

**JANUARY 2001
VOLUME 43
NUMBER 01**

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, NC

Cover: Icicles hang from an orange tree with sprinklers running in an adjacent strawberry field in the background at sunrise on January 1, 2001. The photo was taken at Mike Lott's Strawberry Farm in rural Eastern Hillsborough County of West-Central, FL. Low temperatures in the area were in the middle 20's for six to nine hours. *(Photograph courtesy of St. Petersburg Times Newspaper Photographer, Fraser Hale)*

TABLE OF CONTENTS

	Page
Outstanding Storm of the Month	4
Storm Data and Unusual Weather Phenomena	5
Additions/Corrections	92
Reference Notes	122

STORM DATA

(ISSN 0039-1972)

National Climatic Data Center

Editor: Stephen Del Greco

Assistant Editors: Stuart Hinson and Rhonda Mooring

STORM DATA is prepared, and distributed by the National Climatic Data Center (NCDC), National Environmental Satellite, Data and Information Service (NESDIS), National Oceanic and Atmospheric Administration (NOAA).

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 the National Climatic Data Center and the National Weather Service's (NWS) Storm Prediction Center.

STORM DATA contains all confirmed information on storms available to our staff at the time of publication. Late reports and corrections will be printed in each edition.

Except for limited editing to correct grammatical errors, the data in **Storm Data** are published as received.

Note: "None Reported" means that no severe weather occurred and "Not Received" means that no reports were received for this region at the time of printing.

Subscription, pricing, and ordering information is available from:

NCDC Subscription Services
310 State Route 956
Building 300
Rocket Center, WV 26726
(866) 742-3322 Toll Free

The editors of **STORM DATA** solicit your help in acquiring photographs (prints or slides; black and white, or color), maps, clippings, etc. of significant or severe weather events (past or present) for use in the "Outstanding Storms of the Month" section of **STORM DATA**. We request our subscribers or other interested persons to mail such items to:

Storm Data
National Climatic Data Center
151 Patton Avenue
Asheville, NC 28801

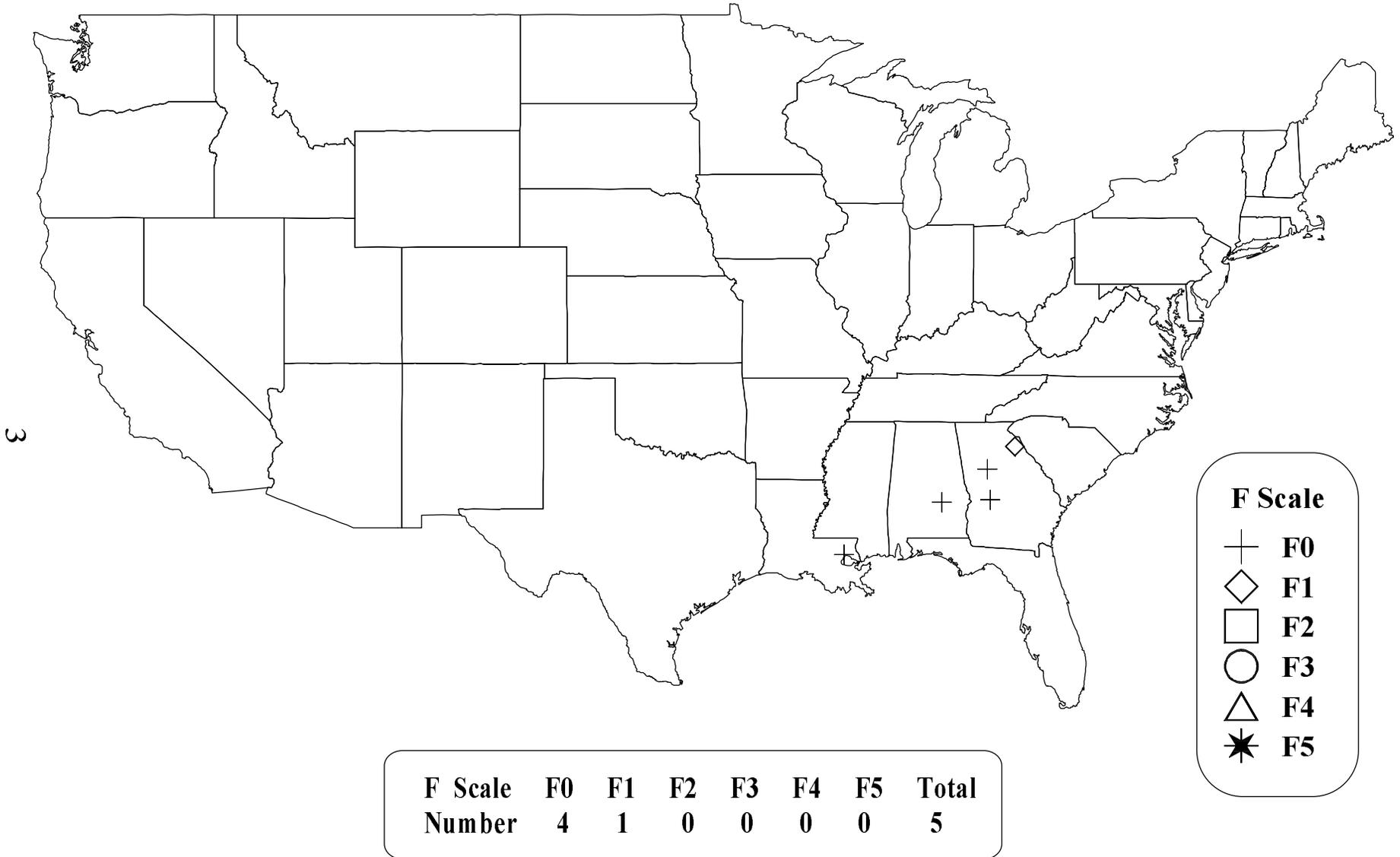
Any such items received by the editor will be for use in **STORM DATA** only. Any other use will be with the permission of the owner of said items. Materials will be returned if requested.

