									
Carthage	21	0410CST			0	0			Hail (1.00)
<b>Montgomery County</b>									
5 SE Winona	21	0415CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
<b>Montgomery County</b>									
3 N Winona	21	0415CST			0	0	1K		Thunderstorm Wind
			Several trees and a power line was blown down.						
<b>Webster County</b>									
Eupora	21	0430CST			0	0	5K		Thunderstorm Wind
			Several trees were blown down through the town of Eupora.						
<b>Choctaw County</b>									
5 SE Ackerman	21	0440CST			0	0	1K		Thunderstorm Wind
			Several trees were blown down across Highway 15.						
<b>Winston County</b>									
3 NW Louisville	21	0440CST			0	0	1K		Thunderstorm Wind
			Several trees were blown down along Highway 15.						
<b>Neshoba County</b>									
Arlington	21	0445CST			0	0	1K		Thunderstorm Wind
			Several trees were blown down.						
<b>Neshoba County</b>									
Philadelphia	21	0445CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down and the awnings were blown off a church.						
<b>Noxubee County</b>									
2 NW Brooksville	21	0500CST			0	0	10K		Thunderstorm Wind
			Part of a roof was torn off of a house.						

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>MISSISSIPPI, Central</u></b>									
<b>Oktober County</b>									
Starkville	21	0510CST			0	0	3K		Thunderstorm Wind
									Several trees and road signs were blown down.
<b>Jefferson Davis County</b>									
Carson	21	0545CST			0	0	2K		Thunderstorm Wind
									Several trees and power lines were blown down.
<b>Marion County</b>									
Columbia	21	0545CST			0	0	10K		Thunderstorm Wind
									Numerous trees and power lines were blown down.
<b>Marion County</b>									
Columbia	21	0600CST			0	0	5K		Thunderstorm Wind
									Numerous trees and power lines were blown down on Highway 135 and 35 south.
<b>Covington County</b>									
Collins	21	0600CST			0	0	1K		Thunderstorm Wind
									A couple of trees were blown down.
<b>Jasper County</b>									
Stringer	21	0620CST			0	0	1K		Thunderstorm Wind
									Several trees were blown down.
<b>Bolivar County</b>									
Pace	26	2005CST			0	0			Thunderstorm Wind (G61)
									The wind from this storm was so strong it actually knocked the spotter down.
<b>Warren County</b>									
Vicksburg	26	2130CST			0	0	1K		Thunderstorm Wind
									A few trees were blown down in Vicksburg.
<b>Claiborne County</b>									
3 NE Port Gibson	28	1530CST			0	0	1K		Thunderstorm Wind
									Several trees were blown down.
<b>Hinds County</b>									
2 SW Edwards	28	1607CST			0	0	5K		Thunderstorm Wind
									A barn was severely damaged.
<b>Hinds County</b>									
Brownsville	28	1630CST	1	40	0	0	2K		Tornado (F0)
		1632CST							This weak tornado blew down a couple of trees.
									This weak tornado blew down a couple of trees.
<b>Madison County</b>									
4 SW Flora to 3 WSW Flora	28	1640CST	2	40	0	0	2K		Tornado (F0)
		1643CST							Several trees were blown down..
<b>Madison County</b>									
3 N Flora to 4 NNE Flora	28	1655CST	1	40	0	0			Tornado (F0)
		1657CST							This tornado was sighted by spotters and the only visible damage was one tree blown down.
<b>Yazoo County</b>									
2 W Scotland Fork to 2 NNW Scotland Fork	28	1715CST	2	40	0	0	2K		Tornado (F0)
		1718CST							A local television station filmed this weak tornado. The tornado blew down several trees.
<b><u>MISSISSIPPI, North</u></b>									
<b>Lafayette County</b>									
5 W Oxford	21	0400CST			0	0	12K		Thunderstorm Wind
		0405CST							A trailer was badly damaged. Fifteen trees were blown down.
<b>Calhoun County</b>									
Baileyville to Derma	21	0420CST			0	0	2K		Thunderstorm Wind
		0435CST							A restaurant lost part of its tin roof in Baileyville. Several trees were knocked down in Calhoun City and Derma.

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>MISSISSIPPI, North</u></b>									
<b>Chickasaw County</b>									
Houston	21	0430CST 0435CST			0	0	1.5K		Thunderstorm Wind
The back door of an abandoned department store was blown out. Several trees were knocked down as well.									
<b>Tippah County</b>									
Ripley	21	0445CST 0450CST			0	0	5K		Thunderstorm Wind
Several barns and a silo were damaged. A cotton picker had been blown through a fence. Several trees and power lines were blown down.									
<b>Alcorn County</b>									
Wenasoga	21	0500CST 0505CST			0	0	5K		Thunderstorm Wind
An 86 foot long barn was rolled up and completely demolished.									
<b>Prentiss County</b>									
Booneville	21	0520CST 0525CST			0	0	1.5K		Thunderstorm Wind
A canopy at a gas station was overturned. A wooden fence was partially blown down. Several small trees were knocked down.									
<b>Lowndes County</b>									
(Cbm)Columbus Afb	21	0525CST 0530CST			0	0	0.50K		Thunderstorm Wind (G53)
A wind gust of 61 mph was measured at the Columbus Air Force base. A couple of trees were blown down.									
<b>Itawamba County</b>									
Fulton	21	0600CST 0605CST			0	0	5K		Thunderstorm Wind
A manufacturing plant lost a roof off one of its buildings. Several trees were knocked down as well.									
<b>Yalobusha County</b>									
Bryant	26	2250CST 2255CST			0	0	1K		Thunderstorm Wind
A few trees were blown down.									
<b>Lee County</b>									
Baldwyn to Nettleton	27	0015CST 0025CST			0	0	2.5K		Thunderstorm Wind
Several trees and power lines were blown down.									
<b><u>MISSISSIPPI, South</u></b>									
<b>Wilkinson County</b>									
Woodville	12	2250CST			0	0	1K		Thunderstorm Wind
An extensive power outage, lasting 7 hours and affecting 3/4 of the county's utility customers, occurred when fallen trees downed power lines.									
<b>Wilkinson County</b>									
Woodville	13	1110CST			0	0	1K		Thunderstorm Wind
A power outage lasting 4 hours occurred when fallen trees downed power lines.									
<b>Wilkinson County</b>									
Ft Adams	21	0130CST			0	0	5K		Thunderstorm Wind
The public reported several trees downed, one falling on an automobile and an unoccupied house was pushed off it's foundation.									
<b>Amite County</b>									
10 ENE Liberty	21	0240CST			0	0			Thunderstorm Wind
The Office of Emergency Preparedness reported 2 trees downed and a utility shed blown over along Barron Road.									
<b>Amite County</b>									
Liberty	21	0430CST			0	0	0.50K		Thunderstorm Wind
Thunderstorm wind gusts downed several trees in the vicinity of Liberty.									
<b>Pearl River County</b>									
2 W Crossroads	21	0545CST			0	0			Thunderstorm Wind
The Sheriff's Office reported several trees downed near the Mississippi-Louisiana state line.									
<b>Pearl River County</b>									
Pine Grove	25	0900CST 1900CST			0	0			Urban/Sml Stream Fld
Heavy rain and poor drainage due to high stream water levels caused extensive low land flooding with as much as 3 feet of water over some roads.									

# Storm Data and Unusual Weather Phenomena

February 1997

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

## MISSISSIPPI, Southeast

### Wayne County

Denham	21	0655CST 0656CST			0	0	4K		Thunderstorm Wind (G50)
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Several trees were blown down northeast of Denham. One of the trees damaged a swimming pool.

### Wayne County

4 SE Waynesboro	21	0725CST 0726CST			0	0	1.5K		Thunderstorm Wind (G52)
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Several trees were blown down 4 miles southeast of Waynesboro. A local SKYWARN spotter estimated winds at 60 mph.

### Perry County

Beaumont	21	0745CST 0746CST			0	0	2K		Thunderstorm Wind (G50)
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Several trees and power lines were blown down near Beaumont.

### Stone County

4 E Wiggins	21	0745CST 0746CST			0	0	2K		Thunderstorm Wind (G50)
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Several trees were blown down east of Wiggins along State Highway 26.

## MISSOURI, East

### St. Francois County

Countywide to Countywide	26 27	1200CST 0100CST			1	0			Heavy Rain
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A steady rain from about noon through midnight dropped from 2 to 4 inches of rain across St. Francois County. While no widespread flooding was reported, there was flooding in some of the usual low-lying areas, such as low water crossings. One such location was a low-lying bridge on a county road over Wolf Creek. Three people in a car tried to drive through the flooded road about 1230 am on the 27th. The car stalled and was swept away. Two passengers in the car managed to escape, but the driver did not. M23VE

## MISSOURI, Lower

### Dunklin County

Cardwell	28	1414CST 1419CST			0	0	0.75K		Hail (1.75)
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### Dunklin County

Kennett	28	1431CST 1436CST			0	0	0.25K		Hail (1.25)
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### Pemiscot County

Wardell	28	1450CST 1455CST			0	0	0.75K		Hail (1.75)
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## MISSOURI, Northwest

**MOZ014-020-023-028-030>032-038>040-044-046-054** Daviess - Buchanan - Livingston - Platte - Ray - Carroll - Chariton - Lafayette - Saline - Howard - Johnson - Cooper - Henry

21	0000CST			0	0		Flood
28	2359CST						

Heavy rainfall totals of 2 to 3 inches were observed over most of Northwest and West Central Missouri on February 20th into the 21st. As much as 4 to 6 inches of rain fell between Sedalia and Otterville, and 4.5 inches of rain was recorded at Rich Hill in Southern Bates County. The heavy rainfall resulted in widespread minor to moderate flooding which lasted through the end of February in several locations.

South Grand River  
Urich, MO

Flood Stage      24 ft  
Above Flood Stage    2/21 to 2/25  
Crest              27.5 ft on 2/22

Big Creek  
Blairstown, MO

# Storm Data and Unusual Weather Phenomena

February 1997

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, Northwest

Flood Stage            20 ft  
 Above Flood Stage    2/21 to 2/23  
 Crest                    Estimated 26.0 ft on 2/21

### Platte River

Agency, MO

Flood Stage            20 ft  
 Above Flood Stage    2/21 to 2/22  
 Crest                    23.85 ft on 2/21

### Sharps Station, MO

Flood Stage            26 ft  
 Above Flood Stage    2/21 to 2/24  
 Crest                    28.30 ft on 2/23

### Platte City, MO

Flood Stage            20 ft  
 Above Flood Stage    2/21 to 2/24  
 Crest                    23.1 ft on 2/24

### Crooked River Richmond, MO

Flood Stage            20 ft  
 Above Flood Stage    2/21 to 2/22  
 Crest                    22.7 ft on 2/22

### Wakenda Creek Carrollton, MO

Flood Stage            20 ft  
 Above Flood Stage    2/21 to 2/23  
 Crest                    22.5 ft on 2/22

### Blackwater River

Valley City, MO

Flood Stage            22 ft  
 Above Flood Stage    2/21 to 2/23  
 Crest                    Estimated 29.0 ft on 2/21

### Blue Lick, MO

Flood Stage            24 ft  
 Above Flood Stage    2/21 to 2/28  
 Crest                    33.35 ft on 2/24

### Grand River

Pattonsburg, MO

Flood Stage            25 ft

# Storm Data and Unusual Weather Phenomena

February 1997

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, Northwest

Above Flood Stage    2/21 to 2/21  
Crest                    27.4 ft on 2/21

### Gallatin, MO

Flood Stage            26 ft  
Above Flood Stage    2/21 to 2/22  
Crest                    28.55 ft on 2/21

### Chillicothe, MO

Flood Stage            24 ft  
Above Flood Stage    2/21 to 2/23  
Crest                    32.28 ft on 2/22

### Sumner, MO

Flood Stage            26 ft  
Above Flood Stage    2/21 to 2/25  
Crest                    36.34 ft on 2/23

### Brunswick, MO

Flood Stage            19 ft  
Above Flood Stage    2/22 to 2/26  
Crest                    24.53 ft on 2/24

### Moniteau Creek Fayette, MO

Flood Stage            16 ft  
Above Flood Stage    2/21 to 2/21  
Crest                    20.3 ft on 2/21

### Lamine River Otterville, MO

Flood Stage            15 ft  
Above Flood Stage    2/21 to 2/22  
Crest                    24.11 ft on 2/21

### Petite Saline Creek Boonville, MO

Flood Stage            16 ft  
Above Flood Stage    2/21 to 2/22  
Crest                    Estimated 20.0 ft on 2/21

### Chariton River Prairie Hill, MO

Flood Stage            15 ft  
Above Flood Stage    2/21 to 2/22  
Crest                    18.18 ft on 2/21



# Storm Data and Unusual Weather Phenomena

February 1997

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, Northwest

Big Creek  
Blairstown, MO

Flood Stage 20 ft  
Above Flood Stage 2/26 to 2/28  
Crest 22.2 ft on 2/26

Blackwater River  
Valley City, MO

Flood Stage 22 ft  
Above Flood Stage 2/26 to 2/27  
Crest 26.3 ft on 2/27

Grand River  
Sumner, MO

Flood Stage 26 ft  
Above Flood Stage 2/27 to 2/28  
Crest 30.28 ft on 2/28

Coniteau Creek  
Fayette, MO

Flood Stage 16 ft  
Above Flood Stage 2/26  
Crest Estimated 17.5 ft

Lamine River  
Otterville, MO

Flood Stage 15 ft  
Above Flood Stage 2/26 to 2/27  
Crest 16.71 on 2/27

## MISSOURI, Southeast

**MOZ076**

**Perry**

**07 2200CST**

**0 0**

**Winter Storm**

**08 0300CST**

Snowfall amounts ranged from 2 to 4 inches. The precipitation began as a mixture of rain and snow late on the afternoon of the 7th, but quickly changed to snow. Some of the heavy wet snow melted on contact with warmer road surfaces.

**MOZ076**

**Perry**

**13 0600CST**

**0 0**

**Winter Storm**

**1200CST**

Snowfall amounts ranged from an inch at Cape Girardeau to near 4 inches from Poplar Bluff to New Madrid. Sleet and rain briefly mixed with the snow.

**Stoddard County**

**Dexter Arpt**

**21 0200CST**

**0 0**

**100K**

**Thunderstorm Wind**

Eight hangars at the Dexter Airport were damaged or destroyed. A jet was moved across the field. A large tree was uprooted.

**Scott County**

**Miner**

**21 0442CST**

**0 0**

**30K**

**Thunderstorm Wind**

A barn was blown down on Route O near the Mississippi County line.

**MOZ076-087**

**Perry - Cape Girardeau**

**24 0200CST**

**0 0**

**25K**

**Flood**

**28 2359CST**

Heavy rainfall during the latter half of February across the upper Plains sent the Mississippi River rising above flood stage by

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>MISSOURI, Southeast</u></b>									
month's end. At Cape Girardeau, the river rose above the 32 foot flood stage on the 24th, and was near 37 feet by the end of the month. The river rose unusually fast, from 15 feet on the 21st to over 35 feet on the 26th. This rapid rise caught some contractors by surprise. A bridge project near Cape Girardeau was abruptly halted by the rising water. Some damage occurred to the work area before contractors could build a makeshift levy.									
<b>New Madrid County</b>									
Marston	28	1455CST			0	0			Hail (1.00)
<b><u>MISSOURI, Southwest</u></b>									
<b>McDonald County</b>									
Jane	20	2135CST			0	0			Thunderstorm Wind (G60) Thunderstorm winds uprooted trees.
<b>Barry County</b>									
Cassville	20	2148CST			0	0	15K	0	Thunderstorm Wind Thunderstorm winds blew a roof off of house and several outbuildings were destroyed.
<b>McDonald County</b>									
3 NE Noel	20	2200CST			0	0			Flash Flood Heavy rains caused flooding along Highway 59 between Lanagan and Noel.
<b>Jasper County</b>									
Carthage	20	2200CST			0	0			Flash Flood Heavy rains caused flooding of low water bridges and roads in the Carthage area.
<b>Barry County</b>									
Monett	20	2203CST 2205CST			0	0	250K	0	Thunderstorm Wind Thunderstorm winds caused damage to one-half dozen businesses downtown. Most of the damage was due to broken windows and awnings being blown down. The roof of the high school sports storage building was partially blown off.
<b>Lawrence County</b>									
Pierce City	20	2210CST			0	0			Thunderstorm Wind (G70) Thunderstorm winds blew down a barn.
<b>Stone County</b>									
10 SW Reeds Spg	20	2212CST			0	0	50K	0	Thunderstorm Wind (G70) Thunderstorm winds destroyed a 20 stall boat dock and uprooted many large trees at the Hideaway Marina on Table Rock Lake.
<b>Newton County</b>									
Diamond	20	2225CST			0	0			Flash Flood Heavy rains caused flooding along Highways E and J, and on Alternate 71. Some sections of the above highways were impassable.
<b>Ozark County</b>									
3 N Thornfield	20	2230CST			0	0			Thunderstorm Wind (G60) Thunderstorm winds downed trees along Highway 95.
<b>Greene County</b>									
Bois D Arc	20	2250CST			0	0			Thunderstorm Wind (G60) Thunderstorm winds downed trees.
<b>Polk County</b>									
Bolivar	20	2255CST			0	0			Thunderstorm Wind (G60) Thunderstorm winds downed trees.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## MISSOURI, Southwest

### **Dade County**

Everton	20	2300CST			0	0			Thunderstorm Wind (G60)
Thunderstorm winds downed trees.									

### **Ozark County**

10 S Wasola	20	2300CST			0	0			Thunderstorm Wind (G60)
Thunderstorm winds downed trees along county road 115.									

### **Dallas County**

Urbana	20	2315CST			0	0			Thunderstorm Wind (G60)
Thunderstorm winds downed trees.									

### **Douglas County**

15 SE Ava	20	2325CST			0	0			Thunderstorm Wind (G60)
Thunderstorm winds downed trees along Highway 14.									

### **Howell County**

West Plains	20	2345CST			0	0	25K	0	Thunderstorm Wind (G70)
Thunderstorm winds lifted roof off the Glass Sword Theater and caused damage to equipment inside theater. Numerous trees were uprooted.									

### **Howell County**

6 E Willow Springs	26	1900CST			1	1	0	0	Flash Flood
A two year old girl drowned after the pickup truck driven by her mother was swept off a rain-swollen low water crossing on County Road 1550, six miles east of Willow Springs. Her mother was rescued. The young girl's body, which was strapped in a car seat, was found downstream about six hours later.									
F2IW									

## MONTANA, Central

### **MTZ015**

#### **Gallatin/Madison**

11	1800MST			0	0			Heavy Snow
12	1200MST							

Heavy snow occurred in the Bozeman area in southwest Montana. Bozeman received 6 to 7 inches of snow while up to a foot was reported in the surrounding mountains.

### **MTZ012**

#### **Cascade/Eastern Teton/Judith Basin**

22	0000MST			0	0			Heavy Snow
	1800MST							

A small area in central Montana received heavy snow. 6 inches was reported by a spotter 20 miles southeast of Cascade. Another spotter, 8 miles north of Neihart, also reported 6 inches.

### **MTZ009>010-012>014 Rocky Mountain Front - Eastern Glacier/Eastern Pondera/Toole/Liberty - Cascade/Eastern Teton/Judith Basin - Fergus/Chouteau - Broadwater/Jefferson/Meagher Central And Southern Lewis And Clark**

27	0000MST			0	0			Heavy Snow
28	1000MST							

Portions of central Montana received 4 to 6 inches of new snow. Shonkin reported the most with 16 inches.

## MONTANA, East

### **MTZ016>020-023>027 Phillips - Valley - Daniels - Sheridan - Roosevelt - McCone - Richland - Dawson - Prairie - Wibaux**

05	0300MST			0	0			Fog
06	0730MST							

Unusual widespread dense fog developed over the entire northeast corner of Montana. Visibility was near zero over portions of the area and overnight travel was discouraged.

### **MTZ025**

#### **Dawson**

23	1838MST			0	0			Flood
24	1521MST							

## MONTANA, South

### **Carbon County**

.5 S Bridger	01	0800MST			0	0			Urban/Sml Stream Fld
		1500MST							

Runoff caused the Sand Creek Canal to flood. Water was flowing down the main street of the city with damage to many businesses

# Storm Data and Unusual Weather Phenomena

February 1997

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

## MONTANA, South

and also a few homes.

**Yellowstone County**  
3 S Laurel

	02	0800MST			0	0			Urban/Sml Stream Fld
		1500MST							

Ice jam caused Clark's Fork River to flood south of Laurel. It flooded a ranch where there was minor damage. It also damaged a road and flooded several fields.

## MONTANA, West

**MTZ001**

**Kootenai/Cabinet Region**

	02	0800MST			0	0			Heavy Snow
		03	0800MST						

Six inches new snow at Big Mountain Ski Resort, Whitefish.

**MTZ001**

**Kootenai/Cabinet Region**

	07	0800MST			0	0			Heavy Snow
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Building collapsed from weight of heavy snow in Libby.

**MTZ004**

**Lower Clark Fork/Bitterroot Mountains**

	12	0800MST			0	0			Heavy Snow
		13	0800MST						

Nine inches of new snow at Lookout Pass Ski Resort.

**MTZ004-006**

**Lower Clark Fork/Bitterroot Mountains - Blackfoot/Pintlar Region**

	19	0800MST			0	0			Heavy Snow
		20	0800MST						

Six inches new snow at Discovery Ski Area. Ten inches new snow at Lookout Pass Ski Resort.

**MTZ006**

**Blackfoot/Pintlar Region**

	22	0800MST			0	0			Heavy Snow
		23	0800MST						

Eight inches of new snow at Discovery Ski Area.

**MTZ001>003-006**

**Kootenai/Cabinet Region - West Glacier/Bob Marshall Region - Flathead/Mission Valleys - Blackfoot/Pintlar Region**

	26	0000MST			0	0			Heavy Snow
		27	0000MST						

12 inches of new snow at Discovery Ski Area, and Kalispell. 13 inches new snow at Big Mountain Ski Resort, and Columbia Falls. 16 inches new snow at Martin City. Six to eight inches of new snow reported around Flathead Lake.

**MTZ004**

**Lower Clark Fork/Bitterroot Mountains**

	28	0400MST			0	0			Heavy Snow
		2359MST							

6-8 inches of snow at Lookout Pass Ski Area ending by 400 am on 3/1/97.

## NEBRASKA, Central

**NEZ005>010-025>029-037>038** **Cherry - Keya Paha - Boyd - Brown - Rock - Holt - Thomas - Blaine - Loup - Garfield - Wheeler - Logan - Custer**

	03	0600CST			0	0	100K		Winter Storm
		04	0000CST						

A winter storm moved across Nebraska and produced from 4 to 8 inches of snow over northcentral Nebraska with an isolated report of 13 inches at Lynch. The snow created icy roads and reduced visibilities causing numerous accidents but few injuries. Many activities were cancelled Monday as well as an early start to school on Tuesday.

**NEZ006>007**

**Keya Paha - Boyd**

	19	1300CST			0	0	750K		Flood
		22	1700CST						

Several days of temperatures above freezing caused snow to melt and ice to break up on Ponca Creek and Keya Paha River in northcentral Nebraska. The extra runoff from snowmelt combined with ice jams along the waterways caused flooding from Bristow east to the Boyd County line. In Keya Paha County flooding occurred near the community of Burton. Numerous homes and businesses incurred damage. County roads and bridges also sustained damage with Keya Paha County reporting \$286,701 damage to its roads and bridges. Also, considerable soil erosion occurred to agricultural land.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## NEBRASKA, East

**NEZ011>012-015>018-032>034-043>045-051**    **Knox - Cedar - Thurston - Antelope - Pierce - Wayne - Stanton - Cuming - Burt - Colfax - Dodge - Washington - Saunders**

03	1000CST				0	0			<b>Winter Storm</b>
04	0600CST								

A storm system moved across the central plains producing snowfall of six to twelve inches.

**NEZ011-015>017-031>034-042>045-050>053-067**    **Knox - Thurston - Antelope - Pierce - Madison - Stanton - Cuming - Burt - Platte - Colfax - Dodge - Washington - Butler - Saunders - Douglas - Sarpy - Cass**

18	1800CST				0	0	<b>620K</b>		<b>Flood</b>
28	1200CST								

Mild temperatures melted snowcover in a short time period allowing for a sudden runoff into streams and rivers which were still intact with thicker than normal ice. The runoff into the streams and rivers was sufficient to break up the ice. Ice jams formed at many locations causing flooding.

Serious flooding occurred on the lower Loup and lower Platte rivers. The strongest and most urban flooding occurred in the stretch of the Platte river along Saunders and Sarpy counties between the mouth of the Elkhorn river to the State Highway 6 bridge near Linoma Beach/Beacon View. This was the result of a 2.5 mile long ice jam along the Platte river. Thomas Lakes was severely impacted with ice jam flooding. Beacon View homes were also flooded. Several structures at Camp Ashland were also flooded forcing the evacuation of 150 people. Some three thousand acres of farmlands in western Sarpy county were flooded as the local levee was overtopped upstream of Beacon View. Likewise, flooding entered the flood plain on the Saunders county side of the Platte. Two to three days of dynamiting of the Platte river ice jam near Beacon View beginning on the 20th did much to bust up the strongest ice jam that acted as the main blockage in the area.

The Ponca creek in Knox county flooded considerable lowlands. Many county roads and State Highway 12 near Verdel flooded. Bazile creek also flooded lowlands and State Highway 12 for a brief time period. The Bazile and Ponca creeks also ran out of their banks on the east and west sides of Niobrara.

The Verdigre creek near Verdigre ran out if its banks due to ice jamming. This caused the evacuation of three homes in Verdigre.

Other lowland flooding occurred along the Logan creek near Uehling, the Maple creek near Nickerson, and the Loup river north of Columbus, and the Elkhorn river near West Point.

**NEZ065>066**    **Seward - Lancaster**

23	2300CST				0	0			<b>Winter Storm</b>
24	0900CST								

Convergence along a frontal boundary aloft generated five to six inches of snow in a narrow band from Utica east through Raymond.

Canadian high pressure prevailed at the surface over the central plains.

**NEZ053-066>068-078-088>093**    **Sarpy - Lancaster - Cass - Otoe - Saline - Jefferson - Gage - Johnson - Nemaha - Pawnee - Richardson**

26	1500CST				0	0			<b>Winter Storm</b>
27	0100CST								

Low pressure moved northeast from Oklahoma through Missouri and into Illinois. This combined with a strong upper level disturbance which moved out of the southwestern U.S. into the central plains to generate four to seven inches of snow.

## NEBRASKA, Extreme Northeast

**NEZ013>014**

**Dixon - Dakota**

03	0800CST				0	0			<b>Heavy Snow</b>
04	1200CST								

Snow accumulated 8 to 12 inches with 12 inches reported at South Sioux City. The snow curtailed travel and closed schools for a day.