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.



Thomas R. Karl
Director,
National Climatic Data Center

January 2001 Confirmed Tornadoes



OUTSTANDING STORMS OF THE MONTH

1. Freezing Temperatures Reach Florida

Following a cold frontal passage across the Florida peninsula on December 31, 2000, a large high pressure system moved from Canada southward toward the Southeast U.S. and northern Gulf of Mexico. The surface high pressure system brought widespread sub-freezing temperatures to Florida in early January 2001. Also affected were the West-Central and Southwest portions of the peninsula. Temperatures remained below freezing for six to nine hours. Many locations reported temperature minimums in the middle twenties. Early damage estimates were at nearly five million dollars over West-Central and Southwest Florida.



Left: Photo depicts a closeup of oranges encased in icicles shortly after sunrise on January 1, 2001. The orange tree was next to a strawberry field being sprayed with water to protect the crop from sub-freezing temperatures. This photo was taken in Dover, Florida.

(Photographs courtesy of Fraser Hale, St. Petersburg Times Newspaper photographer.)

Right: Photo shows a common scene across the interior portions of Florida in early January as farmers try to protect their crops.



Storm Data and Unusual Weather Phenomena

January 2001

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

ALABAMA, North Central

Lowndes County

Hayneville	19	0850CST 0905CST			0	0	3K	0	Thunderstorm Wind (G50)
------------	----	--------------------	--	--	---	---	----	---	-------------------------

Trees and power lines were blown down near Gordonsville and in Hayneville.

Montgomery County

Maxwell Afb	19	0919CST			0	0	10K	0	Thunderstorm Wind (G53) ^M
-------------	----	---------	--	--	---	---	-----	---	--------------------------------------

Wind was measured at 61 mph at Maxwell Air Force Base as a bow echo moved through the area.

Montgomery County

2.1 E Montgomery to 4 ENE Montgomery	19	0922CST 0925CST	2.3	100	0	4	450K	0	Tornado (F0)
---	----	--------------------	-----	-----	---	---	------	---	--------------

A tornado from a bow echo configuration first touched down just west of Greenwood Cemetery on Three Mile Branch in eastern Montgomery (city). The tornado was moving northeastward at approximately 50 mph and moved through the Forest Hills area downing trees and causing minor structural damage to some homes. The tornado crossed the Atlanta Highway and continued to down trees in the Johnstown area of eastern Montgomery. Much of the damage here occurred when trees fell onto structures. The tornado appeared to end on the south edge of Gunter Industrial Park. Several minor injuries were reported.