## NEBRASKA, Extreme Southwest

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## NEBRASKA, South Central

**NEZ039>041-046>049- Valley - Greeley - Nance - Sherman - Howard - Merrick - Polk - Dawson - Buffalo - Hall - Hamilton - York -  
060>064-072>077-082- Gosper - Phelps - Kearney - Adams - Clay - Fillmore - Furnas - Harlan - Franklin - Webster - Nuckolls -  
082>087 Thayer**

<b>03</b>	1200CST				0	0	0	0	<b>Winter Storm</b>
<b>04</b>	0900CST								

The first significant snowfall in several weeks occurred the night of February 3 in South Central Nebraska. By the morning of the 4th, as much as 10 inches of new snow had fallen in Greeley. North Loup reported 7 inches of snow.

Amounts throughout South Central Nebraska generally ranged from 1 to 4 inches, but new snow totals of 5 to 8 were common north and west of the Grand Island and Kearney areas. A rash of accidents was reported in the area on the snow and ice covered roads the morning of the 4th.

**NEZ039>041-046>049- Valley - Greeley - Nance - Sherman - Howard - Merrick - Polk - Dawson - Buffalo - Hall - Hamilton - York -  
060>064-072>077-082>087 Gosper - Phelps - Kearney - Adams - Clay - Fillmore - Furnas - Harlan - Franklin - Webster - Nuckolls -  
Thayer**

<b>05</b>	2100CST				0	0	0	0	<b>Winter Storm</b>
<b>07</b>	0400CST								

An weak upper level low pressure system teamed with some low level moisture and blanketed much of South Central Nebraska with 2 to 5 inches of snow. The town of Oxford recorded 5.3 inches of new snow from the storm. Numerous minor accidents were reported with the ice and snow covered roads.

**NEZ039>041-046>049- Valley - Greeley - Nance - Sherman - Howard - Merrick - Polk - Dawson - Buffalo - Hall - Hamilton - York -  
060>064-072>077-082>087 Gosper - Phelps - Kearney - Adams - Clay - Fillmore - Furnas - Harlan - Franklin - Webster - Nuckolls -  
Thayer**

<b>23</b>	1600CST				0	0	0	0	<b>Winter Storm</b>
<b>24</b>	1000CST								

An overnight snow dumped a narrow band of heavy snow along and just south of the Platte River valley in South Central Nebraska. Snow totals of 6 to 9 inches were common from Elwood and Holdrege to Polk. Aurora and Atlanta reported 9 inches of snow from the storm. Several schools were closed or started late the morning of February 24.

Lighter snow amounts, from 1 to 4 inches, were recorded along the periphery of the main snow band.

**NEZ077-085>087 Fillmore - Webster - Nuckolls - Thayer**

<b>26</b>	0600CST				0	0	0	0	<b>Winter Storm</b>
	2300CST								

A slow moving area of snow totaled 3 to 6 inches of snow over a small part of South Central Nebraska. Nuckolls and Thayer counties received the most snow, generally in excess of 6 inches. Hebron measured 9 inches of fresh snow.

A few schools closed early because of snow and several minor accidents occurred on the slick roads.

## NEBRASKA, West

NONE REPORTED.

## NEVADA, North

NONE REPORTED.

## NEVADA, South

NONE REPORTED.

## NEVADA, West

**NVZ003**

**Greater Reno/Carson City/Minden Area**

<b>08</b>	0000PST				0	0			<b>Heavy Snow</b>
	0210PST								

A weather spotter in southwest Reno reported 6.5 inches of snow in about a 2 hour period.

**NVZ003**

**Greater Reno/Carson City/Minden Area**

<b>08</b>	0000PST				0	0			<b>Heavy Snow</b>
	0545PST								

# Storm Data and Unusual Weather Phenomena

February 1997

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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## NEVADA, West

A weather spotter in the Galena Creek area reported 8 inches of snow in about 6 hours.

<b>NVZ003</b>	<b>Greater Reno/Carson City/Minden Area</b>				0	0					<b>Heavy Snow</b>
	08	0000PST 0600PST									

A weather spotter in south Reno measured 8 inches of snow overnight.

<b>NVZ003</b>	<b>Greater Reno/Carson City/Minden Area</b>				0	0					<b>Heavy Snow</b>
	08	0000PST 0600PST									

The Nevada Highway Patrol in Carson City reported 2-4 inches of snow in Carson City overnight with 4-6 inches in the foothills.

<b>NVZ002</b>	<b>Greater Lake Tahoe Area</b>				0	0					<b>Heavy Snow</b>
	08	0000PST 0600PST									

A weather observer at Incline Village measured about 8 inches of snow overnight.

## NEW HAMPSHIRE, North and Central

<b>NHZ004&gt;009</b>	<b>Northern Carroll - Southern Grafton - Southern Carroll - Sullivan - Merrimack - Belknap</b>				0	0					<b>Winter Storm</b>
	05	0100EST 1100EST									

A low pressure system moving through the upper Mississippi Valley to the Great Lakes and a developing low off the New England coast caused a mixture of winter precipitation throughout the state. Snowfall amounts ranged from about 6 inches in the north to over 9 inches in areas of central New Hampshire with lesser amounts in southern and coastal parts of the state where the snow changed to freezing rain and/or rain. Numerous accidents were reported throughout the state.

<b>Grafton County</b>					0	0					<b>Lightning</b>
<b>Lincoln</b>	22	1400EST									

A hiker climbing Mt. Liberty, near Franconia Notch in the White Mountains, was apparently indirectly struck by lightning when the main bolt of lightning struck nearby. The man was helped down the mountain by another hiker and was able to drive away on his own.

<b>Strafford County</b>					0	0					<b>Thunderstorm Wind (G55)</b>
<b>Countywide</b>	22	1500EST									

<b>Rockingham County</b>					0	0					<b>Thunderstorm Wind (G55)</b>
<b>Countywide</b>	22	1530EST									

Strong winds caused by convective showers and thunderstorms downed numerous trees throughout southeastern New Hampshire. The falling trees knocked down power lines cutting off electricity to an estimated 15,000 customers. The line of showers and thunderstorms developed ahead of an approaching cold front and also caused small hail in some communities. Record warmth preceded the line of showers with Concord reporting a high temperature of 67 degrees at 1:42 pm, breaking the previous record for the day of 57 degrees.

## NEW HAMPSHIRE, Southern

<b>Hillsborough County</b>					0	0					<b>Thunderstorm Wind (G50)</b>
<b>Lyndeborough to Pelham</b>	22	1500EST 1515EST									

A rare outbreak of out-of-season thunderstorms occurred after temperatures reached the mid to upper 60s and approached record high readings for February. A line of thunderstorms, some severe, moved through the county. In Pelham, trees and wires were knocked down and a few roads were blocked by debris. Witnesses reported that the wind sounded like a "freight train." Trees also were reported blown down in other towns, including: Greenfield, Milford, Wilton, Amherst, Mount Vernon, and Lyndeborough. Up to 6,500 electric customers lost power statewide.

## NEW JERSEY, Northeast

<b>Bergen County</b>					0	0					<b>Thunderstorm Wind (G50)</b>
<b>Unknown</b>	22	1315EST									

<b>Bergen County</b>					0	0					<b>Thunderstorm Wind (G50)</b>
<b>Unknown</b>	22	1345EST									

As a strong cold front approached the area, scattered showers and thunderstorms produced high damaging winds. In two separate occurrences, a tree was blown down onto a house and power lines were downed in Bergen County.

# Storm Data and Unusual Weather Phenomena

February 1997

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

**NJZ001**

**Sussex**

**04 1600EST**

**0      0**

**Wintry Mix**

**05 0100EST**

A wintry mix of snow, then sleet and freezing rain fell over Northwest New Jersey, particularly Sussex County from the late afternoon of the 4th through the very early morning of the 5th. Precipitation started as snow toward sunset on the 4th throughout much of the northern half of New Jersey. The change to plain rain occurred quickly south of Interstate 80 in the northern part of the state with accumulations generally less than an inch. The transition to plain rain though took much longer in Sussex County, especially in some of the deeper valleys. By 9 p.m. EST a change to sleet, freezing rain and even some rain had occurred across Sussex County. Warmer air overnight changed the precipitation over to plain rain during the early morning of the 5th and prevented an ice storm from occurring. Storm precipitation totals were close to one inch water equivalent. Snowfall accumulations prior to the changeover averaged around 2 inches. Accumulations included 2 inches in High Point, 1.6 inches in Wantage and 1 inch in Long Valley (Morris County). Untreated roads were slippery through the morning of the 5th.

A low pressure system developed in the Texas Panhandle the morning of the 3rd and moved northeast to Central Illinois by the morning of the 4th. Precipitation preceding its warm front overspread New Jersey. The low moved northeast into the Saint Lawrence Valley the morning of the 5th, a common storm track for this winter so far. A weak secondary low did develop along the warm frontal boundary over Southern New England on the morning of the 5th. This scenario sometimes prevents a complete change-over. In this instance the secondary development was too late, but was responsible for the lengthier change to plain rain in Sussex County.

**NJZ008>010-012-014>015-023>026**

**Morris - Hunterdon - Somerset - Middlesex - Eastern Monmouth - Mercer - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean**

**08 0700EST**

**0      0**

**Snow**

**09 0100EST**

**NJZ013-016>022**

**Western Monmouth - Salem - Gloucester - Camden - Burlington - Western Ocean - Cumberland - Western Atlantic**

**08 0700EST**

**0      0**

**Heavy Snow**

**09 0100EST**

Snow, heavy at time across most of Southern New Jersey, fell throughout the day on the 8th. For Southern New Jersey to date, this was the heaviest snow of the season with 6 inch accumulations common from Salem and Cumberland Counties northeast through Burlington and Monmouth Counties. Less snow fell farther northwest in New Jersey. Little if any snow fell in Warren and Sussex Counties, the usual snowiest places in the state. Snowfall accumulations were a little less right along the coast also as temperatures were above the freezing mark and rain mixed in at times. Snow started during the morning on the 8th and fell throughout the day. Snow fell heavy at times during the afternoon and early evening as two bands of heavier snow one from Salem County to Burlington County and a weaker one from northern Mercer County to Monmouth County moved through the area. All of the accumulating snow was over by just a little after midnight on the 9th. Since this snow fell on a Saturday, the number of accidents was reduced.

Representative accumulations from around the area included 6.5 inches in Washington Township (Gloucester County), 6.0 inches in Vineland (Cumberland County), Matawan (Monmouth County), Medford (Burlington County) and Pittsgrove (Salem County), 5.8 inches in Somerdale (Camden County), 5.1 inches in Mount Holly (Burlington County), 5.0 inches in Folsom (Atlantic County), Washington's Crossing (Mercer County) and Willingboro (Burlington County), 4.8 inches in Brick Township (Ocean County) and New Brunswick (Middlesex County), 4.0 inches in Trenton (Mercer County), Hammonton (Atlantic County) and Moorestown (Burlington County), 3.9 inches at the Atlantic City International Airport, 3.0 inches at Harvey Cedars (Ocean County) and Millville (Cumberland County), 2.5 inches at Cape May County Courthouse, 2.4 inches in Belle Mead (Somerset County), 2.3 inches in Chatham (Morris County), 2.0 inches in Lambertville (Hunterdon County) and Cape May and only a trace at Newton in Sussex County.

The low pressure system responsible for the heavy snow initially formed in the western Gulf of Mexico on the 7th. By the morning of the 8th, there were three separate centers, over Georgia, western North Carolina and near Cape Hatteras. These combined into one by the afternoon of the 8th. The low though moved fairly quickly out to sea. By 7 a.m. EST on the 9th, it was already about 450 miles east of Atlantic City. While its storm track placed the band of heaviest snow across Delmarva and Southern New Jersey, its fast movement prevented heavier accumulations from occurring.

**NJZ008>010-012>013-015>020**

**Morris - Hunterdon - Somerset - Middlesex - Western Monmouth - Mercer - Salem - Gloucester - Camden - Burlington - Western Ocean**

**14 0000EST**

**0      0**

**Wintry Mix**

**0700EST**

A high pressure system brought in a relatively cold and dry air mass into the Northeast on the 12th and 13th. Then a low pressure system travelled along the Eastern Seaboard and dropped a wintry mix of snow and freezing rain across Central and Southwest New Jersey through daybreak on the 14th. Precipitation started as snow throughout the area the night of the 13th/morning of the 14th. South winds above the ground brought in relatively warmer air and changed the snow to freezing rain between 4 and 7 a.m. EST. East winds near the surface then brought in warmer air and helped change the freezing rain to just plain rain during the morning commute. As is typically the case, the change to plain rain took the longest in the valley locations in Hunterdon, Morris and Somerset Counties. Accumulations prior to the change over averaged 2 inches in Morris County and 1.0 to 1.5 inches



# Storm Data and Unusual Weather Phenomena

February 1997

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

## NEW JERSEY, South and Northwest

**NJZ001-007>010-012>026**     **Sussex - Warren - Morris - Hunterdon - Somerset - 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**

28	2359EST				0	0			<b>Unseasonably Warm</b>
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February 1997 was an unseasonably warm month for the Middle Atlantic States including New Jersey. The monthly mean temperature of 41.3 degrees at the Marina within Atlantic City was 6.1 degrees above normal and tied for the third warmest February on record. Inland the mean temperature of 39.3 degrees at the Atlantic City International Airport was 6.3 degrees above normal and the 6th warmest February on record. Elsewhere, it was the 5th warmest February on record (35.6 degrees) at the Lehigh Valley International Airport. In Philadelphia, the monthly mean temperature of 40.0 degrees ( 7.0 degrees above normal) fell 0.1 of a degree short of being one of the ten warmest on record.

## NEW MEXICO, Central and North

**NMZ002-004-008-010**     **Northwest Mountains Including Jemez - Sangre De Cristo Mountains - Westcentral Mountains - Sandia/Manzano Mountains**

05	2100MST				0	0			<b>Heavy Snow</b>
06	1000MST								

Spotty heavy snow of 5-7 inches developed overnight across northern New Mexico. Numerous traffic accidents were reported early on the 6th with one fatality near San Felipe Pueblo when a man was struck and killed by another vehicle after he had escaped from the car he overturned on an snow packed curve.

**NMZ009**     **Middle Rio Grande Valley**

24	1542MST				0	0			<b>High Wind (G49)</b>
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East canyon winds produced gusts near 50 mph across Albuquerque.

**NMZ010>011-014-017**     **Sandia/Manzano Mountains - Central High Plains/Estancia Valley County - Southwest Mountains/Upper Gila Region - Capitan/Northern Sacramento Mountains**

25	0600MST				0	0			<b>Heavy Snow</b>
26	1200MST								

**NMZ002-004>005-008-010>011-014-016>017**     **Northwest Mountains Including Jemez - Sangre De Cristo Mountains - Northeast Highlands - Westcentral Mountains - Sandia/Manzano Mountains - Central High Plains/Estancia Valley County - Southwest Mountains/Upper Gila Region - Lincoln County High Plains/Hondo Valley - Capitan/Northern Sacramento Mountains**

27	0600MST				0	0			<b>Heavy Snow</b>
28	1000MST								

Several periods of winter storm conditions were recorded the 23rd through the 28th as Arctic air invaded the state and an upper low remained nearly stationary over Arizona. A mix of snow and freezing rain across the eastern plains created hazardous driving on the 24th which resulted in numerous accidents including two fatal crashes. With the low over Arizona, cold air rushed through the canyons as gusty winds along the central mountains. The upslope winds fueled bouts of heavy snow along the east slopes of the Sangre de Cristo and Sandia Mountains where snowfall averaged 20 inches. Gascon in Mora county reported 30 inches of snow in four days while Lake Maloya near Raton was packed with 47 inches of snow between the 23rd and the 27th.

## NEW MEXICO, South Central and Southwest

NONE REPORTED.

## NEW MEXICO, Southeast

NONE REPORTED.

## NEW YORK, Central

**NYZ009**     **Northern Onedia**

04	2200EST				0	0			<b>Heavy Snow</b>
05	0600EST								

A storm system moved northeast from the Ohio Valley into Michigan during the late afternoon and evening hours of the 4th. This system produced a mixed bag of wintery precipitation across central New York.

A period of heavy snow occurred in northern sections of Oneida county late at night on the 4th and into the early morning hours of the 5th before precipitation changed over to sleet and freezing rain. By daybreak on the 5th, 6 to 8 inches of snow and sleet had fallen over the northern half of the county. Specifically, Alder Creek reported 7.5 inches and Forestport got around 8 inches of new snow.

# Storm Data and Unusual Weather Phenomena

February 1997

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, Central

### **NYZ009**

#### **Northern Oneida**

14	0200EST				0	0			<b>Heavy Snow</b>
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A complex low pressure system, with one center in the Ohio Valley and another over Virginia late in the evening on the 13th, moved northeast and brought another round of mixed wintery precipitation to central New York.

Again, during the early morning hours of the 14th, several hours of heavy snow affected northern Oneida county before a change over to sleet, freezing rain, and rain. Snow and sleet accumulations ranged generally from 6 to 8 inches in the northern-most towns of the county. Forestport picked up 8 inches of snow with this event.

### **NYZ044>045**

#### **Cortland - Chenango**

16	1500EST				0	0			<b>Heavy Snow</b>
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An Alberta clipper type storm system raced eastward from the Ohio Valley and across Pennsylvania during the evening of the 16th. This system eventually moved off the New Jersey coast early on the morning of the 17th. It produced widespread snowfall across New York's southern tier.

A narrow east to west stripe of heavier snowfall occurred across sections of Cortland and Chenango counties. By daybreak on the 17th, 7 to 9 inches of snow had fallen in these areas. In Cortland county, East Homer and Cincinnatus received about 7 inches of snow, while Smithville Flats in Chenango county got 8 inches.

### **NYZ016-024-057**

#### **Seneca - Chemung - Delaware**

22	0930EST				0	0	20K		<b>High Wind</b>
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A well defined cold front produced strong gusty winds over much of central New York as it passed the region during the late morning and early afternoon hours of the 22nd. The most significant damage and highest wind gusts occurred in sections of the central southern tier, western Catskills, and Finger Lakes regions of New York.

A wind gust of 65 mph was recorded at the Elmira-Corning regional airport in Chemung county shortly after 930 am. In Seneca county, widespread power outages occurred in the late morning from downed trees and power lines. Across the higher terrain of Delaware county, state police personnel relayed reports of many trees and telephone poles lying across roadways. A skywarn spotter near Walton recorded a wind gust to 65 mph shortly after 12 noon.

### **Chenango County**

Afton to  
New Berlin

22	1011EST				0	0	10K		<b>Thunderstorm Wind</b>
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A line of fast moving thunderstorms developed ahead of a strong cold front which crossed central New York in the late morning and midday hours of the 22nd. Wind gusts with these storms produced damage across many parts of central and northern Chenango county. Numerous large trees and power lines were knocked down from Afton to New Berlin.

### **Oneida County**

Hinckley to  
Utica

22	1020EST				0	0	15K		<b>Thunderstorm Wind</b>
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The line of thunderstorms which produced wind damage across the northern half of Chenango county extended up into Oneida county as well with several additional wind damage reports. Many large trees and power lines were knocked over near Hinckley and also in and around the city of Utica.

### **NYZ018-036**

#### **Onondaga - Madison**

24	1600EST				0	0			<b>Heavy Snow</b>
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A cold Canadian air mass invaded central New York during the day on the 24th. As the cold air deepened from the afternoon hours into the evening and wind trajectories became more favorable, a heavy lake effect snow band developed southeast of Lake Ontario.

A single band persisted from late in the day on the 24th into the very early morning hours of the 25th. This band meandered across extreme northern Onondaga and Madison counties. Locally heavy amounts were reported in these areas. In Madison county, Oneida picked up 9 inches of new snow while Morrisville received about 7 inches. In Onondaga county, Baldwinsville got 7 inches.

## NEW YORK, Coastal

### **Westchester County**

Ossining

22	1230EST				0	0			<b>Thunderstorm Wind (G57)</b>
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As a strong cold front approached the area, scattered showers and thunderstorms caused high winds.

# Storm Data and Unusual Weather Phenomena

February 1997

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

<b>NYZ072</b>	<b>New York (Manhattan)</b>	<b>27 0800EST</b>			<b>1</b>	<b>10</b>			<b>Fog</b>
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Widespread dense fog along with rain-slicked roads caused a driver to lose control of the school minibus that he or she drove. The accident occurred on Harlem River Drive at 155th Street around 8 am. It resulted in 10 injuries and 1 death. ??VE

## NEW YORK, East

<b>NYZ033-042</b>	<b>Hamilton - Warren</b>	<b>04 1500EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>		<b>Winter Storm</b>
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During February 4 and 5, low pressure tracked from southern Lake Michigan northeast to the Saint Lawrence Valley. In Hamilton and Warren Counties, 4 to 8 inches of snow accumulated before the precipitation changed to sleet and freezing rain. Significant ice accumulation occurred during the morning hours of February 5. The rest of eastern New York only received a light accumulation of snow before the precipitation changed to rain.

<b>NYZ043</b>	<b>Washington</b>	<b>22 1100EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>		<b>Flood</b>
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Rapid snowmelt caused the Mettawee River in northern Washington County to flood. The river crested approximately 1 foot over flood stage at Granville. Flooding was minor with only one house affected by the flood waters.

<b>Herkimer County</b>	<b>Little Falls</b>	<b>22 1115EST</b>			<b>0</b>	<b>1</b>	<b>40K</b>		<b>Thunderstorm Wind</b>
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<b>Herkimer County</b>	<b>Salisbury Center</b>	<b>22 1125EST</b>			<b>0</b>	<b>0</b>	<b>4K</b>		<b>Thunderstorm Wind</b>
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<b>NYZ032&gt;033-038&gt;043-047&gt;054-058&gt;059-063&gt;066</b>	<b>Northern Herkimer - Hamilton - Southern Herkimer - Fulton - Montgomery - Northern Saratoga - Warren - Washington - Schoharie - Western Schenectady - Eastern Schenectady - Southern Saratoga - Western Albany - Eastern Albany - Western Rensselaer - Eastern Rensselaer - Western Greene - Eastern Greene - Western Ulster - Eastern Ulster - Western Dutchess - Eastern Dutchess</b>	<b>22 1130EST</b>			<b>0</b>	<b>0</b>	<b>219K</b>		<b>High Wind</b>
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<b>Hamilton County</b>	<b>Indian Lake</b>	<b>22 1140EST</b>			<b>0</b>	<b>0</b>	<b>8K</b>		<b>Thunderstorm Wind</b>
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<b>Montgomery County</b>	<b>St Johnsville</b>	<b>22 1140EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>		<b>Lightning</b>
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<b>NYZ052</b>	<b>Eastern Albany</b>	<b>22 1228EST</b>			<b>0</b>	<b>0</b>			<b>Record High</b>
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<b>Schoharie County</b>	<b>Jefferson</b>	<b>22 1239EST</b>			<b>0</b>	<b>0</b>	<b>4K</b>		<b>Thunderstorm Wind</b>
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On February 22, an intense area of low pressure moved from northern Indiana northeast to the Saint Lawrence Valley. High winds associated with this system produced damage across much of eastern New York during the afternoon. Scattered thunderstorms also developed ahead of the cold front. These thunderstorms were severe in Herkimer, Hamilton and Schoharie Counties. In Herkimer County at Little Falls, thunderstorm winds flipped over a trailer and totally destroyed it. One woman was trapped inside and sustained head and internal injuries. In Hamilton County at Indian Lake, severe thunderstorms produced winds estimated at 60 to 70 miles an hour. Numerous trees and power lines were ripped down and hail covered the ground. In Montgomery County at Saint Johnsville, lightning severely damaged a home. In Saratoga and Warren Counties, numerous trees were downed by the wind. In Warren County at Glens Falls and Warrensburg, damaging winds downed trees on several homes. State Highway 9N north of Corinth was closed for six hours due to downed trees and power lines. Also in Corinth a tree fell on a mobile home. At Union College in Schenectady, a 100 foot light pole was knocked over at the football field. Scattered power outages also occurred with the high winds. In Saratoga County over 2,500 customers lost power and across the Mid-Hudson valley approximately 6,500 customers lost power. In Ulster County, wires were downed by the wind in the Towns of Esopus, Lloyd and Shawangunk. At High Falls, two utility poles fell across State Highway 213. In Dutchess County, trees and wires were down in the the Villages of Millbrook, Red Hook and La Grange. In Albany County at Rensselaerville, a roof was torn off a barn. In Hamilton County at Lake Pleasant, a roof was blown off an industrial building. The southerly winds in advance of the cold front brought record breaking temperatures to many locations in the northeast. At the Albany County Airport, the mercury reached 68 degrees during the early afternoon. This was the warmest temperature ever observed in February. The old record for the month was 67 degrees set in 1976.

<b>NYZ052</b>	<b>Eastern Albany</b>	<b>27 1724EST</b>			<b>0</b>	<b>0</b>			<b>Record High</b>
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A strong southerly flow in advance of a Great Lakes low resulted in a new record high at the Albany County Airport. The temperature reached 61 degrees at 524 PM. The previous record for this date was 56 degrees set in 1880.

# Storm Data and Unusual Weather Phenomena

February 1997

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, East

**NYZ041**

**Northern Saratoga**

27	2000EST 2300EST				0	0	8K		<b>High Wind</b>
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A deep low pressure system over the upper Great Lakes produced strong winds across eastern New York on the evening of February 27. In northern Saratoga County at Corinth, high winds downed trees and power lines. Approximately 3,000 customers lost power for several hours in the northern part of the county.

**Fulton County**

**Village Dolgeville**

28	0730EST 1900EST				0	0	2K		<b>Flash Flood</b>
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**Herkimer County**

**Dolgeville**

28	0730EST 1900EST				0	0	4K		<b>Flash Flood</b>
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An ice jam developed during the morning of February 28 along the East Canada Creek at the State Highway 29 bridge in the Village of Dolgeville. The water backed up into the cellars of nearby buildings. The ice jam broke up during the late afternoon without any further flooding downstream.

## NEW YORK, North

**NYZ026>029-031-035**

**Northern St. Lawrence - Northern Franklin - Northeast Clinton - Southern St. Lawrence - Southwest Clinton - Eastern Essex**

04 05	2100EST 1100EST				0	0	60K		<b>Light Snow</b>
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A storm system developed over the Mississippi Valley on Tuesday (2/4/97) and moved northeast through the Eastern Great Lakes late Tuesday night and then across Northern New England Wednesday (2/5/97).

In general, between 3 and 6 inches of snow fell across much of Northern NY with locally heavier amounts falling in portions of the Adirondacks.

**NYZ030-034**

**Southern Franklin - Western Essex**

04 05	2100EST 1100EST				0	0	25K		<b>Winter Storm</b>
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A storm system developed over the Mississippi Valley on Tuesday (2/4/97) and moved northeast through the Eastern Great Lakes late Tuesday night and then across Northern New England Wednesday (2/5/97).

In general, between 3 and 6 inches of snow fell across much of Northern NY with locally heavier amounts falling in portions of the Adirondacks. The heaviest snowfall reported was 6 inches in Newcomb, NY (Essex County).

**NYZ026-030-034**

**Northern St. Lawrence - Southern Franklin - Western Essex**

14	0900EST 1700EST				0	0	25K		<b>Light Snow</b>
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An area of low pressure moved northeast along the Atlantic Coast Friday (2/14/97) and passed across Southern New England Friday evening. The heaviest snow in this area fell in portions of Essex County where between 3 and 6 inches accumulated. Otherwise, 3 inches or less fell in Northern New York.

The heaviest snowfall reported was 5 inches in Newcomb, NY (Essex County).

**NYZ026**

**Northern St. Lawrence**

21	0100EST 0700EST				0	0	5K		<b>Freezing Drizzle</b>
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Cold air trapped at the surface resulted in a period of freezing drizzle across northern portions of St Lawrence county. The airport at Massena, NY was closed for several hours.

**NYZ026-028>031-034>035**

**Northern St. Lawrence - Northeast Clinton - Southern St. Lawrence - Southern Franklin - Southwest Clinton - Western Essex - Eastern Essex**

22	1100EST 1300EST				0	0	100K		<b>High Wind (G70)</b>
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A storm system developed over the Missouri Valley region Friday (2/21/97) and moved northeast through the eastern Great Lakes region early Saturday (2/22/97) and then across northern New York during Saturday (2/22/97).

The associated strong cold front moved across the area during the late morning and early afternoon. Strong gusty winds accompanied and followed the front with some trees and power lines blown down. The most concentrated reports of trees and wires down due to strong winds were in Massena (St Lawrence County), the Plattsburgh area (Clinton County), Upper Jay and Lake Placid (Essex County) and southern Franklin County.

# Storm Data and Unusual Weather Phenomena

February 1997

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, West

### **Erie County**

#### **West Seneca**

<b>05</b>	<b>0630EST</b>	<b>1400EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>		<b>Flash Flood</b>
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An ice jam on the Cazenovia Creek was already in place. Runoff from the previous night's rainfall rose behind the jam causing flooding along the creek. A few roads were closed because of the flood waters. Basement flooding was also reported.

### **Monroe County**

#### **Brighton**

<b>05</b>	<b>0754EST</b>	<b>0845EST</b>			<b>0</b>	<b>0</b>	<b>4K</b>		<b>Flash Flood</b>
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An earthen dam gave way causing flood waters to spill onto roadways and several backyards.

### **Erie County**

#### **Buffalo**

<b>19</b>	<b>2200EST</b>	<b>20</b>			<b>0</b>	<b>0</b>	<b>8K</b>		<b>Flash Flood</b>
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An ice jam already in place caused a backup of runoff from heavy rains along Cazenovia Creek. The flood waters resulted in closed roads and forced evacuations.

### **Erie County**

#### **Buffalo**

<b>20</b>	<b>0030EST</b>	<b>0500EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>		<b>Flash Flood</b>
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Flooding along Cazenovia Creek continues.

## **NYZ001>008-010>012-019>021** **Niagara - Orleans - Monroe - Wayne - Northern Cayuga - Oswego - Jefferson - Lewis - Erie - Genesee - Wyoming - Chautauqua - Cattaraugus - Allegany**

<b>22</b>	<b>0855EST</b>	<b>1700EST</b>			<b>1</b>	<b>1</b>	<b>1.8M</b>		<b>High Wind (G61)</b>
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A strong cold front cross the region during the morning hours. Temperatures dropped 40 to 45 degrees with the passage of the front. The funnelling effect of the Great Lakes combined with rapid pressure rises behind the front to produce hazardous winds. Trees, power lines and poles were downed across the entire area. Hundreds of thousands were left without power. Reports of homes and autos damaged by the falling trees and limbs were numerous. The strong winds caused structure damage in some locations tearing off roofs and shingles, blowing out windows, and collapsing walls. Air travel from the Buffalo and Rochester airports was interrupted. A 54 year old volunteer fireman was killed in Spencerport while responding to an emergency call when a large tree fell on the car crushing him. His 15 year old son also riding in the car suffered injuries. Reported gusts included: 61 knots at Rochester, 58 knots at Watertown, 53 knots at Buffalo and 51 knots at Niagara Falls. M54VE

## **NYZ006**

### **Oswego**

<b>24</b>	<b>0200EST</b>	<b>1600EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>		<b>Heavy Snow</b>
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A strong west to northwest flow developed behind a fast moving cold front which gave a general one to three inch snowfall to the area. An intense single band of lake effect snow then set up downwind of Lake Ontario. Snowfall rates of two inches per hour were common within this band. Snowfall totals were as much as 12" in Oswego and 8-12" over much of the county.

## **NYZ001>008-010>014-019>021** **Niagara - Orleans - Monroe - Wayne - Northern Cayuga - Oswego - Jefferson - Lewis - Erie - Genesee - Wyoming - Livingston - Ontario - Chautauqua - Cattaraugus - Allegany**

<b>27</b>	<b>1030EST</b>	<b>2100EST</b>			<b>0</b>	<b>9</b>	<b>1.2M</b>		<b>High Wind (G70)</b>
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Deep low pressure moved from Indiana to Ontario bringing high winds to the area. The strong winds downed trees and telephone and power lines. Power outages were reported throughout the area. Several cities and towns declared States of Emergency because of the prolonged lack of power. Windows were blown out of buildings. The strong winds caused structure damage in some locations tearing off roofs and sidings and collapsing walls. Homes and autos were damaged by falling limbs. Air travel at the Buffalo airport was disrupted and several flights were rerouted. An electric lineman was injured in Perinton, Monroe County, when he was knocked from a pole by a falling tree. In Grand Island, Erie County, three people suffered cuts from flying glass when a plate glass window was blown in at an ice cream shop. In Lockport, Niagara County, two teenage boys were injured when they were struck by a falling tree. Tractor trailers were blown over in Batavia, Brighton, Grand Island and Darien. The drivers of those trucks suffered minor injuries. Specific gusts reported included: 70 knots at Niagara Falls, 65 knots at Rochester, and 50 knots at Batavia

## NORTH CAROLINA, Central

### **NCZ021>022-038>039** **Forsyth - Guilford - Davidson - Randolph**

<b>13</b>	<b>1400EST</b>				<b>0</b>	<b>0</b>			<b>Winter Storm</b>
<b>14</b>	<b>1600EST</b>								

PRECIPITATION DEVELOPED RAPIDLY OVER CENTRAL NORTH CAROLINA DURING THE EVENING OF THE 13TH. CLASSIC COLD AIR DAMMING ASSOCIATED WITH A COLD SURFACE HIGH OVER NEW ENGLAND AND AN APPROACHING WEAK SURFACE LOW PRESSURE AREA OVER THE GULF COAST STATES GAVE SNOW TO THE NORTHWEST SECTIONS OF THE PIEDMONT AROUND WINSTON-SALEM. TO THE SOUTH AND EAST, A MIXTURE OF SNOW AND SLEET CHANGED TO FREEZING RAIN IN A NARROW BAND FROM LEXINGTON TO GREENSBORO TO BURLINGTON AND ROXBORO. ACCUMULATIONS OF 2 TO 3 INCHES OF SNOW FELL OVER FORSYTH COUNTY BEFORE CHANGING TO SLEET. ACCUMULATIONS OF 1 TO 2 INCHES OF SNOW FROM

# Storm Data and Unusual Weather Phenomena

February 1997

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

LEXINGTON TO GREENSBORO TO ROXBORO CHANGED TO SLEET AND FREEZING RAIN OVERNIGHT WITH ACCUMULATIONS OF 1/4 TO 3/8 OF AN INCH OF GLAZE. THIS CREATED PACKED ICY ROAD CONDITIONS FOR THE WESTERN AND NORTHERN PIEDMONT AND CAUSED SEVERAL THOUSAND POWER OUTAGES. TEMPERATURES RANGED IN THE UPPER 20S TO LOWER 30S DURING THE EVENT.

### **Anson County** **White Store**

21	1750EST				0	0			Thunderstorm Wind (G50)
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Trees down near Ansonville and White Store.

### **Stanly County** **Albemarle**

21	1750EST				0	0			Thunderstorm Wind (G50)
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Trees and power lines down on the west side of Albemarle.

### **Montgomery County** **Badin Lake**

21	1845EST				0	0			Thunderstorm Wind (G50)
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Trees and power lines down in the Badin Lake area of northwest Montgomery county.

### **Randolph County** **Red Cross**

21	1855EST				0	0			Thunderstorm Wind (G50)
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Trees down in the Red Cross community.

### **Wake County** **Rdu Airport**

21	1956EST				0	0			Thunderstorm Wind (G56)
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Winds gusted to 56 knots at the Raleigh-Durham International Airport at 1956. Reported by the RDU ASOS site.

### **Harnett County** **1 E Dunn**

21	2005EST				0	0			Thunderstorm Wind (G50)
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A tractor trailer was blown off I-95 and on its side in the Dunn community. Several trees were blown down in the area of eastern Harnett county.

## NORTH CAROLINA, Central Coastal

### **NCZ045>047-080>081-092>095-098** Washington - Tyrrell - Western Dare - Beaufort - Western Hyde - Jones - Craven - Pamlico - Carteret - Onslow

10	1200EST				0	0			Winter Storm
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A dusting to an inch of snow fell across coastal sections causing numerous minor accidents. Power was out in portions of Dare County when an 80-foot pine fell on power lines. Many schools began about 2 hours late.

### **Craven County** **5 S Vanceboro**

14	0430EST				0	0			Thunderstorm Wind (G51)
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### **Dare County** **Manteo**

14	0500EST				0	0			Hail (1.75)
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### **Onslow County** **Sneads Ferry**

15	0038EST				0	0			Thunderstorm Wind (G51)
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Large tree branches blown down.

### **Jones County** **7 S Maysville**

15	0115EST				0	0			Thunderstorm Wind (G51)
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Six trees blown down off Highway 58.

### **Carteret County** **Stella**

15	0120EST				0	0			Thunderstorm Wind
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Trees down on house.

### **Craven County** **1 NW Havelock**

15	0125EST				0	0	10K		Thunderstorm Wind
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Billboard blown down along Highway 70. Trees down within Marine Corps Air Station. Twenty foot trampoline hurled onto roof of a home puncturing holes in the roof. Several homes had shingles stripped off, fences blown down and mail boxes blown away.

### **Carteret County** **5 NW Newport**

15	0130EST				0	0			Thunderstorm Wind (G51)
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Trees down along Lake Road in Newport.

### **Duplin County** **Warsaw**

21	2120EST				0	0	20K		Thunderstorm Wind
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### **Duplin County** **Warsaw**

21	2128EST				0	0			Thunderstorm Wind (G51)
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# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property Crops	Character of Storm
<b><u>NORTH CAROLINA, Central Coastal</u></b>								
<b>Lenoir County</b>								
Kinston	21	2130EST			0	0	15K	Thunderstorm Wind
<b>Pitt County</b>								
5 W Greenville	21	2140EST			0	0		Thunderstorm Wind (G52)
Roof blown off house, an outbuilding destroyed and trees down across Highway 117 in Warsaw. Roof also blown off a home in Kinston.								
<b><u>NORTH CAROLINA, Extreme Southwest</u></b>								
<b>Cherokee County</b>								
Tomotla & Murphy	28	0930EST 1030EST			0	0		Flash Flood
Valley River near Tomotla out of its' banks with various small tributaries flooding. Several small streams near Murphy at bankfull with some overflowing.								
<b><u>NORTH CAROLINA, North Coastal</u></b>								
<b>NCZ016&gt;017 Camden - Western Currituck</b>								
	10	1700EST 2100EST			0	0		Snow
Low pressure off the Mid-Atlantic coast produced a backlash snowfall of 1 to 3 inches across parts of Currituck and Camden counties during Monday evening, February 10th.								
<b><u>NORTH CAROLINA, Northwest and North Central</u></b>								
<b>NCZ001&gt;003-018&gt;019 Ashe - Alleghany - Surry - Watauga - Wilkes</b>								
	13	1300EST 2100EST			0	0		Heavy Snow
Snow accumulated from 3 to 5 inches across most of northwestern North Carolina during the afternoon and evening hours on the 13th. Slippery road conditions resulted in numerous traffic accidents and a few injuries.								
<b>Wilkes County</b>								
Mcgrady	19	1600EST 1601EST			0	0	10K	Dust Devil
A dust devil damaged half a chicken house in McGrady during the afternoon hours on the 19th.								
<b><u>NORTH CAROLINA, South Coastal</u></b>								
<b>Brunswick County</b>								
1 NW Supply	14	2350EST 2355EST			0	0		Thunderstorm Wind (G50)
Large pine tree down on Green Swamp Rd.								
<b>Pender County</b>								
3 S Rocky Pt	15	0012EST 0015EST			0	0		Thunderstorm Wind (G50)
Power lines down near Rocky Point at the intersection of US117 and Highway 133.								
<b>Pender County</b>								
3 W Hampstead	15	0025EST 0030EST			0	0		Thunderstorm Wind (G50)
Trees down								
<b><u>NORTH CAROLINA, Southwest</u></b>								
<b>NCZ049&gt;050-053 Yancey - Mitchell - Buncombe</b>								
	10	0800EST 1500EST			0	0		Snow
High elevation snow accumulated 1 to 2 1/2 inches.								
<b>NCZ059-062 Northern Jackson - Macon</b>								
	13	0600EST 1000EST			0	0		Snow
<b>NCZ049-053&gt;055-064&gt;070 Yancey - Buncombe - McDowell - Burke - Transylvania - Henderson - Polk - Rutherford - Cleveland - Lincoln - Gaston</b>								
	13	1000EST 1500EST			0	0		Winter Storm

# Storm Data and Unusual Weather Phenomena

February 1997

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

## NORTH CAROLINA, Southwest

**NCZ034>037-056>057-068>071-082 Caldwell - Alexander - Iredell - Davie - Catawba - Rowan - Cleveland - Lincoln - Gaston - Mecklenburg - Union**

13	1500EST				0	0			Ice Storm
	2200EST								

A winter storm brought a variety of weather woes to western and central North Carolina. Snow in the mountains gradually became heavy as it spread east with the highest accumulations in the higher elevations west and north of Asheville. Four to six inches fell with similar amounts in the mountainous parts of the foothill counties. Several inches fell in parts of the piedmont with up to 3 1/2 inches around Cherryville. In the foothills and piedmont the snow changed to a sleet storm during the afternoon with several inches accumulations. Around Charlotte and Monroe freezing rain during the evening caused scattered power outages.

<b>Macon County</b>									
<b>Near Highlands</b>	21	1535EST			0	0			Thunderstorm Wind (G50)
		1540EST							

<b>Transylvania County</b>									
<b>Pisgah Forest</b>	21	1550EST			0	0			Thunderstorm Wind (G50)
		1555EST							

<b>Henderson County</b>									
<b>Fletcher</b>	21	1606EST			0	0			Thunderstorm Wind (G50)
		1611EST							

<b>Henderson County</b>									
<b>Etowah</b>	21	1618EST			0	0			Thunderstorm Wind (G50)
		1623EST							

<b>Cleveland County</b>									
<b>Boiling Springs</b>	21	1720EST			0	0			Thunderstorm Wind (G50)
		1725EST							

<b>Gaston County</b>									
<b>1 SW Crowders to Belmont</b>	21	1722EST	15	200	0	0	250K		Tornado (F1)
		1735EST							

<b>Cleveland County</b>									
<b>Grover</b>	21	1729EST			0	0			Thunderstorm Wind (G50)
		1734EST							

<b>Catawba County</b>									
<b>Hickory to 10 E Hickory</b>	21	1732EST			0	0			Thunderstorm Wind (G50)
		1742EST							

<b>Gaston County</b>									
<b>2 N Gastonia</b>	21	1735EST			0	0			Thunderstorm Wind (G52)
		1740EST							

<b>Iredell County</b>									
<b>West Central</b>	21	1735EST			0	0			Thunderstorm Wind (G50)
		1745EST							

<b>Lincoln County</b>									
<b>5 W Lincolnton</b>	21	1738EST			0	0			Thunderstorm Wind (G50)
		1743EST							

<b>Mecklenburg County</b>									
<b>South Charlotte</b>	21	1740EST			0	0	25K		Thunderstorm Wind (G50)
		1745EST							

<b>Mecklenburg County</b>									
<b>5 E Charlotte</b>	21	1745EST			0	0			Thunderstorm Wind (G50)
		1750EST							

<b>Union County</b>									
<b>7 W Monroe</b>	21	1800EST			0	0			Thunderstorm Wind (G50)
		1805EST							

<b>Davie County</b>									
<b>Advance</b>	21	1810EST			0	0			Thunderstorm Wind (G50)
		1815EST							

<b>Union County</b>									
<b>Marshville</b>	21	1815EST			0	0			Thunderstorm Wind (G50)

Rapidly moving, low-topped convection moved from northern Georgia and Upstate South Carolina across parts of the mountains and foothills and into the piedmont. Most of the damage resulted from damaging winds in short line segments. However, a strong F1 tornado managed to spin up along the SC/NC border and moved across the southern and eastern parts of Gaston county. By far,

# Storm Data and Unusual Weather Phenomena

February 1997

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

## NORTH CAROLINA, Southwest

the most significant damage occurred in this area. Several structures were severely damaged or destroyed directly by the wind including a church, a swim club bathhouse, and several homes. Damage in other parts of the Charlotte metro area was notable, but in most cases was the result of trees falling on structures. Most of the reported damage listed above was downed trees and power lines. Roofs were reported damaged in at least one section of the southern part of Charlotte. There were no reports of hail, and very little, if any, thunder reported east of the mountains.

### **Haywood County**

<b>Southern Half</b>	28	1015EST 1300EST			0	0			<b>Flash Flood</b>
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### **Haywood County**

<b>Maggie Valley to Countywide</b>	28	1200EST 1500EST			0	0			<b>Flash Flood</b>
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### **Jackson County**

<b>Sylva</b>	28	1200EST 1500EST			0	0			<b>Flash Flood</b>
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### **Jackson County**

<b>East Of Sylva</b>	28	1350EST 1500EST			0	0			<b>Flash Flood</b>
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Jonathan, Cove and Scott creeks and other small streams flooded quickly after thunderstorms dumped heavy rainfall on saturated ground. No serious property damage was reported although some roads were closed.

## NORTH DAKOTA, Central and West

NONE REPORTED.

## NORTH DAKOTA, East

NONE REPORTED.

## OHIO, East

### **OHZ057**

### **Muskingum**

27	1050EST			0	0			<b>High Wind (G50)</b>
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A strong, fast moving cold front with strong winds moved through east central Ohio. A gust to 58 miles per hour was recorded at the Zanesville Municipal Airport.

## OHIO, North

### **OHZ009**

### **Erie**

04	2000EST			0	0	75K		<b>Flood</b>
05	2000EST							

The Huron River at Milan exceeded its flood stage of 14 feet and crested at 16.6 feet at 1150 EST on 02/05/97. Flooding occurred in the lagoon communities from Milan to near Huron, with some cottages and homes surrounded by water.

### **OHZ008**

### **Sandusky**

06	0600EST 1330EST			0	0			<b>Flood</b>
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The Portage River at Woodville exceeded its flood stage of 9 feet and crested at 9.5 feet at 0645 EST on 02/06/97. Flooding was confined to lowland areas including Trail Marker Park.

### **OHZ036**

### **Marion**

06	1330EST			0	0			<b>Flood</b>
07	2130EST							

The Scioto River at Prospect exceeded its flood stage of 9 feet and crested at 9.4 feet at 2050 EST on 02/06/97. Flooding made Highway 203 north of Water Street impassable. There was also some minor flooding of Elm Street.

### **OHZ007>014-**

### **019>023-029>033-038**

### **Ottawa - Sandusky - Erie - Lorain - Cuyahoga - Lake - Geauga - Ashtabula - Huron - Medina - Summit -**

### **Portage - Trumbull - Richland - Ashland - Wayne - Stark - Mahoning - Holmes**

21	1030EST 1830EST			0	0	20K		<b>High Wind (G58)</b>
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Trees, branches, power lines and structures were downed or damaged in several locations in Northern Ohio. A 660 foot chicken house, under construction off Township Road 80 near Millersburg (Holmes County), collapsed. In Stark County, shingles were blown off of roofs. A wind gust of 67 miles per hour was measured at Lost Nation Airport (Lake). In Ashland (Ashland), winds were estimated as gusting to 65 miles per hour and in Green (Summit) winds were estimated gusting to 60 miles per hour.

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
	Date			Killed	Injured	Property	Crops	
<b>OHIO, North</b>								
<b>OHZ011&gt;014-021&gt;023-031&gt;033-038</b>	<b>Cuyahoga - Lake - Geauga - Ashtabula - Summit - Portage - Trumbull - Wayne - Stark - Mahoning - Holmes</b>							
	22	0213EST		0	0	9K		High Wind (G50)
		0635EST						
	Trees, limbs and power lines were downed in several locations, especially around Mentor (Lake County), and Gates Mills and Solon (Cuyahoga). Winds were estimated at 58 miles per hour in Garfield Heights (Cuyahoga). In Millersburg (Holmes), three high tension power lines were downed, causing power outages and fires in the woods around the power lines.							
<b>Ashtabula County</b>								
<b>Andover</b>	22	0300EST		0	0	2K		Thunderstorm Wind (G50)
	Trees and power lines were downed.							
<b>Gauga County</b>								
<b>Northern Third</b>	22	0308EST		0	0	2K		Thunderstorm Wind (G50)
	Trees and power lines were downed, especially in the areas of Chardon and Montville.							
<b>Cuyahoga County</b>								
<b>Hunting Valley</b>	22	0315EST		0	0	1K		Thunderstorm Wind (G50)
	Numerous power lines were downed.							
<b>OHZ003</b>	<b>Lucas</b>							
	22	1150EST		0	0			Flood
	23	1025EST						
	The Maumee River at Waterville exceeded its flood stage of 9 feet and crested at 9.1 feet at 1900 EST on 02/22/97. There was minor flooding of low lying areas.							
<b>OHZ002&gt;003-005&gt;014-017&gt;023-027&gt;033-036&gt;038-047</b>	<b>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</b>							
	27	0015EST		0	0	180K		High Wind (G57)
		1306EST						
	Trees, limbs and power lines were downed, vehicles were damaged and structures were damaged or destroyed. In Auburn Township (Gauga County), a 250 gallon oil tank was blown over. The oil made its way to a creek, and the EPA worked to contain it before it reached Beantown Lakes. Just east of McClure (Henry), the metal roof was blown off a building. In Sandusky County, a tree fell on a house in Helena, a storage building was blown down in Hessville and wind gusts of 62 miles per hour were reported at Fremont Progress Airport. In Cuyahoga County, a wind gust of 64 miles per hour was reported in Garfield Heights. A semi truck was blown over near the Edison Bridge in Sandusky (Erie). A tree fell on a house in Lexington (Richland). The roof was blown off a house in Hayesville (Ashland), and in Stark County a tree fell on a car. A 66 mile per hour wind gust was reported at Kent (Portage), and a gust of 63 miles per hour was reported in Luckey (Wood).							
<b>Lorain County</b>								
<b>Countywide</b>	27	0300EST		0	0	50K		Flash Flood
	Heavy thunderstorm rain caused flooding of streets, basements and low lying areas. Some streets were covered by up to two feet of water and many were closed.							
<b>OHZ012</b>	<b>Lake</b>							
	27	0620EST		0	0	50K		Flood
		1300EST						
	The Chagrin River at Willoughby exceeded its flood stage of 11 feet and crested at 14.0 feet at 0730 EST on 02/27/97. Flooding occurred along the northern section of Trailard, Milan Drive and Chagrin Drive and Daniels Park was closed due to high water. Several basements were flooded in Eastlake.							
<b>Lucas County</b>								
<b>South Toledo</b>	27	0750EST		0	0	50K		Flash Flood
	Heavy thunderstorm rain caused flooding of basements and low lying areas. A local industrial firm sustained \$25,000 damage.							
<b>Hancock County</b>								
<b>Countywide</b>	27	0755EST		0	0			Flash Flood
	Heavy thunderstorm rain caused flooding of roads and low lying areas. Many roads were closed.							
<b>OHZ017</b>	<b>Hancock</b>							
	27	0900EST		0	0	50K		Flood
	28	2140EST						
	The Blanchard River at Findlay exceeded its flood stage of 11 feet and crested at 13.4 feet at 0543 EST on 02/28/97. Flooding occurred at the sewage plant, the downtown area, and residences near Eagle Rd. and Lyle Creeks.							
<b>Gauga County</b>								
<b>Bainbridge</b>	27	1045EST		0	0	2K		Flash Flood
	Heavy thunderstorm rain caused flooding of streets and low lying areas. The water was two feet deep on River Road. The floors of the Eagle Aerie clubhouse were covered by three to six inches of water.							

# Storm Data and Unusual Weather Phenomena

February 1997

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

## OHIO, North

**OHZ011**

**Cuyahoga**

27 1845EST  
28 1740EST

0      0

**Flood**

The Cuyahoga River at Independence exceeded its flood stage of 16 feet and crested at 16.3 feet at 2045 EST on 02/27/97. Minor flooding occurred in low lying areas.

**OHZ008**

**Sandusky**

27 2000EST  
28 2359EST

0      0

**10K**

**Flood**

The Portage River at Woodville exceeded its flood stage of 9 feet and crested at 12.9 feet at 0945 EST on 02/28/97. Flooding affected residences along Riverside Drive and the eastern end of Erie St. Flooding continued through 03/02/97.

**OHZ036**

**Marion**

27 2045EST  
28 2140EST

0      0

**Flood**

The Scioto River at Larue exceeded its flood stage of 11 feet and crested at 11.6 feet at 0543 EST on 02/28/97. Minor flooding was confined to low lying areas.

**OHZ006**

**Wood**

27 2359EST  
28 2359EST

0      0

**25K**

**Flood**

The Portage River in Pemberville overflowed its banks, causing flooding of streets, basements, the parking lot for downtown businesses and low lying areas. The Freedom Township Hall and maintenance building were also flooded.

**OHZ006**

**Wood**

28 1800EST  
2359EST

0      0

**5K**

**Flood**

The Maumee River at Grand Rapids exceeded its flood stage of 15 feet and crested at 16.9 feet at 1555 EST on 03/01/97. Flooding was mostly confined to low lying areas, although the business district did experience some minor flooding. Flooding continued through 03/02/97.

## OHIO, Northwest

NONE REPORTED.

## OHIO, Southeast

**OHZ066>067-075>076-083>087**

**Perry - Morgan - Athens - Washington - Jackson - Vinton - Meigs - Gallia - Lawrence**

21 1200EST  
2000EST

0      0

**Record Warmth**

Afternoon temperatures reached into the 70 to 75 degree range. For example, Jackson, McConnelsville, Carpenter, and New Lexington all reported 73 degrees. In Washington County, Marietta observed 74 degrees, while Newport had 75 degrees.

## OHIO, Southwest

**OHZ081**

**Adams**

04 1630EST  
2230EST

0      0

**Flood**

The Ohio Brush Creek came out of its banks near West Union and reached a crest of 15.7 feet at 700 pm on the 4th. No major flooding problems occurred. Flood stage is 15.0 feet.

**OHZ082-088**

**Pike - Scioto**

08 0000EST  
0800EST

0      0

**Heavy Snow**

A weak low pressure system moved across the southern Ohio valley. Some parts of Scioto and Pike counties received 4 inches of snow.