Montgomery County

3.4 NE Montgomery to 6.4 NE Montgomery	19	0924CST 0927CST			0	0	150K	0	Thunderstorm Wind (G65)
---	----	--------------------	--	--	---	---	------	---	-------------------------

A second path of damage occurred slightly north of the tornado path. Damage occurred from the north side of Gunter Air Force Station along Congressman Dickinson Drive through the Eastern Boulevard/Congressman Dickinson Interchange and into a residential area of Madison Park. One mobile home was de-roofed and one other house suffered significant roof damage in this area. Other damage was primarily in the form of downed trees and power lines and minor roof damage (shingles removed). This damage path was about 3 miles long and about 200 yards wide.

This event was produced by a strong thunderstorm that exhibited a bowing characteristic which is frequently accompanied by weak tornadoes and strong straight-line wind. Wind gusts with the thunderstorms were measured at 48 mph at 9:15 AM at Dannelly Field and 61 mph at Maxwell Air Force base at 9:19 AM.

Elmore County

Ware	19	0930CST 0945CST			0	0	1K	0	Thunderstorm Wind (G50)
------	----	--------------------	--	--	---	---	----	---	-------------------------

Trees were blown down in Ware and across extreme southeast Elmore County.

Elmore County

Eclectic	19	0930CST			0	0	3K	0	Thunderstorm Wind (G50)
----------	----	---------	--	--	---	---	----	---	-------------------------

Trees and power lines were knocked down in Eclectic.

Macon County

Tuskegee	19	1000CST			0	0	2K	0	Thunderstorm Wind (G55)
----------	----	---------	--	--	---	---	----	---	-------------------------

Power lines were blown down just north of Tuskegee. The damage occurred on Franklin Road, Oak Street, and School Street.

Tallapoosa County

Reeltown	19	1015CST			0	0	2K	0	Thunderstorm Wind (G50)
----------	----	---------	--	--	---	---	----	---	-------------------------

Trees were knocked down in Reeltown.

Chambers County

Lafayette	19	1030CST			0	0	2K	0	Thunderstorm Wind (G50)
-----------	----	---------	--	--	---	---	----	---	-------------------------

One large tree was knocked down and blocked CR 289. The tree caused damage to a fence and a pole.

Lee County

6 S Opelika	19	1040CST			0	0	2K	0	Thunderstorm Wind (G50)
-------------	----	---------	--	--	---	---	----	---	-------------------------

Trees were blown down in the Beauregard area.

Tuscaloosa County

Tuscaloosa	29	1520CST			0	0	1K	0	Thunderstorm Wind (G50)
------------	----	---------	--	--	---	---	----	---	-------------------------

Trees were blown down in the northern part of Tuscaloosa.

Jefferson County

Birmingham	29	1644CST			0	0	2K	0	Thunderstorm Wind (G50)
------------	----	---------	--	--	---	---	----	---	-------------------------

Trees and power lines were knocked down on 4th Avenue South.

ALABAMA, Southeast

Dale County

Countywide	19	1040EST 1050EST			0	0	1K		Thunderstorm Wind
------------	----	--------------------	--	--	---	---	----	--	-------------------

Several trees down across county roads. Reported by the Dale County EMA.

Geneva County

1 W Geneva	19	1205EST			0	0	600K		Thunderstorm Wind
------------	----	---------	--	--	---	---	------	--	-------------------

Roof damage to 30 homes and eight mobile homes, 15 cars damaged, a high school's roof and wall toppled, roof damage to a water treatment plant, and numerous trees and power lines down. Reported by the Geneva County EMA.

Storm Data and Unusual Weather Phenomena

January 2001

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

ALABAMA, Southeast

Henry County

8 SSE Haleburg 19 1458EST 0 0 1K Thunderstorm Wind

Several trees down. Reported by the Henry County EMA.

ALABAMA, Southwest

ALZ039-051>055 Marengo - Choctaw - Washington - Clarke - Wilcox - Monroe

01 0300CST 0 0 Winter Storm
0900CST

A Winter Storm produced a band of snow across portions of Southwest Alabama. One-half to one inch of snowfall accumulated generally along and north of a Chatom to Camden line. Some locations between Butler and Thomasville reported snowfall accumulations of about one inch. The wintery weather resulted in no injuries, and travel across the region was not significantly impacted.

Washington County

Chatom 19 0710CST 0 0 10K Thunderstorm Wind (G55)

0715CST

High thunderstorm winds downed trees and power lines in the community.

Washington County

Mc Intosh 19 0720CST 0 0 8K Thunderstorm Wind (G55)

0725CST

Thunderstorm winds blew down trees along Highway 43 near McIntosh.

Mobile County

Mobile 19 0730CST 0 0 2K Thunderstorm Wind (G55)

0735CST

A couple of trees were reported blown down by high thunderstorm winds at locations south and west of the Mobile Regional Airport.

Clarke County

Thomasville to 19 0745CST 0 0 15K Thunderstorm Wind (G60)

Fulton

0750CST

Numerous trees and some power lines were blown down, and some minor roof damage also occurred as a line of severe thunderstorms moved across the area. Most of the wind damage occurred just east of Highway 43, along Basset Creek, between Thomasville and Fulton.

Wilcox County

Pine Hill 19 0805CST 0 0 5K Thunderstorm Wind (G50)

0810CST

Trees were reported downed by strong thunderstorm winds just south of the community.

Butler County

Forest Home 19 0950CST 0 0 5K Thunderstorm Wind (G55)

0955CST

High thunderstorm winds blew down trees northwest of Forest Home.

Crenshaw County

Honoraville 19 0955CST 0 0 5K Thunderstorm Wind (G55)

1000CST

Trees were blown down north of the community by strong thunderstorm winds.

Marengo County

Linden 29 1540CST 0 0 3K Thunderstorm Wind (G55)

1545CST

Several trees were blown down along State Road 69 as thunderstorms moved through the area.

ALASKA, Northern

AKZ003

02 1515AST 0 0 High Wind (G64) ^M
04 0600AST

Strong High pressure over the Arctic Ocean and Far East Russia created a strong pressure gradient across northwest Alaska, resulting in High Winds at Point Hope AWOS where the maximum gust was 74 mph.

AKZ003>004-009

05 2123AST 0 0 Extreme Windchill
08 0300AST

AKZ001-003-009

06 0700AST 0 0 Blizzard
08 1700AST

AKZ001-003>004-007-009

07 0200AST 0 0 High Wind (G64) ^M
08 1100AST

With High pressure persisting over the Arctic Ocean and Russia Far East, a 956 mb Low in the North Pacific moved north to near

Storm Data and Unusual Weather Phenomena

January 2001

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

ALASKA, Northern

Kodiak Island, bringing extreme Wind Chills to parts of northwest Alaska, followed by Blizzard conditions, and then High Winds. Extreme Wind Chills were reported at:

- Zone 3: Kivalina ASOS: -81F
- Zone 4: Makpik RAWs: -90F
- Zone 9: Gambell AWOS: -77; Tin City AWOS: -72

Blizzard Conditions were reported at:

- Zone 3: Kivalina
- Zone 9: Gambell
- Zone 1: Wainwright, Barrow, Kuparuk, Deadhorse, Nuiqsut

High Winds were reported at:

- Zone 3: Point Hope AWOS: gust 74 mph.
- Zone 4: Indian Mountain AWOS: gust 52 mph.
- Zone 9: Tin City AWOS: gust 68 mph; Gambell AWOS: gust 61 mph.
- Zone 1: Barrow ASOS: gust 59 mph; Deadhorse ASOS: gust 51 mph; Wainwright ASOS: gust 52 mph; Nuiqsut ASOS: gust 55 mph; Kuparuk: gust 52 mph; Cape Lisburne AWOS: gust 52 mph.
- Zone 7: Healy: gust 60 mph.

AKZ009

	12	0955AST 1055AST			0	0			High Wind (G52)	M
--	----	--------------------	--	--	---	---	--	--	------------------------	---

AKZ009

	12	1655AST 1755AST			0	0			Blizzard	
--	----	--------------------	--	--	---	---	--	--	-----------------	--

Tight pressure gradient associated with a low over Kotzebue Sound, combined with Bering Sea moisture created blizzard conditions over the western Seward Peninsula and high winds across St Lawrence Island. Blizzard conditions were reported at Tin City, and winds gusted to 60 mph at the Gambell AWOS.

AKZ001

	14	1453AST 1653AST			0	0			Blizzard	
--	----	--------------------	--	--	---	---	--	--	-----------------	--

A 963mb low over the Gulf of Alaska sent a warm front north over the Arctic coast, where cold air was in place, associated with a 1016mb high pressure center. This produced the blizzard conditions at Nuiqsut.

AKZ007

	14	1850AST 1948AST			0	0			High Wind (G48)	M
--	----	--------------------	--	--	---	---	--	--	------------------------	---

A 963mb low over the Gulf of Alaska created strong south winds through the passes of the Alaska Range. Winds gusted to 55 mph at Healy.