**OHZ015>016-024>025-034**

**Paulding - Putnam - Van Wert - Allen - Mercer**

27 2300EST  
28 2359EST

0      0

**Flood**

Persistent heavy rainfall across West-Central Ohio brought area rivers, including the Blanchard, Maumee, Auglaize, and St. Mary's rivers, out of their banks. The Blanchard river at Ottawa reached a peak of 26.5 feet on the 28th, which caused flooding of farmland and several city streets. Flood stage is 23.0 feet. The flooding continued into early March.

## OKLAHOMA, Eastern

**Le Flore County**

Countywide

20 1900CST  
1930CST

0      0

**Flash Flood**

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>OKLAHOMA, Eastern</u></b>									
<b>Latimer County</b> Countywide	20	1900CST 1930CST			0	0			Flash Flood
<b>Le Flore County</b> Heavener	20	1924CST			0	0	50K		Thunderstorm Wind (G61)
<b>Le Flore County</b> Cameron	20	1945CST			0	2	120K		Thunderstorm Wind
<b>Le Flore County</b> Pocola	20	1950CST	0.1	30	0	0			Tornado (F0)
<b>Le Flore County</b> Pocola	20	1952CST			0	4	540K		Thunderstorm Wind (G78)
<b>Sequoyah County</b> Moffett	20	2000CST			0	0	0.10K		Thunderstorm Wind
<b>Haskell County</b> South Of Stigler	20	2000CST 2030CST			0	0			Flash Flood
<b>Haskell County</b> East Of Keota	20	2000CST 2030CST			0	0			Flash Flood
<b>Pittsburg County</b> Haywood	20	2000CST 2030CST			0	0			Flash Flood
<b>Sequoyah County</b> Countywide	20	2000CST 2030CST			0	0			Flash Flood
<b>Adair County</b> Westville	20	2050CST			0	0	0.10K		Thunderstorm Wind
<b>Adair County</b> Nr Westville	20	2100CST 2130CST			0	0	30K		Flash Flood

A cluster of severe thunderstorms moved north northeast across extreme eastern Oklahoma during the evening of February 20th and produced considerable wind damage along their path. 1 brief tornado also occurred in Le Flore County. The tornado was about 30 yards wide and touched down briefly on the southwest side of Pocola at 1950CST. About a half-dozen trees were uprooted by this F0 tornado, but no structural damage was associated with the tornado. Strong straightline winds were responsible for most of the damage caused by the storms. In Le Flore County, 70 mile an hour winds in Heavener damaged mobile homes and blew trees down. Strong winds damaged houses and the Post Office in Cameron. 2 persons were injured in Cameron, 1 of them seriously. Thunderstorm winds estimated at 90 miles an hour in Pocola did much more damage than was caused by the weak tornado there. The winds caused substantial damage to 20 homes and major damage to 3 other homes. 2 mobile homes were destroyed in Pocola, and a tractor-trailer was blown over. Several large trees were blown down in Pocola, and 2 gas lines were destroyed in Pocola by uprooted trees. 4 persons were injured in Pocola, 1 of them critically. In Sequoyah County, the Arkansas River bridge in Moffett was blocked by debris. In Adair County, numerous trees were blown down in Westville.

Thunderstorms during the evening also produced very heavy rainfall which resulted in flash flooding. A few roads throughout Latimer County were under water, and numerous roads throughout Le Flore County were flooded and impassable. High water covered State Highway 82 south of Stigler and State Highway 9 east of Keota, and State Highway 31 was closed at Haywood due to high water. Numerous low-lying roads were flooded throughout Sequoyah County, and bridges were washed out near Westville.

## **OKLAHOMA, Extreme Southeast**

<b>Mccurtain County</b> 3 W Valliant	20	1900CST 2000CST			0	0			Heavy Rain
									Rainfall totals of 2.65 inches was recorded in one hour.
<b>Mccurtain County</b> Idabel Arpt	20	1900CST 2030CST			0	0			Heavy Rain
									Rainfall totaled 2.70 inches in 1 1/2 hours in Idabel.
<b>Mccurtain County</b> Smithville	20	1900CST			0	0			Flash Flood
									High water closed Hwy 4.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## OKLAHOMA, Panhandle

<b>OKZ001</b>	<b>Cimarron</b>								
	22	2100CST			0	0			<b>Heavy Snow</b>
	23	2100CST							

Five inches of snow fell at Kenton, OK.

## OKLAHOMA, Western, Central and Southeast

<b>OKZ004&gt;019-021&gt;025-027</b>	<b>Harper - Woods - Alfalfa - Grant - Kay - Ellis - Woodward - Major - Garfield - Noble - Roger Mills - Dewey - Custer - Blaine - Kingfisher - Logan - Beckham - Washita - Caddo - Canadian - Oklahoma - Grady</b>								
	06	2300CST			0	0			<b>Heavy Snow</b>
	07	0900CST							

Heavy snow fell over much of Oklahoma overnight from late Thursday February 6th through the morning of February 7th. Temperatures hovered at or just above freezing, however, and limited the amount of snow accumulation on the ground. Only over the northwestern quarter of Oklahoma was the temperature cold enough, long enough for significant snow accumulation to occur. Areas generally north of I-40 and west of I-35 saw accumulations at and above 2 inches, with local bands of heavy snow across Beckham and Washita Counties and from Ellis into Woodward Counties. In the northern band from Arnett to Woodward, the heaviest snow fell in Woodward where 6 to 8 inches of snow fell. In the southern band from Sayre to Clinton, the heaviest snow fell in Clinton where 4 inches was reported.

Numerous traffic accidents occurred and were blamed, at least in part, on icy road conditions. One three-car accident with injuries was reported in Woodward in Woodward County, and a one-car accident with injury occurred in Elk City in Beckham County.

### **Stephens County**

<b>Duncan</b>	<b>20</b>	<b>1230CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind</b>
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Severe thunderstorm winds damaged residential roofs and downed tree limbs.

### **Garvin County**

<b>Pauls Valley</b>	<b>20</b>	<b>1335CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind</b>
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Severe thunderstorm winds damages roofs on two homes near Pauls Valley.

### **Bryan County**

<b>10 W Durant</b>	<b>20</b>	<b>1430CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G52)</b>
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Severe thunderstorm winds downed 4 power poles along Highway 70 on Roosevelt Bridge across Lake Texoma. The power lines fell onto a tractor-trailer rig and 5 other vehicles, trapping the occupants for about 30 minutes. The bridge was closed for an hour and 15 minutes while crews worked to clear the road.

### **OKZ038**

<b>Comanche</b>	<b>21</b>	<b>0320CST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G59)</b>
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Strong winds behind a cold front gusted to over 50 mph at the Oklahoma Mesonet site near Medicine Park in Comanche County.

### **Pontotoc County**

<b>4 NW Ada</b>	<b>25</b>	<b>0105CST</b>			<b>0</b>	<b>0</b>			<b>Lightning</b>
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Lightning struck the wireless cable antenna on the roof of a house. All electrical appliances, lights, and the water pipes under the foundation behind the house were blown up but no fire was set. Damage was estimated at \$12,000.

## OREGON, Central and East

<b>ORZ018</b>	<b>Columbia Deschutes Plateau</b>								
	01	0000PST			0	0			<b>Flood</b>
		1100PST							

Some homes and businesses had water seeping in from high water in river. Levy on John Day River breached and flooded Grant County Fairgrounds. A 400 foot section of a road washed out. Radio station knocked off the air.

<b>ORZ013</b>	<b>North Central Oregon</b>								
	07	1000PST			0	0			<b>Winter Storm</b>
		1800PST							

At least a dozen traffic accidents occurred on a stretch of highway 97 north of Terrebonne. Four crashed semi-trucks blocked the road for five hours. A fire truck and two sanding trucks slid into a guardrail.

## OREGON, Northwest

<b>ORZ011</b>	<b>Northern Cascades</b>								
	11	1200PST			0	0	0		<b>Heavy Snow</b>
	12	1200PST							

A strong Pacific storm dumped 10 inches of new snow on Mt. Hood Meadows and 5 inches at Timberline Lodge.

<b>ORZ009</b>	<b>Western Columbia River Gorge</b>								
	11	1500PST			0	0	0		<b>Heavy Snow</b>
	12	1200PST							

The same storm deposited up to 3 inches of snow in the Hood River valley.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## OREGON, Northwest

<b>ORZ001</b>	<b>Northern Coast</b>	<b>16 1800PST</b> <b>2200PST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>High Wind</b>
			Winds gusted to 38 mph at Netarts as a Pacific storm approached the coast.						
<b>ORZ011</b>	<b>Northern Cascades</b>	<b>18 1400PST</b> <b>19 1700PST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Heavy Snow</b>
			A large storm dropped 10 inches of new snow at Timberline Lodge and Mt. Hood Meadows and 8 inches at Bennett Pass.						
<b>ORZ011</b>	<b>Northern Cascades</b>	<b>19 2000PST</b> <b>20 0800PST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Heavy Snow</b>
			Another surge of moisture brought an additional 11 inches of snow to Mt. Hood Meadows and Bennett Pass, 9 inches to Timberline, and 7 inches at Government Camp.						

## OREGON, Southeast

NONE REPORTED.

## OREGON, Southwest

NONE REPORTED.

## PACIFIC

NOT RECEIVED.

## PENNSYLVANIA, Central

<b>Clearfield County</b> <b>Clearfield</b>	<b>05 2000EST</b> <b>06 0100EST</b>				<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		Ice jams formed on the West Branch of the Susquehanna River backing up water and closing a couple of roads.							
<b>PAZ017&gt;019-024-026&gt;028-036&gt;037-041&gt;042-045-049&gt;053-056&gt;059-063&gt;066</b>	<b>Clearfield - Northern Centre - Southern Centre - Cambria - Huntingdon - Mifflin - Juniata - Franklin - Tioga - Northern Lycoming - Sullivan - Southern Clinton - Union - Snyder - Montour - Northumberland - Columbia - Perry - Dauphin - Schuylkill - Lebanon - Cumberland - Adams - York - Lancaster</b>				<b>0</b>	<b>0</b>			<b>Winter Storm</b>
		3 to 7 inches of snow fell across the area with an ice coating on top.							
<b>PAZ004-018&gt;019-041-046-057-065</b>	<b>Warren - Northern Centre - Southern Centre - Northern Lycoming - Southern Lycoming - Dauphin - York</b>	<b>22 0800EST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G60)</b>
		High winds gusting to 61 mph at State College and 58 mph at Middletown blew down trees and caused many power outages.							
<b>PAZ004&gt;005-017-024-033</b>	<b>Warren - Mckean - Clearfield - Cambria - Somerset</b>	<b>27 1200EST</b>			<b>0</b>	<b>0</b>			<b>High Wind (G30)</b>
		High winds partially tore a roof off the State Prison Building in Somerset. Numerous reports of trees and wires down.							

## PENNSYLVANIA, East

<b>PAZ054&gt;055</b>	<b>Carbon - Monroe</b>	<b>04 1500EST</b> <b>05 0300EST</b>			<b>0</b>	<b>0</b>			<b>Wintry Mix</b>
		A wintry mix of snow, then sleet and freezing rain fell over the Poconos from the afternoon of the 4th through the early morning of the 5th. Precipitation started as snow around 3 p.m. EST on the 4th in the Poconos and even farther south in the Lehigh Valley. The change to plain rain occurred quickly in the Lehigh Valley by about 7 p.m. EST with accumulations generally less than an inch. The transition to plain rain though took much longer in the Poconos. By 7 or 8 p.m. EST a change to sleet and freezing rain had started over southern parts of Carbon and Monroe Counties and took until midnight EST over of the higher terrain in Monroe County. Warmer air overnight changed the precipitation over to plain rain by the morning of the 5th and prevented an ice storm from occurring. Storm precipitation totals were close to one inch water equivalent. Snowfall accumulations prior to the changeover averaged around 2 inches in the valleys and 4 inches over the higher terrain of the Poconos. Accumulations included 4 inches in both Jundale and Mount Pocono, 2.5 inches in Jim Thorpe, 2 inches in Long Pond and 1.5 inches in East Stroudsburg. Untreated roads were slippery.							

A low pressure system developed in the Texas Panhandle the morning of the 3rd and moved northeast to Central Illinois by the

# Storm Data and Unusual Weather Phenomena

February 1997

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

**PENNSYLVANIA, East**

morning of the 4th. Precipitation preceding its warm front overspread Pennsylvania. The low moved northeast into the Saint Lawrence Valley the morning of the 5th, a common storm track for this winter so far. A weak secondary low did develop along the warm frontal boundary over Southern New England on the morning of the 5th. This scenario sometimes prevents a complete changeover. In this instance the secondary development was too late, but probably was responsible for the lengthier change to plain rain in the Poconos.

**PAZ060-067-070>071**

**Berks - Chester - Delaware - Philadelphia**

<b>08</b>	<b>0900EST</b>				<b>0</b>	<b>0</b>			<b>Snow</b>
	<b>2300EST</b>								

**PAZ068>069**

**Montgomery - Bucks**

<b>08</b>	<b>0900EST</b>				<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>2300EST</b>								

Snow, heavy at times in lower Bucks and Montgomery Counties, fell throughout the day on the 8th in Southeast Pennsylvania. To date this was the heaviest snow of the season for extreme Southeast Pennsylvania. Snow started during the morning of the 8th and fell at a fairly steady clip throughout the day. The exception was across a strip of lower Montgomery and Bucks Counties where a band of heavier snow developed during the afternoon of the 8th and produced the highest accumulations in the state. The accumulating snow was over before midnight EST on the 9th.

As is the case with most snow events, there is a sharp cut-off from heavy to light snow. The snow was considerably lighter in Berks County and upper parts of Montgomery and Bucks County where accumulations averaged 2 inches. Even less fell in the Lehigh Valley. At the Lehigh Valley International Airport the accumulation was only 0.8 inches. Farther southeast, accumulations averaged around 4 inches in Philadelphia, Delaware and Chester Counties and up to 7 inches in lower Bucks County. Some representative snowfall totals included 7.0 inches at Neshaminy Falls (Bucks County), 6.6 inches in Levittown (Bucks County), 6.3 inches in Wynnewood (Montgomery County), 5.0 inches in Southampton (Bucks County), 4.1 inches in Glenmoore (Chester County), 4.0 inches in Center City Philadelphia and Wallingford (Delaware County), 3.3 inches at the Philadelphia International Airport, 2.0 inches in Doylestown (Bucks County) and Pottstown (Montgomery County) and 1.9 inches in Reading. Since this snow fell on a Saturday, the number of accidents was reduced.

The low pressure system responsible for the heavy snow initially formed in the western Gulf of Mexico on the 7th. By the morning of the 8th, there were three separate centers, over Georgia, western North Carolina and near Cape Hatteras. These combined into one by the afternoon of the 8th. The low though moved fairly quickly out to sea. By 7 a.m. EST on the 9th, it was already about 500 miles east of Philadelphia. While its storm track placed the far edge of the band of heaviest snow across extreme Southeast Pennsylvania, its fast movement prevented heavier accumulations from occurring.

**PAZ060-067>071**

**Berks - Chester - Montgomery - Bucks - Delaware - Philadelphia**

<b>14</b>	<b>0000EST</b>				<b>0</b>	<b>0</b>			<b>Wintry Mix</b>
	<b>0800EST</b>								

A high pressure system brought in a relatively cold and dry air mass into the Northeast on the 12th and 13th. Then a low pressure system travelled along the Eastern Seaboard and dropped a wintry mix of snow and freezing rain across Southeast Pennsylvania through dawn on the 14th. Precipitation started as snow throughout Southeast Pennsylvania the night of the 13th/morning of the 14th. South winds above the ground brought in relatively warmer air and changed the snow to freezing rain between 4 and 7 a.m. EST. East winds near the surface then brought in warmer air and helped change the freezing rain to just plain rain during the morning commute. As is typically the case, the change to plain rain took the longest across Berks County and upper parts of Bucks and Montgomery Counties. Accumulations prior to the change over averaged 2 to 4 inches in Berks County and 1 to 2 inches elsewhere. Driving on untreated roadways was very hazardous. Snowfall totals included 4 inches in Reading, 2.4 inches in Springtown, 1.8 inches in Glenmoore, one inch in Southampton and Honey Brook and 0.7 inches at the Philadelphia International Airport.

The low pressure system responsible for the wintry mix developed over northern Mexico on the 12th. It moved along southern parts of the Gulf Coast States on the 13th before moving quickly up the Eastern Seaboard the night of the 13th through the night of the 14th. The low went from Savannah, Georgia at 7 p.m. EST on the 13th to Portland, Maine at 7 p.m. EST on the 14th. The fast movement kept precipitation totals down. Conversely since it was a relatively weak low pressure system, the winds were light and this kept cold air trapped in the valleys and prolonged the changeover to plain rain.

**PAZ054>055-061>062**

**Carbon - Monroe - Lehigh - Northampton**

<b>14</b>	<b>0100EST</b>				<b>0</b>	<b>0</b>			<b>Winter Storm</b>
	<b>1200EST</b>								

A high pressure system brought in a relatively cold and dry air mass into the Northeast on the 12th and 13th. Then a low pressure system travelled along the Eastern Seaboard and dropped snow and freezing rain during the first half of the day on the 14th. Accumulations averaged 3 to 5 inches followed by about a quarter of an inch of ice. Driving on untreated roadways was very hazardous. Snow began in all areas a little after midnight on the 14th. The snow changed over to freezing rain in the Lehigh Valley around sunrise and during the morning of the 14th in the Poconos. Precipitation briefly changed to light rain and drizzle as it came to an end in the Lehigh Valley around noon. Precipitation ended mainly as freezing rain in the Poconos. About a quarter of an inch of ice accrued on top of the snow, especially in the Lehigh Valley where precipitation fell as freezing rain longer. Snowfall totals included 5 inches in Mount Pocono, 4.4 inches in Saylorsburg, 3.1 inches in Jundale, 3 inches in Lehigh and



# Storm Data and Unusual Weather Phenomena

February 1997

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

## PENNSYLVANIA, Northeast

<b>PAZ038-047</b>	<b>Bradford - Luzerne</b>	<b>22</b>	<b>1130EST</b>		<b>0</b>	<b>0</b>	<b>90K</b>		<b>High Wind</b>
			<b>1330EST</b>						
A very strong cold front swept through northeastern Pennsylvania during the midday hours of the 22nd. Strong winds aloft were transported down to the surface as the front neared the region.									
Numerous large trees were blown over in central portions of Bradford county near Towanda. In the town of Wysox just east of Towanda, a large drive-in theatre screen was dislodged by the winds. Some homes were also damaged from the falling trees. In Luzerne county, trees and power lines were knocked down countywide. A large billboard was also toppled across the southbound lanes of Interstate 81 in Hanover township.									

## PENNSYLVANIA, Northwest

<b>PAZ003</b>	<b>Crawford</b>	<b>13</b>	<b>2000EST</b>		<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
		<b>14</b>	<b>0320EST</b>						
Four to six inches of heavy snow fell in the southeastern part of the county.									
<b>PAZ001&gt;002</b>	<b>Northern Erie - Southern Erie</b>	<b>16</b>	<b>0800EST</b>		<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
			<b>1900EST</b>						
Heavy lake effect snow fell and accumulated six to ten inches in Erie and six inches in Edinboro.									
<b>Erie County</b>	<b>Edinboro</b>	<b>22</b>	<b>0400EST</b>		<b>0</b>	<b>0</b>	<b>5K</b>		<b>Thunderstorm Wind (G60)</b>
The roof was partially blown off a house.									
<b>Erie County</b>	<b>Erie</b>	<b>22</b>	<b>0900EST</b>		<b>0</b>	<b>0</b>	<b>2K</b>		<b>Thunderstorm Wind (G50)</b>
Trees and power lines were downed in Erie.									
<b>PAZ001&gt;003</b>	<b>Northern Erie - Southern Erie - Crawford</b>	<b>27</b>	<b>0700EST</b>		<b>0</b>	<b>0</b>	<b>5K</b>		<b>High Wind</b>
			<b>1300EST</b>						
Many trees and power lines were downed, especially in the cities of Erie (Erie County) and Meadville (Crawford).									
<b>Crawford County</b>	<b>Northwest Portion</b>	<b>27</b>	<b>0745EST</b>		<b>0</b>	<b>0</b>	<b>75K</b>		<b>Flash Flood</b>
Heavy thunderstorm rain caused flooding of streets, streams and low lying areas. Dozens of roads were closed. Two underpasses flooded in Saegertown, with water over the roof of a car stuck in one of them. In Conneautville, houses and businesses were flooded and a creek was out of its banks.									

## PENNSYLVANIA, West

<b>PAZ032</b>	<b>Fayette</b>	<b>04</b>	<b>1104EST</b>		<b>0</b>	<b>0</b>	<b>1K</b>		<b>High Wind (G43)</b>
			<b>1200EST</b>						
Strong and gusty southerly winds ahead of a cold front, estimated to 50 miles per hour, downed some large limbs near Hopwood.									
<b>Clarion County</b>	<b>New Bethlehem to Fairmount City</b>	<b>05</b>	<b>0130EST</b>		<b>0</b>	<b>0</b>			<b>Flash Flood</b>
			<b>0545EST</b>						
Red Bank Creek, between Fairmount City and New Bethlehem, went out of its banks due to ice jams. Water began to flood Route 28 and within 1 1/2 hours later, the road was closed in the New Bethlehem area. Ice was reported up to the top of the guard rails at Water Street. The ice jam then broke and the ice was flushed downstream before daybreak. The water levels then receded.									
<b>Armstrong County</b>	<b>1.5 W Oak Ridge</b>	<b>05</b>	<b>0130EST</b>		<b>0</b>	<b>0</b>			<b>Flash Flood</b>
			<b>0545EST</b>						
Flooding along the Red Bank Creek occurred due to ice jams.									
<b>PAZ009</b>	<b>Forest</b>	<b>12</b>	<b>0000EST</b>		<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
			<b>1800EST</b>						
Strong, convective snow showers dropped 6 inches of snow near Marienville in Forest County.									
<b>PAZ029</b>	<b>Washington</b>	<b>13</b>	<b>2000EST</b>		<b>0</b>	<b>0</b>			<b>Ice Storm</b>
		<b>14</b>	<b>0600EST</b>						
A winter storm system moved northeast across western Pennsylvania and brought a wintry mix of precipitation. The heaviest precipitation was confined to the northern mountains of West Virginia and to Garrett County, Maryland, however, Washington									

# Storm Data and Unusual Weather Phenomena

February 1997

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

county reported a quarter of an inch accumulation of freezing rain on top of a couple of inches of snow and sleet.

<b>PAZ020&gt;021-029&gt;030</b>	<b>Beaver - Allegheny - Washington - Westmoreland</b>								
	22	0457EST 1000EST			0	0	27K		High Wind (G63)

Strong westerly winds, behind a cold front that swept through western Pennsylvania around daybreak, downed several trees and caused some structural damage.

Small pine trees were downed along Route 60 in Beaver and Allegheny County. Two 45-foot-tall pine trees were uprooted in Aliquippa, Beaver County.

A wind gust to 72 mph was recorded at the Carnegie Science Center in Pittsburgh. Allegheny County Airport reported a gust to 52 mph. Also in Allegheny County, in Penn Hills, 2 homes sustained minor damage to soffit and fascia.

In Cecil, Washington County, numerous trees and power lines were down. A roof was lifted off of a mobile home and a window was shattered. A bus shelter was toppled and damaged near the Washington County Courthouse. Other trees and power lines were also downed in Washington County.

Numerous trees and utility lines were downed just west of Latrobe in Westmoreland County. Also in Westmoreland County, in Lower Burrell, siding and gutters were ripped from 2 homes and a small shed was destroyed.

<b>PAZ013-016-021&gt;022-030&gt;031</b>	<b>Lawrence - Jefferson - Allegheny - Armstrong - Westmoreland - Greene</b>								
	27	1100EST 1500EST			0	0	79K		High Wind (G52)

A strong, fast moving cold front with strong winds ahead and behind it, downed trees and caused some structural damage throughout parts of western Pennsylvania. Westmoreland County was particularly hard hit.

A roof was partially ripped from a house in Derry, Westmoreland County and numerous trees were downed on Chestnut Ridge and Laurel Hill. Also in Westmoreland County, a roof was torn from a home 1 mile north of Latrobe and some plate glass windows were blown out in Latrobe, several trees were downed in and near Ligonier, power lines were downed just west of Greensburg.

Trees were reported down in Greene County near Davistown.

Winds gusted to 56 miles per hour and power lines were downed 2 miles north of Sigel in Jefferson County.

Winds gusted to 60 miles per hour in Braddock Hills, Allegheny County, and shingles were ripped from roofs and one roof sustained structural damage. A large tree was also downed onto a car in the Shadyside section of Pittsburgh.

A wind gust to 60 miles per hour was reported in Fombell in Lawrence County.

Trees and power lines were downed in Parker in Armstrong County and shingles were torn off roofs.

## PUERTO RICO

<b>Guayama Salinas</b>									
Guayama	01	0945AST 1230AST			0	0			Flash Flood

Civil Defense reported flash flooding in the Guayama municipality.

<b>Mayaguez</b>									
Anasco	02	1445AST 1730AST			0	0			Heavy Rain

Heavy rains were reported in the municipality of Anasco.

<b>Carolina</b>									
Carolina Canovanas	21	1045AST 1245AST			0	0			Heavy Rain

Civil Defense reported heavy rains in the municipalities of Carolina, Trujillo Alto, Canovanas and Fajardo.

## RHODE ISLAND

<b>RIZ002-007</b>	<b>Southeast Providence - Newport</b>								
	20	0100EST 0400EST			0	0			Strong Wind

Strong and gusty west to northwest winds in the wake of a cold front brought peak wind gusts of over 50 mph in parts of the state. Downtown Providence and Tiverton had gusts to 54 mph between 3 AM and 4 AM.

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>SOUTH CAROLINA, Central</u></b>									
<b>Newberry County</b>									
Newberry	21	1715EST			0	0			<b>Thunderstorm Wind (G50)</b>
	A severe thunderstorm took down several trees and powerlines in Newberry.								
<b>Saluda County</b>									
6 WNW Saluda	21	1722EST			0	0			<b>Thunderstorm Wind (G50)</b>
	A severe thunderstorm took down a few trees in Mayson.								
<b>Edgefield County</b>									
Edgefield	21	1730EST			0	0			<b>Thunderstorm Wind (G50)</b>
	A severe thunderstorm took down trees in Edgefield.								
<b>Saluda County</b>									
Saluda	21	1735EST			0	0			<b>Thunderstorm Wind (G50)</b>
	A severe thunderstorm took down several trees in Saluda and throughout the county as a squall line moved through the area.								
<b>Newberry County</b>									
Prosperity to Blair	21	1750EST 1800EST			0	0			<b>Thunderstorm Wind (G50)</b>
	Severe thunderstorms took down trees and powerlines in Prosperity, Pomeria, and Blair as a squall line moved through the area.								
<b>Lexington County</b>									
Chapin to West Columbia	21	1800EST			0	0	5K	0	<b>Thunderstorm Wind (G50)</b>
	Severe thunderstorms took down trees and powerlines in Irmo, Chapin, and West Columbia as a squall line moved through the area. A gustnado briefly touched down at the Barnyard Flee Market and did minor damage to a building.								
<b>Fairfield County</b>									
5 S Winnsboro	21	1800EST			0	0			<b>Thunderstorm Wind (G50)</b>
	A severe thunderstorm took down trees on highway 63 south of Winnsboro.								
<b>Richland County</b>									
Pontiac to 5 N Columbia	21	1800EST			0	0	5K	0	<b>Thunderstorm Wind (G50)</b>
	Severe thunderstorms took down trees in Pontiac and Blue Ridge Terrace when a squall line moved through the area. Several carports were severely damaged.								
<b>Lancaster County</b>									
5 N Lancaster	21	1805EST			0	0	15K	0	<b>Thunderstorm Wind (G50)</b>
	A severe thunderstorm took down trees and powerlines north of Lancaster. One house was damaged.								
<b>Kershaw County</b>									
Lugoff to Camden	21	1832EST 1840EST			0	0			<b>Thunderstorm Wind (G50)</b>
	Severe thunderstorms turned over tractor trailers and blew cars off I-20 between Lugoff and Camden when a squall line moved through.								
<b>Kershaw County</b>									
Camden	21	1840EST			0	0			<b>Thunderstorm Wind (G50)</b>
	A severe thunderstorm took down trees in Camden.								
<b>Chesterfield County</b>									
Lees Crossing	21	1845EST			0	0			<b>Thunderstorm Wind (G50)</b>
	A severe thunderstorm took down several trees at Lees Crossing.								
<b>Chesterfield County</b>									
Mc Bee to Cash	21	1900EST			0	0			<b>Thunderstorm Wind (G50)</b>
	Severe thunderstorms took down trees in McBee and Cash when a squall line moved through the area.								
<b>Lee County</b>									
Bishopville	21	1915EST			0	0			<b>Thunderstorm Wind (G50)</b>
	Severe thunderstorms took down trees on Galloway Store Road and Anderson Hill Road near Bishopville.								
<b><u>SOUTH CAROLINA, North Coastal</u></b>									
<b>Darlington County</b>									
Hartsville	21	1915EST 1920EST			0	0			<b>Thunderstorm Wind (G50)</b>
	Large tree limb down blocking traffic								

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>SOUTH CAROLINA, Northwest</u></b>									
<b>SCZ001&gt;008</b>		<b>Northern Oconee - Northern Pickens - Northern Greenville - Southern Oconee - Southern Pickens - Southern Greenville - Spartanburg - Cherokee</b>							
	13	0800EST 1500EST			0	0			Wintry Mix
<b>SCZ003-007&gt;009</b>		<b>Northern Greenville - Spartanburg - Cherokee - York</b>							
	13	1200EST 2200EST			0	0			Ice Storm
		Light wintry mixed precipitation caused slick roads initially and then changed mostly to sleet and some freezing rain which accumulated to light damaging levels. The highest accumulation (2 to 3 inches) was around Landrum. The band of ice storm conditions stretched from extreme northern Greenville county across northern Spartanburg and Cherokee counties to extreme northern York county.							
<b>SCZ019</b>		<b>Greenwood</b>							
	19	0500EST 0700EST			0	0			Fog
		Dense fog reportedly caused a number of accidents around Greenwood.							
<b>Oconee County</b>		<b>3 SE Westminster</b>							
	21	1520EST 1521EST	0.1	25	0	0	5K		Tornado (F0)
<b>Oconee County</b>		<b>3 S Walhalla</b>							
	21	1535EST 1540EST			0	0	130K		Thunderstorm Wind (G50)
<b>Pickens County</b>		<b>Norris And Central</b>							
	21	1545EST 1550EST			0	0			Thunderstorm Wind (G50)
<b>Anderson County</b>		<b>2 W Honea Path</b>							
	21	1600EST 1601EST	0.3	50	0	0	30K		Tornado (F1)
<b>Pickens County</b>		<b>Easley</b>							
	21	1600EST 1605EST			0	0			Thunderstorm Wind (G50)
<b>Abbeville County</b>		<b>Abbeville</b>							
	21	1615EST 1620EST			0	0	5K		Thunderstorm Wind (G50)
<b>Greenwood County</b>		<b>5 S Greenwood</b>							
	21	1625EST			0	0			Hail (0.75)
<b>Spartanburg County</b>		<b>2 N Roebuck</b>							
	21	1633EST 1634EST	1	75	0	0	330K		Tornado (F2)
<b>Greenwood County</b>		<b>Cokesbury</b>							
	21	1640EST 1645EST			0	0	10K		Thunderstorm Wind (G50)
<b>Laurens County</b>		<b>Mountville</b>							
	21	1645EST 1650EST			0	0			Thunderstorm Wind (G50)
<b>Spartanburg County</b>		<b>Spartanburg to Cowpens</b>							
	21	1645EST 1655EST			0	0			Thunderstorm Wind (G50)
<b>Union County</b>		<b>Jonesville</b>							
	21	1652EST 1657EST			0	0			Thunderstorm Wind (G50)
<b>Spartanburg County</b>		<b>Woodruff</b>							
	21	1655EST 1700EST			0	0			Thunderstorm Wind (G50)
<b>Cherokee County</b>		<b>7 S Gaffney</b>							
	21	1655EST 1700EST			0	0			Thunderstorm Wind (G50)

# Storm Data and Unusual Weather Phenomena

February 1997

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

## SOUTH CAROLINA, Northwest

### **Union County**

3 N Union	21	1705EST 1710EST			0	0			Thunderstorm Wind (G50)
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### **York County**

5 NW Bethany	21	1711EST 1716EST			0	0			Thunderstorm Wind (G50)
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### **York County**

3 NNW Clover to 4 NNW Clover	21	1720EST 1722EST	2	100	0	0			Tornado (F0)
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Short line segment convection blasted east northeast out of Georgia into and across the Upstate during the late afternoon causing numerous reports of wind damage and a few tornadoes. Thunder was heard in only a few cases in the storms which moved between 60 and 70 mph across the region. People spotted a weak tornado southeast of Westminster where some damage occurred, but by far the most damage in Oconee county occurred between Westminster and Walhalla where downburst winds from a previously tornadic thunderstorm hit the area. Numerous trees were downed across roads, and 46 structures were damaged - some directly by the wind and others by falling trees. A small tornado occurred near Honea Path where trees, lines, and some structures and a mobile home were damaged. The strongest tornado in this area occurred south of Spartanburg, 2 miles north of Roebuck where a weak tornado became progressively stronger as it moved along terrain with increasing elevation. Where the terrain suddenly dropped off, the tornado damage ended. Several newly constructed homes were severely damaged or destroyed in the low-end F2 tornado. This was nearly doubled by the component of forward motion (55 knots). This same line segment later caused a tornado in York county which moved into the Gastonia, NC area. Most of the damage reports above were downed trees and power lines. North of Union, a 150 gallon tank was blown around. Seven miles south of Gaffney, a mobile home was blown off its foundation. In Pickens county, the town of Central was especially hard hit with some trees falling on homes.

### **Chester County**

5 NE Richburg	21	1720EST 1725EST			0	0			Thunderstorm Wind (G50)
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### **Pickens County**

Easley	28	1430EST 1600EST			0	0			Flash Flood
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### **Greenville County**

Greenville to Simpsonville	28	1430EST 1700EST			0	0			Flash Flood
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### **Greenville County**

Taylors to Greenville	28	1600EST 1800EST			0	0			Flash Flood
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### **Laurens County**

Countywide	28	1700EST 1900EST			0	0			Flash Flood
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Bad weather occurred on Friday for the second consecutive week. Slow moving and repeating thunderstorms caused local flooding around the Greenville-Spartanburg metro area. The Reedy River overflowed its banks causing minor flooding and several bridges were under water for a while. A number of roads around the east side of Greenville and in Taylors were closed for a short period. Normal urban flooding occurred around Easley.

## SOUTH CAROLINA, South Coastal

NONE REPORTED.

## SOUTH DAKOTA, Central and North

SDZ003>011-015>023- 033>037-045-048-051		Corson - Campbell - Mcpherson - Brown - Marshall - Roberts - Walworth - Edmunds - Day - Dewey - Potter - Faulk - Spink - Clark - Codington - Grant - Hamlin - Deuel - Stanley - Sully - Hughes - Hyde - Hand - Jones - Lyman - Buffalo			0	0			Winter Storm
		03 0500CST							
		04 1100CST							

A winter storm dropped from 6 to 15 inches of snow across central and northeast South Dakota deepening the already expansive snowpack. The wind came up from the north at 20 to 30 mph during the morning of the 4th causing blowing and drifting snow blocking some roads and making travel hazardous if not impossible. Several vehicles got stuck or went off the road. Due to the heavy snowfall, a roof collapsed in Aberdeen damaging a car. Many schools started late or were canceled accumulating to the number of days missed for the season. Some snowfall amounts include 6 inches at Britton, Summit and Webster, 7 inches at Aberdeen, 6 SE McIntosh, Pollock, Timber Lake, 8 inches at Leola, Ipswich, Eagle Butte and Gettysburg, 9 inches at Miller and Mellette, 10 inches at Mobridge, Watertown, Clear Lake, Pierre, Kennebec, and Onida, and 11 inches at Clark and Blunt. Snowfall amounts of a foot or more include, 12 inches at Highmore, Bryant, and Gann Valley, 13 inches at Faulkton, 14 inches 23 N Highmore and Murdo, and 15 inches at 1 SE Stephan. Up to this point in the winter season, record snowfall and record cold were

# Storm Data and Unusual Weather Phenomena

February 1997

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					Killed	Injured	Property	Crops	

## SOUTH DAKOTA, Central and North

the rule across central and northeast South Dakota.

**SDZ033-045**

**Stanley - Jones**

**20 2000CST**

**0 0**

**Flood**

**22 1500CST**

Warm weather resulted in snowmelt runoff and ice breakup on the Bad River. As a result, the Bad River went above flood stage from Capa to Fort Pierre late in the evening of the 20th. Flood stage at Fort Pierre is 21 feet and the river rose to around 25 feet on the 21st. The Bad River went below flood stage during the afternoon of the 22nd. Lowlands near the river were flooded along with some county roads with some of the roads damaged. Late in the evening of the 20th, the trailer court on the southern edge of Fort Pierre was evacuated where they did some sanbagging. Also, on the west side of Fort Pierre, some roads were flooded.

## SOUTH DAKOTA, Southeast

**SDZ038>040-050-052>071**

**Beadle - Kingsbury - Brookings - Gregory - Jerauld - Sanborn - Miner - Lake - Moody - Brule - Aurora - Davison - Hanson - Mccook - Minnehaha - Charles Mix - Douglas - Hutchinson - Turner - Lincoln - Bon Homme - Yankton - Clay - Union**

**03 0600CST**

**0 0 10K**

**Heavy Snow**

**04 0800CST**

Snow accumulated 6 to 15 inches with 15 inches reported near Sioux Falls. The snow curtailed travel and closed schools and some businesses for a day. A barn roof near Volga collapsed, injuring some cows.

## SOUTH DAKOTA, West

**SDZ025>026**

**Northern Foot Hills - Central Foot Hills**

**22 1200MST**

**0 0 7.5K**

**Winter Storm**

**1600MST**

Gusty winds up to 35 mph and snow showers over icy roads created numerous traffic accidents in and around Rapid City. 17 accidents were reported on a 6 mile stretch of Interstate 90 between Blackhawk and Piedmont. 10 accidents were reported in Rapid City, with 1 minor injury.

## TENNESSEE, Central

**Lawrence County**

**3 S Liberty Grove**

**03 0530CST**

**0 0**

**Hail (0.75)**

Local law enforcement reported dime size hail.

**Giles County**

**Brick Church**

**03 0713CST**

**0 0**

**Hail (1.00)**

Local law enforcement reported quarter size hail.

**Marshall County**

**Cornersville**

**03 0720CST**

**0 0**

**Hail (0.75)**

**0722CST**

Local law enforcement reported penny size hail.

**Rutherford County**

**Murfreesboro**

**03 0937CST**

**0 2 100K**

**Lightning**

2 construction workers were injured by lightning while working on the new library for Middle Tennessee State University. They were treated for electrical shock and released from a local hospital.

Power was knocked out to 500 homes when lightning struck a transformer.

**Benton County**

**Northern Sections**

**04 0035CST**

**0 0**

**Flash Flood**

**0315CST**

Streams and creeks were coming out of their banks in northern part of county.

**Benton County**

**Camden**

**04 0040CST**

**0 0**

**Flash Flood**

**0315CST**

City roads in Camden were being blocked off due to high water. HWY 69, 5 miles north of Camden, had high water and debris blocking road.

Several people had to be evacuated by boats by the rescue squad in the Camden area due to high water.

**Houston County**

**1 SE Erin**

**04 0100CST**

**0 0**

**Flash Flood**

**0315CST**

High water on low lying roads at intersection of HWY 13 and HWY 49, which is 1 mile southeast of Erin.

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b><u>TENNESSEE, Central</u></b>									
<b>Montgomery County</b>									
Clarksville	04	0140CST 0615CST			0	0	10K		Flash Flood
Flooding at Trenton Rd. and HWY 101 Parkway and Power St. at a mobile home park. Some mobile homes were flooded.									
<b>Humphreys County</b>									
Waverly	04	0200CST 0615CST			0	0			Flash Flood
One road had standing water near Waverly.									
<b>Stewart County</b>									
Southern Sections	04	0200CST 0615CST			0	0			Flash Flood
There was flooding in southern Stewart county. A couple of roads were impassible but not closed because the roads were not well travelled.									
<b>Houston County</b>									
Countywide	04	0256CST 0615CST			0	0			Flash Flood
Flooding over low lying areas on roads, county wide, next to streams and creeks. The water was at least a foot deep in places.									
<b>Benton County</b>									
Camden	04	0300CST 0615CST			0	0			Flash Flood
Several roads were under water in Camden. A man had to be evacuated at 255 AM.									
<b>Montgomery County</b>									
Countywide	04	0306CST 0615CST			0	0			Flash Flood
Widespread flooding across Montgomery county.									
<b>Montgomery County</b>									
Countywide	04	0545CST 0615CST			0	0			Flash Flood
Some roads around Montgomery county were still blocked off, but overall situation not as bad as it was at 0345 CST.									
<b>Houston County</b>									
Countywide	04	0550CST 0615CST			0	0			Flash Flood
All main roads were open. Roads along low lying areas still impassible due to high water and debris on roadways.									
<b>Benton County</b>									
Countywide	04	0550CST 0615CST			0	0			Flash Flood
Lots of roads were still closed around the county. There were no more evacuations. Overall flooding situation starting to look better.									
<b>Benton County</b>									
9 N Camden	21	0605CST			0	0	10K		Thunderstorm Wind
SKYWARN SPOTTER reported roofs blown off in Rushing Creek area.									
<b>Benton County</b>									
Camden	21	0605CST			0	0	50K		Thunderstorm Wind
Trees and power lines were down in the Camden area. Camden Police reported gutters and vinyl siding blew off a house. A large section of a roof was ripped off the Carhartt building.									
<b>Stewart County</b>									
Countywide	21	0610CST			0	0			Thunderstorm Wind (G50)
Trees and power lines were down.									
<b>Humphreys County</b>									
Northern Section	21	0620CST			0	0			Thunderstorm Wind (G50)
A tree was blown down over the northern part of the county.									
<b>Wayne County</b>									
Countywide	21	0630CST			0	0	30K		Thunderstorm Wind
Roof damage to some homes.									
<b>Benton County</b>									
Camden	21	0635CST 0835CST			0	0			Flash Flood
Small streams were coming out of their banks.									

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>TENNESSEE, Central</b>									
<b>Houston County</b> Western Sections	21	0638CST			0	0			Thunderstorm Wind (G50)
			Large trees were over the roads.						
<b>Stewart County</b> Countywide	21	0645CST			0	0			Thunderstorm Wind (G50)
			Numerous large trees and large tree limbs were blown down.						
<b>Lawrence County</b> Countywide	21	0650CST			0	0			Thunderstorm Wind (G50)
			Large trees were blown down along with power outages.						
<b>Dickson County</b> Dickson	21	0700CST			0	0	5K		Thunderstorm Wind
			Tree fell on a house.						
<b>Maury County</b> Columbia	21	0710CST			0	0	10K		Thunderstorm Wind
			Church steeple nearly blown off a church next to Maury County Regional Hospital.						
<b>Davidson County</b> 1 S Cane Ridge	21	0730CST			0	0			Thunderstorm Wind (G50)
			A tree was blown down on Burkitt Rd. in the southeast part of Davidson county.						
<b>Williamson County</b> Countywide	21	0730CST			0	0			Thunderstorm Wind (G50)
			Trees were blown down around the county.						
<b>Montgomery County</b> Countywide	21	0740CST			0	0			Thunderstorm Wind (G50)
			Several large trees were blown down.						
<b>Lincoln County</b> Flintville	21	0740CST			0	0	10K		Thunderstorm Wind
			A storage trailer was blown over. Trees were blown down in the county along U.S. HWY 231.						
<b>Maury County</b> Mt Pleasant	21	0740CST			0	0	10K		Thunderstorm Wind
			Large trees and storage barns were blown down on Sawmill Pike.						
<b>Maury County</b> Porters Chapel	21	0740CST			0	0	300K		Thunderstorm Wind
			A microburst hit the Porters Chapel area. The winds destroyed 3 barns and a house. 3 cows were also killed.						
<b>Rutherford County</b> Countywide	21	0745CST			0	0			Thunderstorm Wind (G50)
			Trees were blown down around the county.						
<b>Sumner County</b> Countywide	21	0745CST			0	0			Thunderstorm Wind (G50)
			Scattered areas of large tree limbs were blown down around the county.						
<b>Wilson County</b> 5 N Lebanon	21	0800CST			0	0			Thunderstorm Wind (G50)
			Large tree was blown down over Cedar Grove Rd.						
<b>Lincoln County</b> Fayetteville	21	0804CST			0	0	50K		Thunderstorm Wind
			Several homes damaged. A barn was blown onto the roadway near HWY 50 near Louse Creek Rd.						
<b>Lincoln County</b> Mulberry	21	0804CST			0	0	10K		Thunderstorm Wind (G50)
			The straight line winds flattened a barn, 2 storage sheds and blew down an old granary.						
<b>Franklin County</b> Winchester	21	0820CST			0	0	20K		Thunderstorm Wind (G50)
			Trees on cars at Dripping Springs Subdivision.						
<b>Franklin County</b> Penile Hill	21	0820CST			0	0	10K		Thunderstorm Wind
			2 trailers were damaged due to strong thunderstorm winds.						
<b>Cannon County</b> Countywide	21	0830CST			0	0			Thunderstorm Wind (G50)
			Scattered areas of trees were blown down around the county.						

# Storm Data and Unusual Weather Phenomena

February 1997

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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## TENNESSEE, Central

<b>Warren County</b> Mc Minnville	21	0835CST			0	0	40K		<b>Thunderstorm Wind</b> Thunderstorm winds blew the roof off of a warehouse. The roof covered a 4,800-square-foot structure.
<b>Coffee County</b> Hillsboro	21	0840CST			0	0	10K		<b>Thunderstorm Wind</b> 3 large trees were blown down. One tree hit a home in the Hillsboro area.
<b>Dekalb County</b> 10 N Smithville	21	0845CST			0	0			<b>Thunderstorm Wind (G50)</b> Large trees were across roads near Putnam county line.
<b>Jackson County</b> 6 E Gainesboro	21	0900CST			0	0			<b>Thunderstorm Wind (G50)</b> Large trees were blown down across Granville Highway and HWY 135.
<b>Warren County</b> Countywide	21	0900CST			0	0			<b>Thunderstorm Wind (G50)</b> Caney Fork Electric Company reported scattered areas of trees blown down around the county. Some power lines were down as well.
<b>Pickett County</b> Byrdstown	21	0920CST			0	0			<b>Thunderstorm Wind (G50)</b> 2 trees were blown down around Byrdstown. More trees were down near Cove Creek, Eagle Cove and Dale Hollow Reservoir.
<b>Overton County</b> Western Section	21	0925CST			0	0			<b>Thunderstorm Wind (G50)</b> Large trees were blown onto cars near Willow Grove.
<b>Putnam County</b> 4 N Cookeville	21	0945CST			0	0			<b>Thunderstorm Wind (G50)</b> A tree was down on a power line.
<b>Decatur County</b> Parsons Scott Arprt	26	2355CST			0	0			<b>Thunderstorm Wind (G58)</b> Decatur county airport, located about one mile southwest of Parsons, had a wind gust up to 58 miles per hour at 1155 CST.
<b>Perry County</b> Pine View	27	0020CST			0	0			<b>Thunderstorm Wind (G50)</b> A tree was down on a power line.
<b>Houston County</b> 2 S Mc Kinnon	27	0030CST			0	0			<b>Thunderstorm Wind (G50)</b> Electric company reported a tree was blown down near the White Oak Creek area.
<b>Dickson County</b> 12 SE Dickson	27	0045CST			0	0			<b>Thunderstorm Wind (G50)</b> Electric company reported a tree was down in the Spencer's Mill Road area.

## TENNESSEE, East

<b>Cumberland County</b> Countywide	21	0930CST			0	0	15K	7K	<b>Thunderstorm Wind</b> Trees down on power lines throughout the county, resulting in scattered power outages.
<b>Fentress County</b> Pall Mall	21	0945CST			0	0	15K	4K	<b>Thunderstorm Wind</b> Trees, power lines and phone lines down.
<b>Rhea County</b> Grandview	21	1055EST			0	0		2K	<b>Thunderstorm Wind</b> A few trees down.
<b>Morgan County</b> Deer Lodge	21	1100EST			0	0		7K	<b>Thunderstorm Wind</b> Trees down.
<b>Scott County</b> Huntsville	21	1110EST			0	0		3K	<b>Thunderstorm Wind</b> Tree down in Huntsville beside courthouse. Tree down on Highway 52 at Morgan county line.
<b>Roane County</b> Countywide	21	1115EST			0	0	20K	12K	<b>Thunderstorm Wind</b> Trees and powerlines down throughout county. 80 percent of county without power.

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b><u>TENNESSEE, East</u></b>									
<b>Meigs County</b>									
Decatur	21	1125EST			0	0		2K	Thunderstorm Wind
Tree down on Highway 304 (River Road) between Decatur and Watts Bar Lake.									
<b>Anderson County</b>									
Norris	21	1140EST			0	0		5K	Thunderstorm Wind
Trees down in Norris.									
<b>Loudon County</b>									
Greenback	21	1155EST			0	0		3K	Thunderstorm Wind
Trees down near Greenback.									
<b>Knox County</b>									
Countywide	21	1210EST			0	0	5K	15K	Thunderstorm Wind
Numerous trees down across county. Traffic signal light down at Cedar Bluff and Peters Road.									
<b>Union County</b>									
Countywide	21	1210EST			0	0		4K	Thunderstorm Wind
A few trees down across county.									
<b>Blount County</b>									
Countywide	21	1240EST			0	0		6K	Thunderstorm Wind
A few trees down across county.									
<b>Hamblen County</b>									
Countywide	21	1245EST			0	0	3K	2K	Thunderstorm Wind
Tree down near Talbott post office on Highway 11E. A parked car was struck by a fallen tree.									
<b>Hawkins County</b>									
Rogersville	21	1300EST			0	0		2K	Thunderstorm Wind
Tree down in Rogersville.									
<b>Cocke County</b>									
Countywide	21	1315EST			0	0		5K	Thunderstorm Wind
A few trees down across county.									
<b>Meminn County</b>									
Etowah & Athens	28	1235EST			0	0			Urban/Sml Stream Fld
County roads 427, 501, 527, 750, 783 closed due to water. Small creeks out of their banks.									
<b>Meigs County</b>									
Big Springs/Decatur	28	1235EST			0	0			Urban/Sml Stream Fld
Fork Creek overran county road 322, impeding traffic. Several small creeks out of their banks. Many normally dry culverts overflowing.									
<b><u>TENNESSEE, West</u></b>									
<b>Henry County</b>									
Paris	03	2300CST			0	0	5K		Flash Flood
	04	0500CST							
The sides of a bridge were washed out after 3.43 inches of rain fell in a 24-hour period.									
<b>Henry County</b>									
Oakland	21	0230CST			0	0	1K		Thunderstorm Wind
		0235CST							
Several trees and power lines were knocked down.									
<b>Chester County</b>									
Henderson	21	0430CST			0	0	10K		Thunderstorm Wind
		0445CST							
The front canopy of the West Chester school was destroyed. An electric transformer was damaged just southwest of Henderson. Several power lines and numerous trees were blown down. Two of the trees fell on top of automobiles.									
<b>Henderson County</b>									
Huron	21	0515CST			0	0	1.1K		Thunderstorm Wind
		0520CST							
A window was blown out of a trailer. Several trees and power lines were blown down.									
<b>Hardeman County</b>									
Grand Jct to 5 E Saulsbury	26	2159CST			0	0	1K		Thunderstorm Wind
		2215CST							
A few large trees were blown down.									

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>TENNESSEE, West</u></b>									
<b>Chester County</b>									
Montezuma	26	2242CST 2247CST			0	0	0.10K		Thunderstorm Wind
		A large tree limb fell on a car.							
<b>Mcnairy County</b>									
Mc Nairy	26	2335CST 2340CST			0	0	1K		Thunderstorm Wind
		Several trees were knocked down.							
<b>Fayette County</b>									
Oakland	28	1716CST 1721CST			0	0	0.01K		Hail (0.75)
<b>Crockett County</b>									
Alamo	28	1812CST 1817CST			0	0	0.75K		Hail (1.75)
<b>Fayette County</b>									
Rossville	28	1907CST 1912CST			0	0	0.01K		Hail (0.75)
<b><u>TEXAS, Central</u></b>									
<b>Schleicher County</b>									
3 S Eldorado	20	0015CST			0	0	100K	0	Thunderstorm Wind
<b>Tom Green County</b>									
San Angelo	20	0155CST 0400CST			0	0			Flash Flood
		One inch of rain fell at Mathis Field between 0130 and 0155 CST. This torrential rain moved north across the city of San Angelo and flooded streets, creeks, and low water crossings. The rains continued through most of the early morning hours.							
<b>Schleicher County</b>									
El Dorado Muni Arpt to 10 N Eldorado	20	0300CST 0320CST	10	50	0	0	800K	0	Tornado (F1)
		A tornado that was embedded in very heavy rains destroyed four hangars and overturned an airplane at the Eldorado airport. The tornadic winds also toppled a grain silo on a farm ten miles north of Eldorado.							
<b>Tom Green County</b>									
(Sjt)Mathis Fld San to San Angelo	20	0343CST 0400CST			0	0	300K	0	Thunderstorm Wind (G56)
		Strong winds occurred in the San Angelo area during a heavy rain and flash flood event. A wind gust to 56 knots (65 mph) was recorded at Mathis Field and a gust to 69 mph was reported at Highland Range near O.C. Fisher Lake. The damaging winds then spread north from the city of San Angelo to the rural communities of Quail Valley and Grape Creek, where a gust to 65 mph was reported at Quail Valley.							
		Storm damage in and around the city of San Angelo included downed fences, signs, and tree limbs. The drive-through section of a bank was severely damaged, and ATM machines destroyed, when the ceiling of the carport fell. Several other businesses suffered roof damage. There were also some power outages in the area.							
<b>TXZ071</b>									
<b>Irion</b>	20	0500CST 1115CST			0	0	50K	0	Flood
		Widespread showers and thunderstorms developed in the early morning hours of the 20th as a potent upper level storm system approached the Concho Valley, then spread over the rest of west central Texas during the afternoon. Rainfall totals of three to five inches occurred in much of the area.							
		River flooding occurred on Dove Creek at Knickerbocker, which reached a crest of 19.06 feet at 645 am on the 20th. Flood stage is 14 feet.							
<b>TXZ170</b>									
<b>Mason</b>	20	0600CST 1200CST			0	0	25K	0	Flood
	21								
		River flooding occurred on the Llano River at Mason, which crested at 19.08 feet at 11:00 am on the 20th, 13.08 feet above bank full.							
<b>Callahan County</b>									
Baird	20	0840CST 1230CST			0	0			Flash Flood

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>TEXAS, Central</u></b>									
Heavy rains caused street flooding in Baird and road closures throughout the county.									
<b>San Saba County</b>									
San Saba	20	0902CST 1500CST			0	0			<b>Flash Flood</b>
									Two to four inches of rain in San Saba County overnight and the morning of the 20th caused street flooding in and around the town of San Saba.
<b>Mason County</b>									
Mason	20	0910CST 1230CST			0	0			<b>Flash Flood</b>
									More than five and one half inches of rain fell in the Mason area overnight and the morning of the 20th. This resulted in flooding of low lying areas and road closures.
<b>Concho County</b>									
Eden	20	1330CST			0	0			<b>Thunderstorm Wind (G52)</b>
<b>TXZ155</b>									
									<b>San Saba</b>
	20	1500CST			0	0	50K	50K	<b>Flood</b>
	21	0600CST							River flooding occurred on the San Saba River at San Saba from mid afternoon of the 20th until 6:00 a.m. on the 21st. Flood stage is 24 feet. The crest was 28.65 feet around 8:00 a.m. on the 20th.
<b>TXZ053</b>									
									<b>Mitchell</b>
	21	1145CST 2245CST			0	0			<b>Flood</b>
									Minor flooding occurred on the 21st as the Colorado River at Colorado City reached 8.25 feet at 4:00 p.m. on the 21st. This is just over the flood stage of eight feet.
<b><u>TEXAS, Central Southeast</u></b>									
<b>Galveston County</b>									
Galveston	12	1545CST 1547CST	1.2	25	0	0	120K		<b>Tornado (F0)</b>
									Tornado touched down at 37th St. & Harborside Dr. Sewage treatment plant lost half of its roof. Gas station at 33rd St. & Seawall Blvd. sustained minor damage to its pumps. Also spotty window and fence damage to area homes.
<b>TXZ227</b>									
									<b>Fort Bend</b>
	20	1159CST			0	0	15K		<b>Gradient Wind</b>
									Gradient induced winds flipped an 18-wheeler on FM 529 near Rosenberg.
<b>TXZ237</b>									
									<b>Brazoria</b>
	20	1500CST			0	0	2K		<b>Gradient Wind</b>
									Gradient induced wind blew a tin roof off a patio in Shady Acres Subdivision.
<b>Austin County</b>									
Countywide	20	1505CST 1759CST			0	0	5K		<b>Flash Flood</b>
									Street flooding due to training rains.
<b>Colorado County</b>									
Countywide	20	1505CST 1759CST			0	0	5K		<b>Flash Flood</b>
									Street flooding due to training rains.
<b>Brazos County</b>									
Countywide	20	1505CST 1759CST			0	0	5K		<b>Flash Flood</b>
									Street flooding due to training rains.
<b>Burleson County</b>									
Countywide	20	1505CST 1759CST			0	0	5K		<b>Flash Flood</b>
									Street flooding due to training rains.
<b>Washington County</b>									
Countywide	20	1505CST 1759CST			0	0	5K		<b>Flash Flood</b>
									Street flooding due to training rains.
<b>TXZ213</b>									
									<b>Harris</b>
	20	1550CST			0	0	2K		<b>Gradient Wind</b>
									Gradient induced wind blew trees down in Memorial Park.

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>TEXAS, Central Southeast</u></b>									
<b>Grimes County</b>									
Countywide	20	1559CST 1759CST			0	0	5K		Flash Flood
			Street flooding due to training rains.						
<b>Madison County</b>									
Countywide	20	1559CST 1759CST			0	0	5K		Flash Flood
			Street flooding due to training rains.						
<b>Waller County</b>									
Countywide	20	1604CST 1759CST			0	0	5K		Flash Flood
			Street flooding due to training rains.						
<b>Houston County</b>									
Countywide	20	1625CST 1929CST			0	0	5K		Flash Flood
			Street flooding due to training rains.						
<b>Montgomery County</b>									
Countywide	20	1625CST 1929CST			0	0	5K		Flash Flood
			Street flooding due to training rains.						
<b>Walker County</b>									
Countywide	20	1625CST 1929CST			0	0	5K		Flash Flood
			Street flooding due to training rains.						
<b>TXZ212</b>									
		<b>Waller</b>							
	20	1637CST			0	0	2K		Gradient Wind
			Gradient induced wind blew trees down in Hempstead.						
<b>Fort Bend County</b>									
Simonton	20	1700CST			0	0	5K		Thunderstorm Wind
			Trees blown down at Sanders Rd. in Simonton.						
<b>Harris County</b>									
Houston	20	1700CST			0	0	10K		Thunderstorm Wind
			Tin roof of grocery store peeled back.						
<b>Harris County</b>									
Houston	20	1715CST			0	0	5K		Thunderstorm Wind
			Trees blown down north of Loop 610 and west of I-45.						
<b>Liberty County</b>									
Countywide	20	1835CST 2029CST			0	0	5K		Flash Flood
			Street flooding due to training rains.						
<b>Polk County</b>									
Countywide	20	1835CST 2029CST			0	0	5K		Flash Flood
			Street flooding due to training rains.						

## **TEXAS, Extreme West**

NONE REPORTED.

## **TEXAS, Mid - South**

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>TEXAS, North</b>									
<b>TXZ091&gt;095-102&gt;107- 117&gt;123-131&gt;135- 143&gt;148-156&gt;158- 160&gt;162-174&gt;175 Bowie</b>	12 13	1200CST 0000CST			0	0			<b>Heavy Rain</b>
	<p><b>Montague - Cooke - Grayson - Fannin - Lamar - Wise - Denton - Collin - Hunt - Delta - Hopkins - Parker - Tarrant - Dallas - Rockwall - Kaufman - Van Zandt - Rains - Hood - Somervell - Johnson - Ellis - Henderson - Hamilton - Bosque - Hill - Navarro - Freestone - Anderson - Lampasas - Coryell - Bell - Falls - Limestone - Leon - Milam - Robertson</b></p> <p>An upper level storm moved from the southwestern U.S. across Texas on the 12th. Rich moisture was pulled from the Gulf of Mexico into North Texas ahead of the storm. Widespread rain and thunderstorms developed across the central and eastern portions of northern Texas during the midday hours as the low pressure system moved across the region. Locally heavy rainfall occurred in some areas as strong thunderstorms moved repeatedly over the same places. Widespread one to three inch rains fell with some areas receiving up to five inches. Heavy runoff resulted in scattered flood reports through the evening.</p>								
<b>Hunt County 3 SW Greenville</b>	12	1250CST 1400CST			0	0			<b>Flash Flood</b>
	<p>Water was reported over the access road at I-30 and Farm-to-Market Road 1570.</p>								
<b>Dallas County Seagoville</b>	12	1250CST 1400CST			0	0			<b>Flash Flood</b>
	<p>Water was reported over a Highway 175 access road.</p>								
<b>Johnson County Cleburne</b>	12	1402CST 1600CST			0	0	75K		<b>Flash Flood</b>
	<p>Several roads were closed due to high water and a bridge was washed out by flood waters.</p>								
<b>Coryell County Ft Hood Aaf</b>	12	1505CST 1700CST			0	0			<b>Flash Flood</b>
	<p>Low-water crossings were reported flooded.</p>								
<b>Coryell County 10 W Gatesville</b>	12	1530CST 1730CST			0	0			<b>Flash Flood</b>
	<p>The low-water crossing on County Road 137 was flooded by heavy rains. A car driven into the flood waters was washed away, necessitating the rescue of its driver.</p>								
<b>Hill County Hillsboro</b>	12	1800CST 2000CST			0	0			<b>Flash Flood</b>
	<p>Portions of County Roads 1413 and 1439 were washed out by flood waters. High water was over portions of Farm-to-Market Road 934.</p>								
<b>McLennan County Moody</b>	12	1805CST 2000CST			0	0			<b>Flash Flood</b>
	<p>Theresa Road was closed due to high water.</p>								
<b>Denton County Denton</b>	12	1812CST 2000CST			0	0			<b>Flash Flood</b>
	<p>Flooding was reported in several low-lying areas across the county.</p>								
<b>Ellis County Waxahachie</b>	12	2210CST 2330CST			0	0			<b>Flash Flood</b>
	<p>Ten to fifteen roads were covered with water and closed across the county.</p>								
<b>Johnson County Cleburne</b>	12	2211CST 2330CST			0	0			<b>Flash Flood</b>
	<p>Low-lying areas throughout the county were flooded and roads were closed in Cleburne.</p>								
<b>Bosque County Valley Mills</b>	12	2213CST 2330CST			0	0			<b>Flash Flood</b>
	<p>Farm-to-Market Road 1637 was closed due to high water.</p>								

# Storm Data and Unusual Weather Phenomena

February 1997

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

## 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**

<b>19</b>	<b>0900CST</b>				<b>0</b>	<b>0</b>			<b>Heavy Rain</b>
<b>21</b>	<b>0130CST</b>								

Another heavy rain event began to develop across northern Texas during the early morning hours of the 19th as a strong upper level storm system approached the area from the southwestern United States. This event unfolded in a similar fashion to the heavy rain event of the 12th. Deep moisture returned to the region ahead of the approaching storm and widespread rain and thunderstorms developed over the area early on the 19th. A cold front pushed into North Texas and helped provide further focus for showers, thunderstorms and heavy rainfall as the precipitation moved repeatedly over the same places. By the evening of the 19th, generally one to three inches of rain had fallen across most of northern Texas. Heavier rains of two to five inches had occurred west of a Gainesville, Arlington to Waco line including 4.80 inches in Annetta and 4.25 inches in Saginaw. Another one to two inches of rain fell across most of North Texas on the 20th with a heavier band of two to four inch amounts along a Jacksboro, Stephenville to Goldthwaite line. Soils were nearly saturated from earlier rains during the month and these two days of very heavy rainfall resulted in serious and widespread flash flooding. Numerous rescues had to be performed as motorists attempting to drive through flood waters were either stranded or washed off the road. One fatality resulted when a car was washed into a ditch by a flooded stream. Flood waters washed away portions of roads and resulted in significant damage.

### **Dallas County**

<b>Hutchins</b>	<b>19</b>	<b>1220CST</b>			<b>1</b>	<b>0</b>			<b>Lightning</b>
		<b>1221CST</b>							

A truck driver, who was involved in a two car automobile accident, was struck and killed by lightning after leaving his vehicle to check on the occupants of the other car. M50OU

### **Dallas County**

<b>Mesquite</b>	<b>19</b>	<b>1343CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		<b>1530CST</b>							

Service roads were closed due to flooding and several rescues had to be performed when cars became stranded.

### **Dallas County**

<b>Dallas</b>	<b>19</b>	<b>1505CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		<b>1700CST</b>							

Eight streets were closed due to high water throughout the city.

### **Hamilton County**

<b>Hamilton</b>	<b>19</b>	<b>1630CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		<b>1830CST</b>							

Streets were flooded and some roads had to be closed due to high water. A local cooperative observer reported 4.95 inches of rain in the area.

### **Collin County**

<b>Plano</b>	<b>19</b>	<b>1630CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		<b>1800CST</b>							

Numerous streets were reported flooded.

### **Collin County**

<b>Mc Kinney</b>	<b>19</b>	<b>1651CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		<b>1830CST</b>							

Several secondary roads were reported under water throughout the county.

### **Parker County**

<b>Weatherford</b>	<b>19</b>	<b>1735CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		<b>2000CST</b>							

Portions of White Settlement Road were reported under water and several cars were stranded in the flood waters.

### **Collin County**

<b>Lolaville</b>	<b>19</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		<b>2000CST</b>							

Highway 121 was reported flooded.

### **Parker County**

<b>Aledo</b>	<b>19</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		<b>2000CST</b>							

3.37 inches of rain in 11 hours resulted in flooding in and around town.

### **Collin County**

<b>Farmersville</b>	<b>19</b>	<b>1825CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		<b>2000CST</b>							

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>TEXAS, North</u></b>									
2.70 inches of rain in 12 hours caused minor flooding in and around town.									
<b>Johnson County</b>									
<b>Godley</b>	19	1905CST 2100CST			0	0			<b>Flash Flood</b>
Numerous roads were reported flooded across the county.									
<b>Dallas County</b>									
<b>Dallas</b>	19	1910CST 2100CST			0	0			<b>Flash Flood</b>
Numerous roads were reported flooded across the county.									
<b>Denton County</b>									
<b>Justin</b>	19	1930CST 2100CST			1	0			<b>Flash Flood</b>
A car was washed off Highway 114 by flood waters. Three people were in the car when it went off the road. A mother and one of her children were rescued but the other young child was drown by the flood current. M2VE									
<b>Hood County</b>									
<b>Granbury</b>	19	2044CST 2200CST			0	0			<b>Flash Flood</b>
Excessive rainfall of 3.20 inches in 12 hours caused serious flooding throughout the county. Some roads reportedly had four feet of water covering them.									
<b>Somervell County</b>									
<b>Glen Rose</b>	19	2047CST 2230CST			0	0			<b>Flash Flood</b>
Several low water crossings were impassable due to high water.									
<b>Cooke County</b>									
<b>Gainesville</b>	19	2055CST 2230CST			0	0			<b>Flash Flood</b>
Water was reported over portions of Highway 82.									
<b>Denton County</b>									
<b>Denton</b>	19	2105CST 2300CST			0	0			<b>Flash Flood</b>
Widespread flooding was reported across the county, including areas that usually do not flood. Several roads throughout the county were closed including Highway 114 and Highway 377.									
<b>Wise County</b>									
<b>Decatur</b>	19	2108CST 2300CST			0	0			<b>Flash Flood</b>
Numerous roads throughout the county were flooded and subsequently closed due to high water.									
<b>Hunt County</b>									
<b>Greenville</b>	19	2125CST 2300CST			0	0			<b>Flash Flood</b>
Highway 380 on the west side of Greenville was reported flooded.									
<b>Parker County</b>									
<b>Weatherford</b>	19	2140CST 2300CST			0	0			<b>Flash Flood</b>
Numerous roads were closed due to high water. The driver of a pickup truck had to be rescued from a tree after he tried to cross a flooded low water crossing.									
<b>Rockwall County</b>									
<b>Rockwall</b>	19	2140CST 2300CST			0	0			<b>Flash Flood</b>
Roads were closed in and around town due to high water.									
<b>Palo Pinto County</b>									
<b>Palo Pinto</b>	19	2148CST 2330CST			0	0			<b>Flash Flood</b>
Numerous roads were flooded and closed throughout the county.									
<b>Jack County</b>									
<b>Jacksboro</b>	19	2210CST 2330CST			0	0			<b>Flash Flood</b>
Roads were reported flooded in and around town.									
<b>Tarrant County</b>									
<b>Hurst</b>	20	0110CST 0200CST			0	0			<b>Flash Flood</b>

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>TEXAS, North</u></b>									
An eleven year old child was washed down a swollen storm drain and had to be rescued.									
<b>Cooke County</b> 3 SE Valley View	20	0310CST 0500CST			0	0			<b>Flash Flood</b>
Rising flood waters prompted the evacuations of homes along Pecan Creek.									
<b>Johnson County</b> Cleburne	20	0425CST 0600CST			0	0	150K		<b>Flash Flood</b>
High water was reported over numerous roads throughout the county with road closures resulting. Several bridges were washed out by flood waters.									
<b>Tarrant County</b> Ft Worth	20	0455CST 0630CST			0	0			<b>Flash Flood</b>
Trinity Boulevard at I-820 was reported flooded.									
<b>Hamilton County</b> Hamilton	20	0455CST 0700CST			0	0			<b>Flash Flood</b>
Low-lying areas were flooded throughout the county.									
<b>Jack County</b> Jacksboro	20	0500CST 0800CST			0	0	34K		<b>Flash Flood</b>
Numerous roads throughout the county were flooded and several had portions washed out.									
<b>Erath County</b> Stephenville	20	0535CST 0800CST			0	0			<b>Flash Flood</b>
Low-lying areas throughout the county were reported flooded.									
<b>Hood County</b> Granbury	20	0540CST 0800CST			0	0			<b>Flash Flood</b>
Low-lying areas throughout the county were reported flooded.									
<b>Somervell County</b> Glen Rose	20	0545CST 0800CST			0	0			<b>Flash Flood</b>
Low-lying areas throughout the county were reported flooded.									
<b>Parker County</b> Aledo	20	0549CST 0800CST			0	0			<b>Flash Flood</b>
Several low-lying areas in the eastern portion of the county were flooded.									
<b>Eastland County</b> Gorman	20	0600CST 0800CST			0	0			<b>Flash Flood</b>
A truck was washed off the road while attempting to cross a low water crossing.									
<b>Comanche County</b> Comanche	20	0655CST 0900CST			0	0			<b>Flash Flood</b>
Several roads in and around town were reported flooded.									
<b>Mills County</b> Priddy	20	0733CST 1000CST			0	0			<b>Flash Flood</b>
Water was reported over portions of Highway 218 from Democrat to Priddy.									
<b>Eastland County</b> Cisco	20	0800CST 1100CST			0	0			<b>Flash Flood</b>
The Leon River came out of its banks and flooded several nearby roads.									
<b>Erath County</b> Stephenville	20	0834CST 1100CST			0	0			<b>Flash Flood</b>
Several streets were closed in and around town due to high water.									

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property Crops	Character of Storm
<b>TEXAS, North</b>								
<b>Hamilton County</b>								
Hamilton	20	0835CST 1300CST			0	0	2.3M	Flash Flood
								Pecan Creek was out of its banks and all low-lying areas throughout the county remained flooded. Two bridges, one over the Lampasas River and the other over Cowhouse Creek, were washed out. One home sustained severe damage from flooding and several others received minor damage. Numerous livestock were lost to the flood waters. A cooperative observer measured 9.66 inches of rain in Hamilton since early on the 19th.
<b>Palo Pinto County</b>								
Palo Pinto	20	0840CST 1100CST			0	0		Flash Flood
								Numerous roads were flooded and subsequently closed throughout the county.
<b>Parker County</b>								
Anneta	20	0846CST 1000CST			0	0	75K	Flash Flood
								A bridge was washed out by flood waters.
<b>TXZ118</b>								
		<b>Tarrant</b>						
	20	0900CST			0	0	50K	Flood
	21	2000CST						Two days of heavy rain caused the level of Lake Worth to rise and flood a local business.
<b>Hood County</b>								
Acton	20	0909CST 1200CST			0	0		Flash Flood
								Several roads were closed in the area due to high water.
<b>Eastland County</b>								
Eastland	20	1000CST 1200CST			0	0		Flash Flood
								Main Street was flooded by high water.
<b>Comanche County</b>								
Comanche	20	1100CST 1300CST			0	0		Flash Flood
								Several roads throughout the county were barricaded due to high water.
<b>Young County</b>								
Olney	20	1100CST 1400CST			0	0		Flash Flood
								Several roads were flooded in and around town.
<b>Parker County</b>								
Weatherford	20	1131CST 1132CST	0.1	20	0	0		Tornado (F0)
								A brief tornado touchdown was reported.
<b>Parker County</b>								
3 W Springtown	20	1138CST 1139CST	0.1	20	0	0	5K	Tornado (F0)
								Barns were damaged and trees were blown down by a brief tornado.
<b>Johnson County</b>								
Cleburne	20	1140CST			0	0	5K	Thunderstorm Wind
								Strong winds blew a storage building onto a road in the southeast side of town.
<b>Wise County</b>								
Cottondale	20	1147CST			0	0		Thunderstorm Wind (G50)
								Strong winds blew down large tree limbs.
<b>Wise County</b>								
Boyd	20	1150CST			0	0		Thunderstorm Wind (G50)
								Strong winds caused extensive tree damage.
<b>Tarrant County</b>								
Benbrook	20	1200CST 1203CST	1	35	0	0		Tornado (F0)
								A weak tornado caused intermittent tree damage along a narrow path.
<b>Mills County</b>								
Goldthwaite	20	1207CST 1500CST			0	0		Flash Flood

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>TEXAS, North</b>									
Numerous roads throughout the county were reported flooded and closed through mid-afternoon. Rescues of stranded motorists were necessary.									
<b>Tarrant County</b>									
<b>Arlington</b>	20	1257CST			0	0	15K		<b>Thunderstorm Wind</b>
	Several homes sustained roof damage and a large tree was blown down by strong winds. The fence, garage door, shed and hot tub were also damaged by the winds.								
<b>Henderson County</b>									
<b>Athens</b>	20	1300CST 1500CST			0	0			<b>Flash Flood</b>
	Several roads in and around town were closed due to high water.								
<b>Hamilton County</b>									
<b>Hamilton</b>	20	1405CST 1900CST			0	0			<b>Flash Flood</b>
	Roads were closed in and around town while low-water crossings throughout the county remained flooded. The Leon River was out of banks and threatened a home.								
<b>Lampasas County</b>									
<b>Lampasas</b>	20	1420CST 1600CST			0	0			<b>Flash Flood</b>
	Several roads were closed due to high water in and around town.								
<b>Bosque County</b>									
<b>Meridian</b>	20	1420CST 1700CST			0	0			<b>Flash Flood</b>
	Several secondary roads were flooded throughout the county.								
<b>Van Zandt County</b>									
<b>Canton</b>	20	1447CST 1700CST			0	0			<b>Flash Flood</b>
	Three roads were closed due to flooding in various locations across the county.								
<b>Lampasas County</b>									
<b>Lameta</b>	20	1500CST 1800CST			0	0			<b>Flash Flood</b>
	Creeks overflowed their banks and flooded nearby roads. A local cooperative observer recorded 5.25 inches of rain in the area.								
<b>Mclennan County</b>									
<b>Riesel</b>	20	1500CST 1800CST			0	0			<b>Flash Flood</b>
	A creek overflowed its banks and flooded a nearby road.								
<b>Fannin County</b>									
<b>Honey Grove</b>	20	1500CST 1800CST			0	0			<b>Flash Flood</b>
	Several roads were closed due to flooding.								
<b>Mills County</b>									
<b>Goldthwaite</b>	20	1600CST 2000CST			0	0	2M		<b>Flash Flood</b>
	Six to eight inches of rain fell across the area causing numerous roads to flood. Sixty percent of the 485 miles of gravel roads across the county were washed away by flood waters.								
<b>Henderson County</b>									
<b>Athens</b>	20	1600CST 1900CST			0	0			<b>Flash Flood</b>
	Numerous roads were flooded. Several cars were stranded in flood waters, prompting the rescues of several people.								
<b>Rains County</b>									
<b>Emory</b>	20	1609CST 1800CST			0	0			<b>Flash Flood</b>
	Several low-lying areas throughout the county were reported flooded.								
<b>Hopkins County</b>									
<b>Sulphur Spgs</b>	20	1610CST 1900CST			0	0	20K		<b>Flash Flood</b>
	Numerous roads were closed throughout the county due to flooding. A car was emerged in water with one rescue necessary. Several residences received minor flooding. A local cooperative observer measured three inches of rain in the area.								
<b>Mclennan County</b>									
<b>China Spg</b>	20	1707CST 2000CST			0	0			<b>Flash Flood</b>

# Storm Data and Unusual Weather Phenomena

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					Killed	Injured	Property	Crops	
<b><u>TEXAS, North</u></b>									
Several roads were closed in and around town.									
<b>Parker County</b> Weatherford	20	1755CST 2000CST			0	0			<b>Flash Flood</b>
Numerous roads and low-lying areas were reported flooded, especially in the eastern half of the county.									
<b>Palo Pinto County</b> Palo Pinto	20	1758CST 2000CST			0	0			<b>Flash Flood</b>
Numerous roads throughout the county remained flooded and closed.									
<b>Hood County</b> Granbury	20	1759CST 2030CST			0	0			<b>Flash Flood</b>
Several roads throughout the county continued to be impassable due to high water.									
<b>Somervell County</b> Glen Rose	20	1800CST 2100CST			0	0			<b>Flash Flood</b>
Low-lying areas remained flooded throughout the county.									
<b>Hopkins County</b> Sulphur Spgs	20	1820CST 2100CST			0	0			<b>Flash Flood</b>
Numerous roads were closed due to high water. Several vehicles were stranded.									
<b>Lamar County</b> Paris	20	1825CST 2000CST			0	0			<b>Flash Flood</b>
Several roads were closed due to high water throughout the county.									
<b>Van Zandt County</b> Canton	20	1855CST 2100CST			0	0			<b>Flash Flood</b>
Several roads throughout the county continued to have high water over them.									
<b>Jack County</b> Jacksboro	20	1925CST 2200CST			0	0			<b>Flash Flood</b>
Several roads were closed due to high water throughout the county.									
<b>Rains County</b> Emory	20	1950CST 2200CST			0	0			<b>Flash Flood</b>
Several county roads remained closed due to flooding.									
<b>Delta County</b> Cooper	20	1950CST 2200CST			0	0			<b>Flash Flood</b>
Numerous roads were flooded and subsequently closed throughout the county.									
<b>Wise County</b> Decatur	20	2023CST 2300CST			0	0			<b>Flash Flood</b>
Several roads were closed throughout the county.									
<b>Lamar County</b> Paris	20	2040CST 2300CST			0	0			<b>Flash Flood</b>
Several roads continued to be closed throughout the county. A car was stranded in Paris on a flooded road.									
<b>Henderson County</b> Athens	20	2100CST 2300CST			0	0			<b>Flash Flood</b>
Numerous roads were flooded and closed due to high water.									
<b>Van Zandt County</b> Canton	20	2100CST 2330CST			0	0			<b>Flash Flood</b>
Numerous roads were flooded and closed due to high water.									

# Storm Data and Unusual Weather Phenomena

February 1997

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, North

### **Bosque County**

#### **Meridian**

	20	2300CST			0	0		<b>Flash Flood</b>
	21	0200CST						

Creeks overflowed their banks and flooded nearby roads.

#### **TXZ131**

#### **Hood**

	21	2200CST			0	0	100K		<b>Flood</b>
	22	1800CST							

Runoff from several days of heavy rain resulted in flooding of the Brazos River and Lake Granbury. The evacuations of 20 homes ensued as high water threatened several communities. Water up to three feet deep was reported in a few homes.

## TEXAS, North Panhandle

NONE REPORTED.

## TEXAS, Northeast

### **Angelina County**

#### **Huntington**

	07	0830CST			0	0		<b>Hail (0.75)</b>
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#### **TXZ124-136>138-150>151-153**

#### **Wood - Smith - Gregg - Harrison - Rusk - Panola - Shelby**

	12	0800CST			0	0		<b>Flood</b>
	28	1800CST						

Heavy rain caused the Sabine River to rise well above flood stage at numerous points. Rainfall runoff and reservoir discharge from Lake Fork and Lake Tawakoni all contributed to the rapid rise of the river. On the 22nd in Mineola, the Sabine crested at 18.1 feet which was 4.1 feet above flood stage. Near Quitman, Lake Fork creek, a tributary of the Sabine, rose to 19.0 feet which was 3 feet above flood stage. At Gladewater, the river crested at 34.7 feet on the 28th which was 8.7 feet above flood stage. Small buildings and oil wells were flooded. This was quite a contrast to the summer of 1996 when drought forced Lake Towokani to 10 feet below normal.

### **Shelby County**

#### **12 W Center**

	12	2100CST			0	0		<b>Urban/Sml Stream Fld</b>
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FM138 was closed due to high water.

### **Angelina County**

#### **2 SW Lufkin**

	12	2100CST			0	0		<b>Flash Flood</b>
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Hurricane creek was out of its banks causing significant low land flooding. Sever inches of water was reported across FM324.

### **Harrison County**

#### **Marshall**

	12	2300CST			0	0		<b>Flash Flood</b>
	13	0200CST						

Heavy rain of 2.60 inches set a 24 hour rainfall record for the city. As a result, numerous reports of flooding with several city roads closed due to high water.

### **Smith County**

#### **Lindale**

	20	1630CST			0	0		<b>Thunderstorm Wind</b>
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Heavy rainfall resulted in flash flooding across FM1804.

### **Smith County**

#### **8 W Tyler**

	20	1630CST			0	0		<b>Flash Flood</b>
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Hwy 64 was closed due to high water.

### **Smith County**

#### **Flint**

	20	1630CST			0	0		<b>Flash Flood</b>
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FM2868 was flooded and closed due to high water.

### **Nacogdoches County**

#### **Nacogdoches**

	20	1630CST			0	0		<b>Flash Flood</b>
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Severe flooding in town.

### **Cass County**

#### **3 N Hughes Spgs to 3.5 WSW Marietta**

	20	1711CST	8	50	0	0		<b>Tornado (F0)</b>
		1716CST						

A weak tornado toppled numerous trees along an 8 mile path in a rural wooded area. Tops were taken off of trees as well. No injuries or damage to structures occurred.

### **Upshur County**

#### **Big Sandy**

	20	1715CST			0	0		<b>Flash Flood</b>
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Flooding along Hwy 80.

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>TEXAS, Northeast</b>									
<b>Cherokee County</b> Jacksonville	20	1730CST			0	0			<b>Flash Flood</b> Heavy rain caused numerous flooding reports. CR4223, CR4307, CR4905, CR1615, CR2707, CR1411, CR2107, CR4222, FM1247 and FM23 were all closed due to high water. In Jacksonville, the VFD rescued a man from his vehicle which was stranded by high water. The runoff, 3 feet deep, was so swift it took a life jacket, rope and ladder to get him out. A total of 20 cars were stranded in Jacksonville.
<b>Franklin County</b> 2 S Mt Vernon	20	1730CST			0	0			<b>Thunderstorm Wind (G60)</b> Trees were blown down across Hwy 115 causing a three car accident. No injuries were reported.
<b>Upshur County</b> Gilmer	20	1730CST			0	0			<b>Flash Flood</b> Heavy rain washed out numerous roads including CR1795, CR555, and CR852.
<b>Upshur County</b> 12 W Gilmer	20	1730CST			0	0			<b>Flash Flood</b> Heavy rainfall resulted in flash flooding which swept away a camper trailer on TX 154.
<b>Rusk County</b> Henderson	20	1755CST			0	0			<b>Flash Flood</b> Numerous reports of flooding in town with several roads closed.
<b>Gregg County</b> Kilgore	20	1755CST			0	0			<b>Flash Flood</b> Numerous reports of street flooding in the city. The Kilgore Fire Dept rescued a man stranded after driving off into a drainage area. His car was almost totally submerged with runoff water.
<b>Wood County</b> 3 SW Quitman	20	1800CST			0	0			<b>Flash Flood</b> CR220 was completely closed due to high water.
<b>Franklin County</b> 2 SE Hagansport	20	1800CST			0	0			<b>Flash Flood</b> CR2220 was closed due to high water.
<b>Red River County</b> 2 S Clarksville	20	1800CST			0	0			<b>Flash Flood</b> FM 909 was washed out by excessive rainfall closing the road.
<b>Red River County</b> 2 N Detroit	20	1800CST			0	0			<b>Flash Flood</b> FM 410 was closed due to high water.
<b>Camp County</b> Pittsburg	20	1800CST			0	0			<b>Flash Flood</b> Numerous cars were stalled and stranded in high water.
<b>Upshur County</b> Big Sandy	20	1805CST			0	0	3K		<b>Thunderstorm Wind (G60)</b> Several trees were toppled including one which fell across a gift shop producing minor damage.
<b>Titus County</b> 2 S Mt Pleasant	20	1805CST			0	0			<b>Thunderstorm Wind (G60)</b>
<b>Harrison County</b> 3 N Marshall	20	1805CST			0	0			<b>Thunderstorm Wind (G60)</b> Several trees down across power lines producing power outages.
<b>Upshur County</b> 10 N Gladewater	20	1807CST			0	0			<b>Flash Flood</b> Hwy 271 was closed due to high water.
<b>Titus County</b> 2 SE Mt Pleasant	20	1809CST			0	0			<b>Thunderstorm Wind (G60)</b>
<b>Red River County</b> Annona	20	1810CST			0	0			<b>Flash Flood</b> State Hwy 82 was closed due to high water.
<b>Camp County</b> 1 N Pittsburg	20	1810CST			0	0			<b>Thunderstorm Wind (G60)</b>
<b>Morris County</b> 2 S Dangerfield	20	1812CST			0	0			<b>Thunderstorm Wind (G60)</b>

# Storm Data and Unusual Weather Phenomena

February 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b><u>TEXAS, Northeast</u></b>									
									Trees and powerlines down across FM3110 and FM997.
<b>Camp County</b> 2 E Pittsburg	20	1812CST			0	0			Thunderstorm Wind (G63)
<b>Marion County</b> 2 NW Jefferson	20	1820CST			0	0			Thunderstorm Wind (G60)
<b>Harrison County</b> Harleton	20	1822CST			0	0			Thunderstorm Wind (G65)
<b>Bowie County</b> New Boston	20	1830CST			0	0			Flash Flood
									Numerous street flooding and closures.
<b>Smith County</b> 2 W Tyler	20	1830CST			0	0			Flash Flood
									Hwy 64 was closed due to high water.
<b>Smith County</b> 1 N Lindale	20	1830CST			0	0			Flash Flood
									FM 1804 was closed due to high water.
<b>Smith County</b> 7 S Tyler	20	1830CST			0	0			Flash Flood
									FM 2868 was closed due to high water.
<b>Cass County</b> Hughes Spgs	20	1830CST			0	0			Thunderstorm Wind (G60)
<b>Cass County</b> 1 SE Hughes Spgs	20	1845CST			0	0			Flash Flood
									Hwy 49 was closed and washed out in many places.
<b>Cass County</b> 2 N Hughes Spgs	20	1845CST			0	0			Flash Flood
									FM250 was closed due to high water.
<b>Gregg County</b> Longview	20	1900CST			0	0			Flash Flood
									Numerous city streets were underwater with some roads closed.
<b>Gregg County</b> Kilgore	20	1900CST			0	0			Flash Flood
									Numerous city streets underwater with cars stranded by high water. Some roads closed.
<b>Smith County</b> Tyler	20	1900CST 2000CST			0	0			Heavy Rain
									Rainfall totaled 1.87 inches in one hour.
<b>Bowie County</b> 1 W Texarkana	20	1930CST			0	0			Thunderstorm Wind (G60)
<b>Angelina County</b> Lufkin	20	2000CST			0	0			Flash Flood
									Numerous traffic accidents along with roads washed out resulted in road closures. Several cars stalled during street flooding and a bridge collapsed in town.
<b>Titus County</b> Mt Pleasant	20	2000CST			0	0			Flash Flood
									Heavy rain resulted in numerous road closures. Several cars were stranded along FM1001 where rescue workers had to free motorists from their vehicles.
<b>Titus County</b> Mt Pleasant	20	2000CST			0	0			Heavy Rain
									Rainfall of 3.96 inches fell in 3 hours.

**TEXAS, South**

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

February 1997

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, South Central

**TXZ183>184-202>206-217>222-228**    **Val Verde - Edwards - Kinney - Uvalde - Medina - Bexar - Comal - Maverick - Zavala - Frio - Atascosa - Wilson - Karnes - Dimmit**

01	0001CST					0	0	6M	12M	<b>Drought</b>
28	2359CST									

Drought persisted through February across the southwestern half of South Central Texas. Brief periods of light rain during the month continued to add small amounts of moisture to soils across the area. 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**

**Countywide to Countywide**

19	2300CST					0	2	50K	0	<b>Flash Flood</b>
20	0530CST									

Widespread flash flooding developed along Johnson's Draw and the Devil's River in response to very heavy rainfall with accumulations of up to 5 inches. Flash flooding began in the city of Del Rio shortly after midnight. The flooding was severe enough at the Del Rio airport that the early morning upper air weather balloon could not even be launched. One man trapped by the flooding kicked out the windshield of his vehicle in order to escape. Another 4X4 was reported completely under water and washed 200 yards downstream. This gentleman escaped when the pickup momentarily hung up on an island and he was able to swim to safety.

### **Real County**

**Countywide**

20	0800CST					0	0	0	0	<b>Flash Flood</b>
	0930CST									

Rainfall of up to 3 inches over the eastern part of the county caused brief flash flooding.

### **Gillespie County**

**Countywide**

20	0800CST					0	0	20K	10K	<b>Flash Flood</b>
	1330CST									

Rainfall of up to 5 inches in western Gillespie County early in the morning of the 20th produced widespread flash flooding over mainly the northern part of the county.

### **Kerr County**

**Countywide**

20	0900CST					0	0	75K	10K	<b>Flash Flood</b>
	1100CST									

Rainfall of nearly 5 inches in the early morning hours over northern Kerr County produced widespread flash flooding across essentially all of the county. Many roads were still under repair from the flooding two days after the event.

### **Llano County**

**Countywide**

20	1000CST					0	0	50K	20K	<b>Flash Flood</b>
	1400CST									

Rainfall of up to 8 inches upstream along the Llano River early in the morning of February 20th produced severe flash flooding along the river across Llano County. The greatest amount of damage was due to the flooding of the Llano River itself, as noted below.

### **TXZ171**

#### **Llano**

20	1000CST					2	0	2M	50K	<b>Flood</b>
21	1000CST									

Rainfall of up to 8 inches just west of Llano County early in the morning of February 20th produced a very rapid rise and severe flooding along the Llano River. The combination of thunderstorm winds estimated at 40 mph and the wave action on the lake swamped a 16-foot flat bottom boat with two fishermen on Lake Buchanan near 330 pm on the 20th. The two were attempting to move toward shore as the rain became heavier. The Llano crested at 28.8 feet, 178,000 cfs, just under the crest of the severe flood the previous October. This flooding caused major damage to marine and lakeside facilities in Lake LBJ and downstream. Some marine owners received several hundred thousand dollars of damages as the momentum of the fast moving water carried docks, marinas, and boats downstream. Some stories were heartbreaking because the facility owners were repairing the massive damages created by last October's flood. M61BO, M68BO

### **Kendall County**

**Countywide**

20	1100CST					0	0	15K	0	<b>Flash Flood</b>
	1200CST									

Rainfall of up to 3 inches in less than an hour produced flash flooding over much of the county. A woman and her 12-year old granddaughter were trapped near Comfort when their van stalled in a flooded low water crossing. Fortunately the two were rescued without injury, but the van was lost.

### **Lavaca County**

**Countywide**

20	1230CST					0	0	10K	0	<b>Flash Flood</b>
	1400CST									

Rainfall of up to 2 inches in around 30 minutes produced flash flooding in and around the Hallettsville area. Several streets and roads were impassable for over an hour.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## TEXAS, South Panhandle

<b>TXZ033&gt;035-039&gt;041</b>	<b>Cochran - Hockley - Lubbock - Yoakum - Terry - Lynn</b>								
	12	0700CST			0	0	0	0	<b>Heavy Snow</b>
		1300CST							

Localized heavy snow fell across the southwest part of the South Plains on the 12th. The most snow was reported in Cochran, Hockley, Yoakum, Terry, Lynn, and southern Lubbock Counties, with lesser amounts in a few adjacent counties. Sundown (Hockley Co.) reported the greatest amount: 12 inches. Other large totals were Levelland (8 inches), near Slaton (8 inches), and Brownfield (7 inches). Generally, most areas in those six counties received 4 to 6 inches (though the city of Lubbock escaped with only 2-3 inches).

Additional snow fell across the area again the next day, but accumulations were far less (mainly 1 to 3 inches).

## TEXAS, Southeast

NONE REPORTED.

## TEXAS, West

<b>TXZ045</b>	<b>Gaines</b>								
	12	0715CST			0	0			<b>Heavy Snow</b>
	13	1600CST							

An upper level low pressure system over northern Mexico provided necessary lift over the region to produce measurable snow over a large area averaging 1-2" and a total of 5" in Seminole. The snow was said to have been very wet.

## TEXAS, Western North

<b>TXZ086</b>	<b>Wichita</b>								
	20	2342CST			0	0			<b>High Wind (G50)</b>

A Wichita Falls radio station reported winds gusting to 58 mph as a cold front moved through the area late Thursday, February 20th.

## UTAH, North, Central and South

<b>UTZ006&gt;010-023</b>	<b>Wasatch Mountain Valleys/Huntsville/Park City/Heber - Wasatch Mountains I80 North - Wasatch Mountains South Of I80 - Western Unita Mountains - Wasatch Plateau/Book Cliffs - Eastern Uinta Mountains</b>								
	02	0400MST			0	5	50K		<b>Heavy Snow</b>
	03	0400MST							

A weak winter storm moved through Utah. Heavy snow fell mainly in the northern mountains. Generally 2-6" accumulated in the valleys and 7-18" in the mountains. The Alta Ski Resort received the most snow with 18". Aside from several traffic accidents, no other serious damage was reported.

<b>UTZ003&gt;004-006&gt;008-010-015&gt;017</b>	<b>Salt Lake And Toole Valleys - Southern Wasatch Front/Lehi/Provo/Nephi - Wasatch Mountain Valleys/Huntsville/Park City/Heber - Wasatch Mountains I80 North - Wasatch Mountains South Of I80 - Wasatch Plateau/Book Cliffs - West Central Utah/Delta - Southwest Utah/Cedar City/Milford - Central And Southwest Mountains</b>								
	05	0600MST			0	10	200K		<b>Heavy Snow</b>
	06	0600MST							

An upper-level disturbance moved through Utah. Criteria snowfall occurred in several locations. The Solitude ski resort measured the most snow in the mountains with 10". For the valleys, both Tooele and Sandy received 6". Due to the heavy snow falling during rush-hour, numerous traffic accidents occurred.

<b>UTZ008-017</b>	<b>Wasatch Mountains South Of I80 - Central And Southwest Mountains</b>								
	12	0600MST			0	2	20K		<b>Heavy Snow</b>
		1800MST							

A fast-moving cold front swept through the state on this date. Criteria snowfall occurred in a few mountain locations. The Alta ski resort received the most snow with 15". Most valley locations received 1-3". Several minor traffic accidents were reported.

<b>UTZ002&gt;003-007&gt;010-017</b>	<b>Northern Wasatch Front/Brigham City/Ogden Bountiful - Salt Lake And Toole Valleys - Wasatch Mountains I80 North - Wasatch Mountains South Of I80 - Western Unita Mountains - Wasatch Plateau/Book Cliffs - Central And Southwest Mountains</b>								
	17	0100MST			0	4	80K		<b>Heavy Snow</b>
		1400MST							

A disturbance moved through northern Utah leaving heavy snowfall in most locations. The Alta ski resort once again led the way with 16". In the southern mountains, Duck Creek Village had 9". Highest in the valleys was along the Bountiful Bench where 6" of snow accumulated. Several traffic accidents again occurred due to low visibilities and snowpacked roadways.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## UTAH, North, Central and South

### **UTZ015 West Central Utah/Delta**

19	2300MST				0	2	20K		Winter Storm
20	0600MST								

Light snow and gusty winds occurred as a cold front swept through the state. 5-6" of snow fell in the Fillmore and Kanosh areas, otherwise amounts remained below warning criteria. Northwest winds gusted generally from 35-45 mph. The strongest gust was measured in American Fork at 48 mph. Little damage was reported.

### **UTZ017 Central And Southwest Mountains**

23	1100MST				0	0			Heavy Snow
24	0300MST								

Heavy snow developed in the southern Utah mountains as an upper-level low pressure system moved through. The Brian Head ski resort measured 11" of snow. No damage or injuries were reported due to the snowfall.

### **UTZ002-007 Northern Wasatch Front/Brigham City/Ogden Bountiful - Wasatch Mountains I80 North**

24	0400MST				0	3	4.3M		High Wind (G94)
	1400MST								

Strong low pressure over southern Utah brought high winds to the state. Easterly wind gusts generally from 40-60 mph occurred in northern Utah. Winds were funneled through the canyons of the Wasatch Front with widespread damage occurring. Some peak wind gusts were: Mt. Ogden peak (9600' ASL) at 94 mph (82 kts), Centerville at 81 mph (70 kts), Uintalands (8400' ASL) at 60 mph (52 kts), and 65 mph (56 kts) in the Ogden and Bountiful Bench areas. Several tractor-trailers were blown over. There were numerous reports of shingles and siding being removed from houses. Hundreds of large trees were uprooted along with some fences. Power outages and school closures occurred as well.

### **UTZ002>004-006>010-012-015>018-020 Northern Wasatch Front/Brigham City/Ogden Bountiful - Salt Lake And Toole Valleys - Southern Wasatch Front/Lehi/Provo/Nephi - Wasatch Mountain Valleys/Huntsville/Park City/Heber - Wasatch Mountains I80 North - Wasatch Mountains South Of I80 - Western Unita Mountains - Wasatch Plateau/Book Cliffs - Castle Country/Price/Castle/Dale/Emery - West Central Utah/Delta - Southwest Utah/Cedar City/Milford - Central And Southwest Mountains - Southeast Mountains/Canyonlands - South Central Utah/Kanab/Escalante**

26	2200MST				0	20	500K		Heavy Snow
28	1700MST								

A strong, slow-moving storm system dumped heavy snow on most of the state. The Snowbird ski resort received the most with 38". Generally the mountains received 1-3' of snow. Nephi and Kanab had the most in the valleys with 15". Several small avalanches occurred fortunately with no one being hurt. Numerous traffic accidents and other minor damage occurred.

## UTAH, Northeast

NONE REPORTED.

## VERMONT, North and Central

### **VTZ006>007-010-012 Lamoille - Caledonia - Orange - Windsor**

04	2100EST				0	0	55K		Winter Storm
05	1100EST								

A storm system developed over the Mississippi Valley on Tuesday (2/4/97) and moved northeast through the Eastern Great Lakes late Tuesday night and then across Northern New England Wednesday (2/5/97).

In general, between 4 and 8 inches of snow fell across eastern and central Vermont. Across the Champlain Valley of Vermont between 3 and 6 inches fell.

A few of the heavier snowfall reports were:

Springfield (Windsor County).....8.3 inches  
 St. Johnsbury (Caledonia County)....6.5 inches  
 Eden (Lamoille County).....6 inches  
 Sherburne (Rutland County).....6 inches  
 Marshfield (Washington County)....5.5 inches  
 Middlebury (Addison County).....5 inches  
 Canaan (Essex County).....4.3 inches  
 St. Albans (Franklin County)....4 inches  
 Burlington (Chittenden County)....3.8 inches

### **VTZ002>005-008>009-011 Franklin - Orleans - Essex - Chittenden - Washington - Addison - Rutland**

04	2100EST				0	0	65K		Light Snow
05	1100EST								

# Storm Data and Unusual Weather Phenomena

February 1997

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

## VERMONT, North and Central

**VTZ002-004-006>008-010-012 Franklin - Essex - Lamoille - Caledonia - Washington - Orange - Windsor**

14	1000EST 1800EST				0	0	70K		Light Snow
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An area of low pressure moved northeast along the Atlantic Coast Friday (2/14/97) and passed across Southern New England Friday evening. The heaviest snow fell along and east of the Green Mountains of Vermont where 3 to 6 inches accumulated. Across Western Vermont generally 3 inches or less fell.

A few of the heavier snowfall amounts reported were...

Jay Peak (Franklin County).....5 inches  
 Springfield (Windsor County).....4.5 inches  
 East Haven (Essex County).....4 inches  
 Brookfield (Orange County).....4 inches

**VTZ006>008 Lamoille - Caledonia - Washington**

21	0100EST 0700EST				0	0	15K		Freezing Drizzle
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Cold air trapped at the surface resulted in several hours of freezing drizzle in portions of the Vermont counties of Caledonia, Washington and Lamoille. Nearly an 1/8 of an inch of ice accumulated in West Danville (Caledonia County).

**VTZ003-005-007>009-012 Orleans - Chittenden - Caledonia - Washington - Addison - Windsor**

22	1000EST 1600EST				0	0	80K		High Wind (G50)
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A storm system developed over the Missouri Valley region Friday (2/21/97) and moved northeast through the eastern Great Lakes region early Saturday (2/22/97) and then across northern New England later Saturday (2/22/97).

The associated strong cold front moved across the area during the afternoon. Strong gusty winds accompanied and followed the front with some trees and power lines blown down. The most concentrated reports of trees and wires down due to strong winds were concentrated in Middlebury (Addison County), Ludlow (Windsor County), St. Johnsbury (Caledonia County) and Derby (Orleans County).

A severe thunderstorm accompanied the front across Addison County with associated wind damage to a shed and small hail reported around 1230 pm est.

**Addison County  
Starksboro**

22	1230EST 1240EST				0	0	15K		Thunderstorm Wind (G50)
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## VERMONT, South

**VTZ014**

**Windham**

04	1500EST				0	0	10K		Winter Storm
05	1000EST								

During February 4 and 5, low pressure tracked from southern Lake Michigan northeast to the Saint Lawrence Valley. In Windham County in southern Vermont, 4 to 8 inches of snow accumulated with over a foot in the mountains before the precipitation changed to sleet and freezing rain. Significant ice accumulation occurred during the morning hours of February 5.

## VIRGIN ISLANDS

NONE REPORTED.

## VIRGINIA, East

**VAZ048>049-060>064-069-074>077 Fluvanna - Louisa - Prince Edward - Cumberland - Goochland - Hanover - Caroline - Powhatan - Essex - Westmoreland - Richmond - Northumberland**

08	0800EST 2200EST				0	0			Winter Storm
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Low pressure tracked from the Gulf Coast States to off the North Carolina coast during Friday, February 7th and Saturday, February 8th. It spread 2 to 3 inches of snow across portions of the central piedmont eastward to the northern neck of Virginia. While across northern portions of Caroline, Fluvanna, Louisa, and Westmoreland counties, 4 to 5 inches of snow accumulated.

**VAZ048>049-060>063-065>066 Fluvanna - Louisa - Prince Edward - Cumberland - Goochland - Hanover - Mecklenburg - Lunenburg**

13	1700EST				0	0			Snow
14	0500EST								

# Storm Data and Unusual Weather Phenomena

February 1997

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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## VIRGINIA, East

Low pressure tracked from the Gulf Coast States to off the southeast Virginia coast during Thursday, February 13th and early Friday, February 14th. It spread 1 to 2 inches of snow across portions of the piedmont of central and southcentral Virginia.

### **Richmond (C)**

<b>Richmond</b>	21	2015EST 2030EST			0	0	7K		<b>Thunderstorm Wind</b>
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Two trees uprooted and minor structural damage to a building.

## VIRGINIA, Extreme Southwest

### **Scott County**

<b>Gate City</b>	21	1330EST			0	0	4K		<b>Thunderstorm Wind</b>
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Window of a church in Gate City was broken by a wind-blown projectile.

## VIRGINIA, North

**VAZ021-025>031-036>042-050>057**

**Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George**

08	0800EST 2000EST				0	0	25K		<b>Heavy Snow</b>
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A winter storm dumped 4 to 8 inches of heavy, wet snow across all of northern and western Virginia on the 8th. Highest totals were observed above 2500 feet, with other local maxima in the Shenandoah Valley and the western suburbs of Washington, DC. Antecedent warm weather, combined with air temperatures at or just above freezing during the event, allowed roads to remain generally wet. However, icy spots developed late that afternoon and evening as temperatures fell well below freezing. The snow, which clung to everything, was aesthetically pleasing. However, the weight of the snow snapped numerous tree limbs and knocked others onto utility lines. At the peak of the storm, over 10,000 Virginia Power customers in the Washington metropolitan area alone were without electricity. Otherwise, public impact was minimal since the storm occurred on a Saturday.

The storm resulted from the interaction of the subtropical jet stream, which provided a strong energy impulse to aid in lifting relatively warm humid air, with the polar jet stream, which provided enough low-level cold air to maintain wet snow rather than rain.

**VAZ021-025>031-036>042-050>054**

**Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington**

13	2000EST				0	0			<b>Winter Weather</b>
14	0900EST								

A fast-moving upper level disturbance dropped a quick 1 to 3 inches of snow, followed by a brief period of freezing rain and drizzle, causing numerous slippery roads during the early morning commute on the 14th. Highest average snow totals were along the northern Blue Ridge. Isolated locations above 2000 feet received up to 5 inches. The ice accretion was 1/8 inch or less; no damage to trees or power lines was reported. Traffic accidents were reduced since many school districts were closed and other residents took the day (a Valentine's Day Friday) off.

## VIRGINIA, Northwest

**VAZ003>004**

**Dickenson - Buchanan**

21	1200EST 2000EST				0	0			<b>Record Warmth</b>
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Afternoon temperatures reached well up into the 70s across the valleys and hollows. Clintwood had 75 degrees, while Birchleaf saw 73 degrees.

## VIRGINIA, Southwest

**VAZ014-020**

**Montgomery - Bath**

08	0230EST 1400EST				0	0			<b>Heavy Snow</b>
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Heavy snow fell during the morning and early afternoon hours on the 8th. Snowfall amounts ranged from 3 to 5 inches in Montgomery County and from 4 to 8 inches in Bath County.

**VAZ016**

**Carroll**

14	1220EST 1330EST				0	0			<b>Fog</b>
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Dense fog contributed to more than 30 traffic accidents between mile markers 7 and 9 on the southbound side of interstate 77. At one time, southbound traffic was backed up 5 miles. Numerous people were injured in the accidents which involved nearly 70 vehicles.

# Storm Data and Unusual Weather Phenomena

February 1997

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

## VIRGINIA, Southwest

**VAZ058**

**Halifax**

**15 1600EST**

**17 1700EST**

**0 0**

**Flood**

Melting snow across northwestern North Carolina and southwestern Virginia in combination with heavy rain during the late evening hours on the 14th and early morning hours on the 15th in south-central Virginia and northern North Carolina resulted in minor flooding on lower portions of the Dan River. The Dan River crested almost 2.5 feet above flood stage at South Boston at 2030 EST on the 16th.

## WASHINGTON, Northeast

NONE REPORTED.

## WASHINGTON, Northwest

**WAZ015**

**North Coast**

**12 0030PST**

**0730PST**

**3 0**

**Heavy Surf And Wind**

Three Coast Guard crew men were killed when their boat overturned in rough seas. They were on a search and rescue mission off the Quillayute River Bar when their boat capsized throwing all four of the crew overboard. One survived. It was the first fatal capsizing for that type of rescue boat in its 35 year history. M36BO, M24BO, M22BO

**Pierce County**

**Mc Kenna**

**19 1130PST**

**0 0**

**1.3K**

**Lightning**

Lightning killed \$1300 worth of cattle south of Tacoma. The cattle were killed and the cedar tree they were under was also destroyed when the storm moved through.

## WASHINGTON, Southeast

**WAZ026**

**Kittitas Valley**

**17 1800PST**

**18 0800PST**

**0 0**

**Flood**

Caribou creek spilled over its banks in the town of Kittitas. The water covered one lane of Main street and caused a gas station to close for the night.

## WASHINGTON, Southwest

NONE REPORTED.

## WEST VIRGINIA, East

**WVZ048>055**

**Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson - Pendleton - Hardy**

**08 1000EST**

**1800EST**

**0 0**

**Heavy Snow**

A winter storm dumped 4 to 8 inches of heavy, wet snow across all of eastern West Virginia on the 8th. Highest totals were observed at locations above 2000 feet in the Potomac Highlands. Antecedent warm weather, combined with air temperatures at or just above freezing during the event, allowed roads to remain generally wet. However, icy spots developed late that afternoon and evening as temperatures fell well below freezing. The snow, which clung to everything, was aesthetically pleasing. {However, the weight of the snow snapped numerous tree limbs and knocked others onto utility lines...wait for clips?} Otherwise, public impact was minimal since the storm occurred on a Saturday.

The storm resulted from the interaction of the subtropical jet stream, which provided a strong energy impulse to aid in lifting relatively warm humid air, with the polar jet stream, which provided enough low-level cold air to maintain wet snow rather than rain.

**WVZ048>055**

**Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson - Pendleton - Hardy**

**13 2000EST**

**14 0900EST**

**0 0**

**Winter Weather**

A fast-moving upper level disturbance dropped a quick 1 to 2 inches of snow, with spots over the Allegheny Highlands receiving 3 inches. The snow was followed by a brief period of freezing rain and drizzle, causing numerous slippery roads during the early morning commute on the 14th. The ice accretion was 1/8 inch or less; no damage to trees or lines was reported. Traffic accidents were reduced since many school districts were closed and other residents took the day (A Valentine's Day Friday) off.

## WEST VIRGINIA, North

**WVZ023-041**

**Preston - Tucker**

**13 2000EST**

**14 0600EST**

**0 0**

**Ice Storm**

# Storm Data and Unusual Weather Phenomena

February 1997

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

## WEST VIRGINIA, North

A winter storm system moved northeast through western Pennsylvania and brought a wintry mix of precipitation to the mountains of northern West Virginia. In Kingwood, Preston County, between 0.25 and 0.50 inches of freezing rain accumulated on area roads. In Canaan Valley, Tucker County, 0.25 inches of freezing rain fell, in addition to as much as 2 inches of sleet and snow.

**WVZ021**

**Marion**

27 1130EST  
1145EST

0 0 10K

**High Wind**

High winds blew two windows out of their frames on the third floor of the Fairmont Police Station. The flying glass crashed to the street and also damaged the windshield and hood of a police cruiser. Some nearby power lines were also downed.

## WEST VIRGINIA, Southeast

**WVZ042-045**

**Mercer - Greenbrier**

08 0100EST  
1230EST

0 0

**Heavy Snow**

Heavy snow fell in portions of Mercer and Greenbrier Counties during the morning and early afternoon hours on the 8th. Snowfall amounts generally ranged from 2 to 5 inches in Mercer County with an isolated amount of 7 inches reported at Makoaka. In Greenbrier County, snowfall amounts were mostly from 3 to 6 inches.

## WEST VIRGINIA, West

**WVZ005>011-  
013>020-024>040-  
046>047**

**Wayne - Cabell - Mason - Jackson - Wood - Pleasants - Tyler - Lincoln - Putnam - Kanawha - Roane - Wirt - Calhoun - Ritchie - Doddridge - Mingo - Logan - Boone - Clay - Braxton - Gilmer - Lewis - Harrison - Taylor - McDowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph**

01 0000EST  
28 2300EST

0 0

**Mild And Dry Pattern**

The monthly average temperature was 5 to 7 degrees warmer than usual. It was the 7th warmest February this century at Charleston. The 3 month average temperature for the "winter" was 2 to 5 degrees above the normal. At Charleston, it was the warmest winter in 25 years. Luckily, after the excessive precipitation in 1996, the 3 winter months were dry. Many counties had only 5 to 8 inches of total precipitation. Snow accumulations were meager. All in all, quite a sharp contrast from the previous winter.

**WVZ046>047**

**Pocahontas - Randolph**

08 0300EST  
1500EST

0 0

**Heavy Snow**

Elevations above 2500 feet received 4 to 8 inches of snow, while elevations of 3500 feet and higher measured 10 to 12 inches. The river valleys received 2 to 5 inches.

**WVZ046**

**Pocahontas**

13 1700EST  
14 0600EST

0 0

**Winter Storm**

Snow and sleet accumulated 2 to 4 inches, then changed to freezing rain. The freezing rain deposited an ice accumulation of a quarter to a half inch.

**WVZ005>011-  
013>020-024>040-  
046>047**

**Wayne - Cabell - Mason - Jackson - Wood - Pleasants - Tyler - Lincoln - Putnam - Kanawha - Roane - Wirt - Calhoun - Ritchie - Doddridge - Mingo - Logan - Boone - Clay - Braxton - Gilmer - Lewis - Harrison - Taylor - McDowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph**

21 1200EST  
2000EST

0 0

**Record Warmth**

Afternoon temperatures reached into the 70s across the western lowlands, with 60s over the mountainous counties. Milton and Charleston had 78 degrees. Elkins, Parkersburg, Huntington, Beckley, and Clarksburg all set records for the date.

## WISCONSIN, Extreme Southwest

NONE REPORTED.

## WISCONSIN, Northeast

**WIZ013-020>022-031-  
035>040-045-048>049** **Marinette - Menominee - Oconto - Door - Shawano - Wood - Portage - Waupaca - Outagamie - Brown - Kewaunee - Waushara - Winnebago - Calumet**

04 0600CST  
05 0000CST

0 0

**Heavy Snow**

Low pressure passing through extreme southern Lake Michigan brought a swath of 6 to 8 inches of snow to parts of central, east central and northeast Wisconsin. Some of the heavier accumulations included 7 inches at Green Bay (Brown county), Oconto (Oconto county), and Sister Bay (Door county), 7.5 inches at Redgranite (Waushara county) and Boelter Lake (Portage county), and 8 inches at Marinette (Marinette county), Newport State Park (Door county) and Stevens Point (Portage county). Numerous



# Storm Data and Unusual Weather Phenomena

February 1997

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

At Brodhead, the Sugar River rose above its flood stage of 5 feet at 2100 CST on the 20th, crested at 8.45 feet at 1900 CST on the 21st, and fell below flood stage at 2200 CST on the 24th.

**WIZ069**

**Rock**

20	2000CST				0	0	5K		<b>Flood</b>
24	0400CST								

Overnight rains of .75 to 1.5 inches across Rock county into the 21st, coupled with rapid snow melt and a nearly frozen ground, resulted in widespread flooding of lowlands in the county. The Sugar River in the southwest corner flooded over or closed roads in that area, halting traffic west of Avon. East of Janesville in the Greenbelt area, some roads were covered with up to 3 feet of water at the time of highest water levels. Rising water at one point threatened to spill over Highway 14 east of Janesville. High water was reported on roads near Orfordville, Brodhead, and Avalon. Elsewhere, Turtle Creek overflowed its banks in several spots and flooded local roads. Beloit also had several road closures due to high water levels. Overall, at least 36 road locations in the county had water over them, or were closed for stretches of time. Some minor farm soil erosion was noted (\$5,000).

**WIZ047-051-056>057-062>063** **Green Lake - Fond Du Lac - Sauk - Columbia - Iowa - Dane**

21	0000CST				0	0			<b>Heavy Snow</b>
	1200CST								

A narrow band of heavy snow fell from west of Madison to west of Fond du Lac. Twelve inches were measured at Blue Mounds State Park (1716 feet msl, Iowa county), 8 to 12 inches on top of the Baraboo Bluffs, and 8 inches in extreme western Dane county on the Military Ridge near Blue Mound. Slightly cooler temperatures at these higher elevations may have contributed to the higher snow amounts since temperatures were in the lower 30s. Six inches fell in southwest Columbia county, in Green Lake (Green Lake county), and in Ripon (Fond du Lac county). Some freezing rain was mixed in with the snow over Fond du Lac county, resulting in some vehicle accidents.

**WIZ064**

**Jefferson**

21	0400CST				0	0	0.50K		<b>Flood</b>
22	0600CST								

Overnight rains of 1.00 to 1.50 inches in southeast Jefferson county, coupled with snow melt and a nearly frozen ground resulted in flooding in and around Palmyra. Two local village roads were covered with water that reached 1 to 2 feet deep. Hillside runoff washed out the bottom of a resident's gravel driveway about 1 mile north of Palmyra. Several other roads in southeast and east central Jefferson county had 1 to 4 inches of water covering them during this period of time.

**WIZ046>047-051>052-056>059** **Marquette - Green Lake - Fond Du Lac - Sheboygan - Sauk - Columbia - Dodge - Washington**

27	0200CST				0	0			<b>Heavy Snow</b>
	0900CST								

Heavy, wet snow fell in a west to east swath across southcentral and southeast Wisconsin. Maximum amounts of 7.5 inches were measured at Rock Springs (Sauk county) and Portage (Columbia county), while 6 to 6.5 inches fell over southern Marquette county, southern Green Lake county, most of Dodge county, southern Fond du Lac county, northern Washington county, and most of Sheboygan county. Lesser amounts of 4 to 5 inches were noted in the Madison to Milwaukee area.

## WISCONSIN, Southwest

**WIZ029-032>034-041>044-053>055-061** **Clark - Buffalo - Trempealeau - Jackson - La Crosse - Monroe - Juneau - Adams - Vernon - Crawford - Richland - Grant**

04	0200CST				0	0			<b>Winter Storm</b>
	1600CST								

6 to 10 inches of snow was accompanied by strong winds, creating 2 to 4 foot drifts.

**Grant County**  
2 SE Burton

18	2035CST				0	0	0	0	<b>Flood</b>
21	1000CST								

Rapid snowmelt caused the Grant River between Burton and Potosi to quickly rise out of its banks. Numerous roads in the area were underwater and water crested just below the bridge at Burton. The river crested at 24.64 feet before slowly falling as colder air moved back in.

## WISCONSIN, West

**WIZ026-028**

**Pepin - Eau Claire**

04	1100CST				0	0			<b>Heavy Snow</b>
	1900CST								

5 to 7 inch snowfall. Durand and Augusta reported 5 inches, Fairchild 7 inches. Eau Claire escaped with 3 inches.

## WYOMING, Central and West

**WYZ001>002**

**Yellowstone National Park Mt Id - North Absarokas**

01	0000MST				0	0			<b>Heavy Snow</b>
	0800MST								

# Storm Data and Unusual Weather Phenomena

February 1997

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

## WYOMING, Central and West

Heavy snow northwest mountains; around a foot and a half of new snow. Snow began on January 31st at approximately 1200.

**WYZ001>002**

**Yellowstone National Park Mt Id - North Absarokas**

14	1200MST				0	0			Heavy Snow
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15	0600MST								
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Up to a foot of new snow northwest mountains.

**WYZ026>027**

**Western Big Horn Mountains - Southeast Big Horn Mountains**

25	2000MST				0	0			Heavy Snow
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26	1500MST								
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Up to a foot of new snow southern Big Horn Mountains.

**WYZ012**

**Lander Foothills**

27	2000MST				0	0			Heavy Snow
----	---------	--	--	--	---	---	--	--	------------

28	1500MST								
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Nearly a foot of new snow in the Lander foothills.

## WYOMING, Extreme Southwest

NONE REPORTED.

## WYOMING, North Central

NONE REPORTED.

## WYOMING, Northeast

NONE REPORTED.

## WYOMING, Southeast

**WYZ066>067-069**

**Laramie Range - Platte - Cheyenne Foothills**

01	0000MST				0	0			High Wind (G51)
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1300MST									
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Strong winds occurred over and east of the southern Laramie Range. Sustained winds were 40 to 50 MPH with a gust to 59 MPH at Cheyenne at 1146 AM.

**WYZ059>060-062-064>067**

**Converse - Niobrara - North Carbon - North Laramie Range - Laramie Valley - Laramie Range - Platte**

02	0400MST				0	0			Heavy Snow
----	---------	--	--	--	---	---	--	--	------------

03	0400MST								
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Ten to 18 inches of snow fell over southeast Wyoming. Eighteen inches fell 17 miles northeast of Douglas in Converse County, 10 inches fell at Shirley Basin in Carbon County, and 8 inches fell at Lance Creek in Niobrara County.

## 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		
9	\$500 Million to \$5 Billion	o/c	Indicates Crop Damage amount is included in the value give for property damage.

When reports are not received or are incomplete, the Storm Summary National Death and Injury totals may also be incomplete.

### Definition of Fujita Tornado Scale ( F Scale )

(F0) Gale tornado (40-72 mph) : Light damage; Some damage to chimneys; break branches off trees; push over shallow-rooted trees; 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.

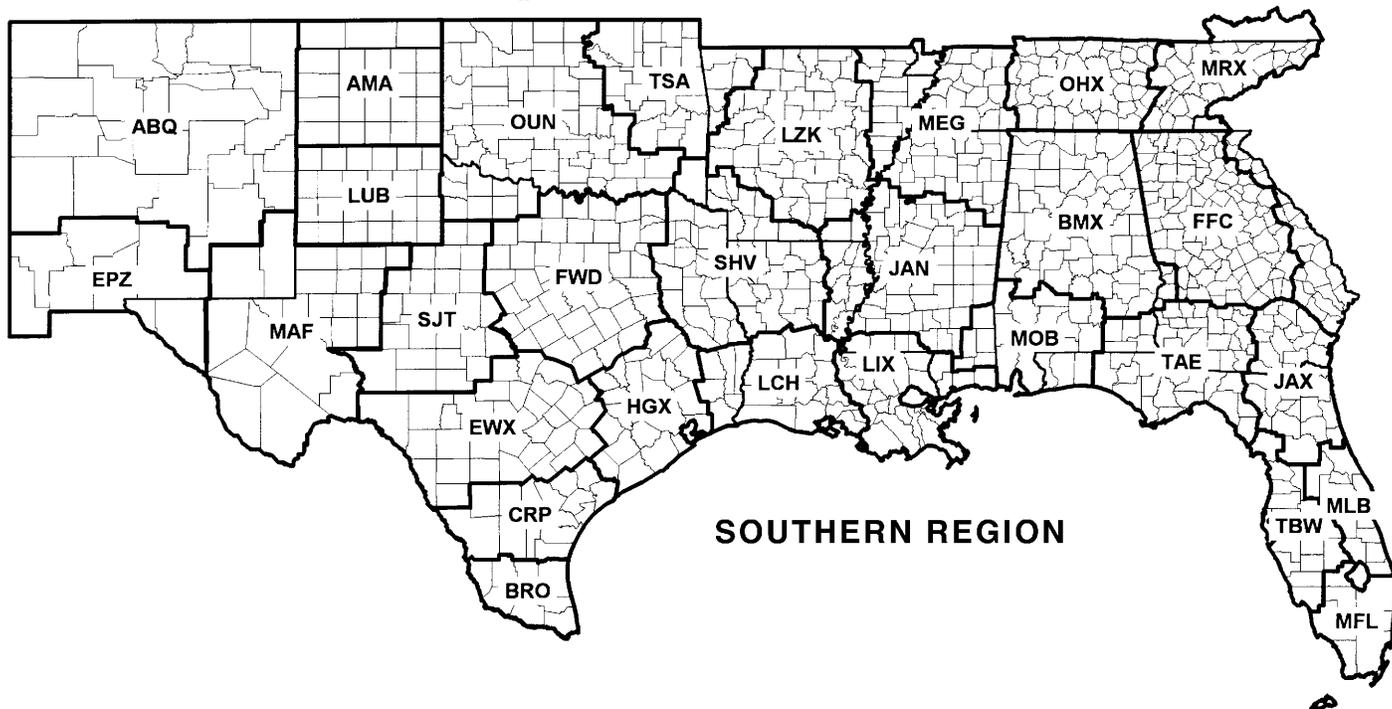
*(F0+F1) Weak Tornado*  
*(F2+F3) Strong Tornado*  
*(F4+F5) Violent Tornado*



# COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS

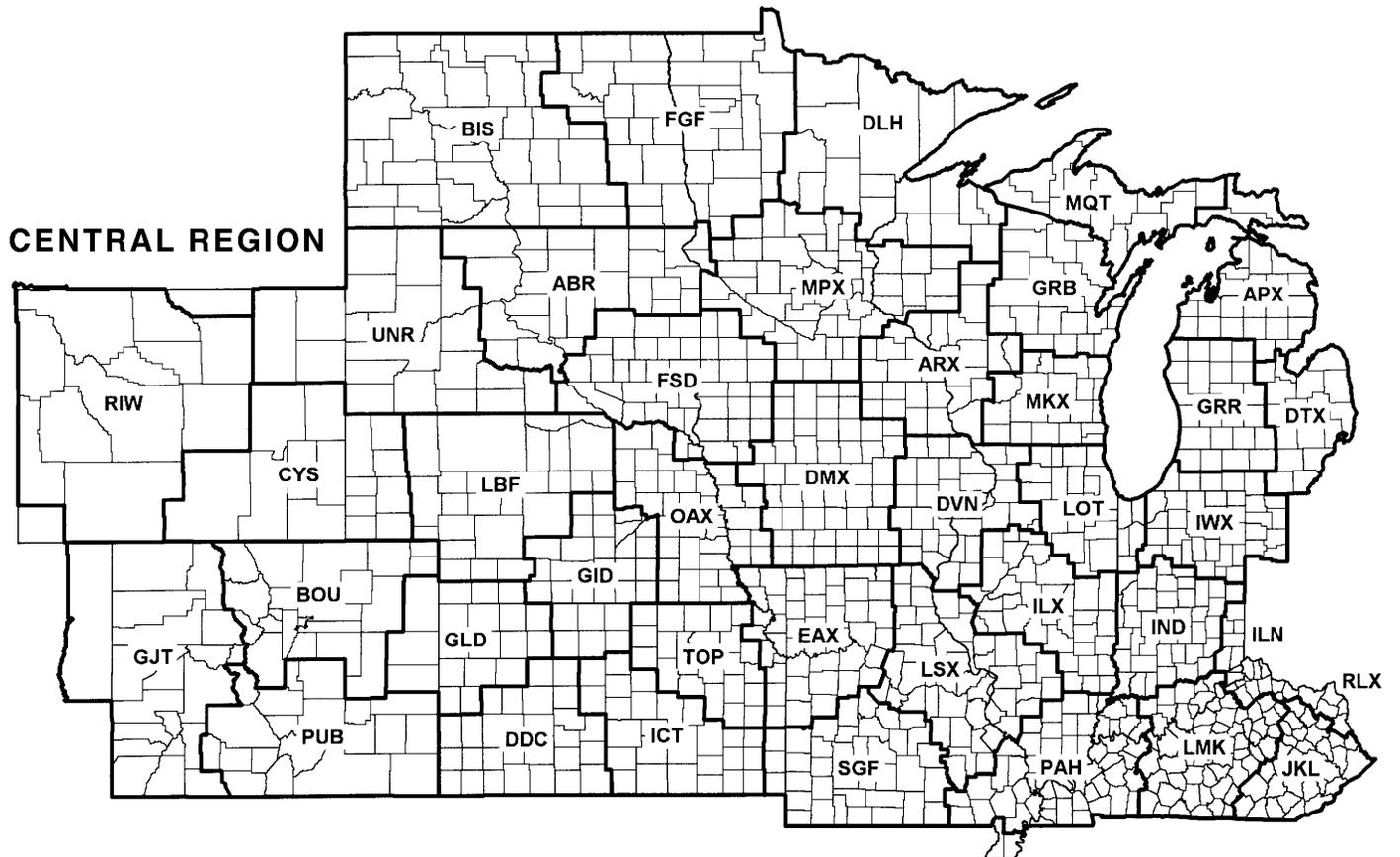
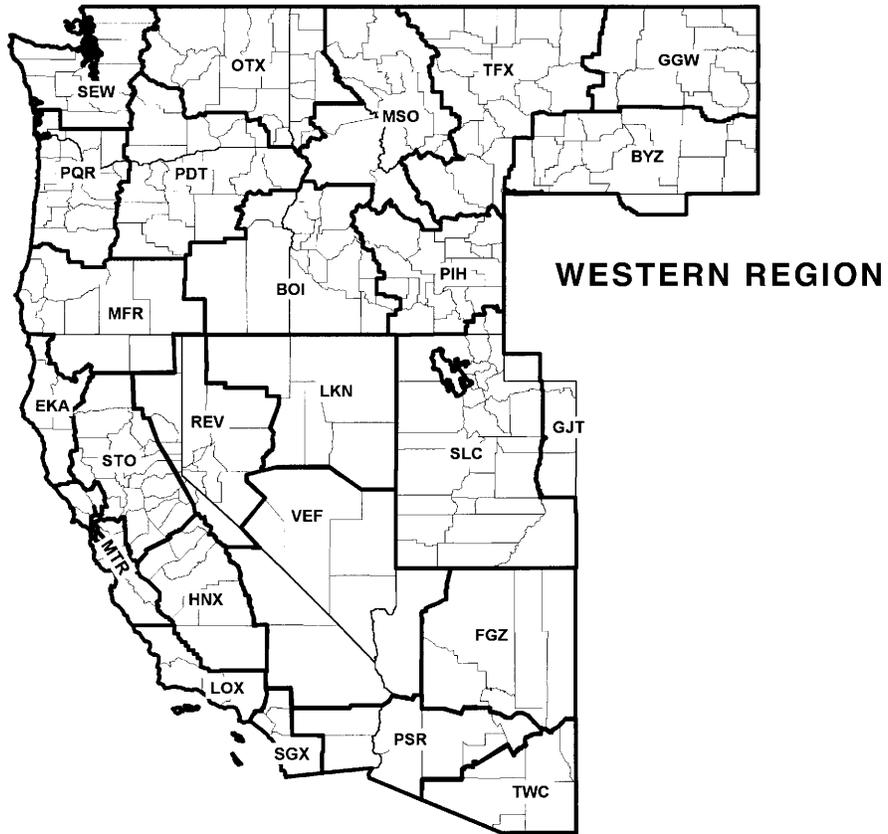


**EASTERN REGION**

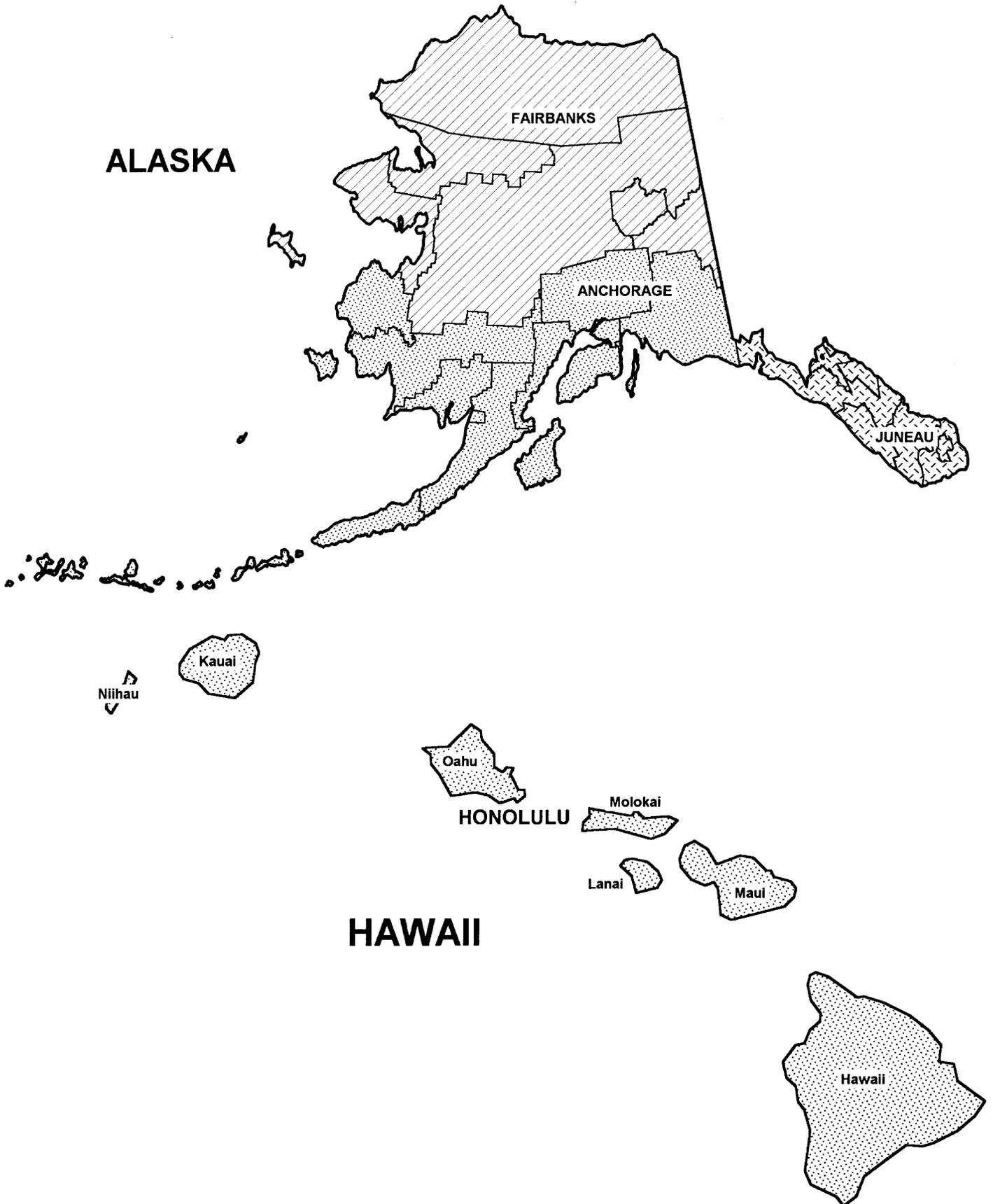


**SOUTHERN REGION**

# COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS



# MODERNIZED COUNTY WARNING AREAS



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