AKZ010

	17	0755AST 1255AST			0	0			Blizzard	
--	----	--------------------	--	--	---	---	--	--	-----------------	--

A strong Low pressure center that deepened to 950 mb just southwest of the Alaska Peninsula sent an occluded front over southwest Alaska producing blizzard conditions at Cape Romanzof.

AKZ007

	18 19	2346AST 1853AST			0	0			High Wind (G49)	M
--	----------	--------------------	--	--	---	---	--	--	------------------------	---

A weakening occluded front moving north over the Alaska Range was followed by building High pressure south of the Alaska Range, resulting in strong winds through Alaska Range Passes. Highest winds were: Delta Junction ASOS gust 56 mph Healy gust 50 mph.

AKZ001-003-006-009>010

	25 27	1635AST 1515AST			0	0			Blizzard	
--	----------	--------------------	--	--	---	---	--	--	-----------------	--

AKZ007

	25 26	2148AST 0552AST			0	0			High Wind (G45)	M
--	----------	--------------------	--	--	---	---	--	--	------------------------	---

A 950 mb Low pressure center moved north over the eastern Bering Sea on the 25th and 26th weakening, and eventually dissipated on the evening of the 27th northwest of Saint Lawrence Island. This system produced blizzard conditions over parts of the West Coast of Alaska and the North Slope, as well as High Winds briefly through the central Alaska Range.

Blizzard conditions were reported at:

- Zone 10: Hooper Bay
- Zone 9: Gambell(26th), Savoonga (afternoon of the 27th)
- Zone 6: Nome, Golovin
- Zone 3: Kotzebue
- Zone 1: Wainwright (all day and evening of the 26th), Kuparuk (morning of the 27th)

Storm Data and Unusual Weather Phenomena

January 2001

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

ALASKA, Northern

High Winds were reported at: Zone 7 - Healy: gust 50 mph

ALASKA, Southeast

AKZ027

Southern Southeast Alaska Ernest Sound To Dixon Entrance

01 0600AST **0** **0** **Heavy Snow**

03 0600AST

Locally heavy snow occurred in the inland valleys of the southern Panhandle. Hyder reported a storm total of 18 inches after nearly 2 days of heavy snow.

AKZ022>023-025-027>028

Cape Fairweather To Cape Suckling-Coastal Area - Cape Decision To Cape Fairweather-Coastal Area - Juneau Borough-Admiralty Island-Icy Strait Area - Southern Southeast Alaska Ernest Sound To Dixon Entrance - Dixon Entrance To Cape Decision-Coastal Area

02 1600AST **0** **0** **High Wind (G77)** ^M

04 0445AST

A peak wind of 63 mph was recorded at the Yakutat Airport.

An intense North Pacific low pressure system tracked along the outer coast of Southeast Alaska into the Gulf of Alaska bringing very strong southeast winds to much of the region.

AKZ022

Cape Fairweather To Cape Suckling-Coastal Area

06 1830AST **0** **0** **High Wind (G52)** ^M

07 0445AST

A rapidly developing low in the northern Gulf of Alaska brought strong winds to the eastern Gulf Coast. Just prior to the frontal passage, the Yakutat Airport reported a peak wind of 60 mph. Winds of 50 to 70 mph were reported in the harbor area.

AKZ028

Dixon Entrance To Cape Decision-Coastal Area

07 1630AST **0** **0** **High Wind (G55)** ^M

2030AST

A strong cold front moving inland from the North Pacific brought a brief period of high winds to the southern outer coast of the Panhandle. A peak wind of 63 mph was recorded at Cape Decision.

AKZ022

Cape Fairweather To Cape Suckling-Coastal Area

12 0615AST **0** **0** **Heavy Snow**

1525AST

A series of slow moving snow showers dumped 17 inches of snow at Yakutat in less than 24 hours.

AKZ027

Southern Southeast Alaska Ernest Sound To Dixon Entrance

15 1200AST **0** **0** **Heavy Snow**

16 0400AST

Locally heavy snow occurred in the northern end of Portland Canal where a shallow arctic boundary was maintained by cold drainage winds. Hyder received 8.5 inches in 24 hours.

AKZ022

Cape Fairweather To Cape Suckling-Coastal Area

17 1200AST **0** **0** **High Wind (G60)**

2300AST

Very strong winds of 60 to 70 mph reportedly occurred in the Icy Bay area west of Yakutat as a deep low made landfall over the northern Gulf of Alaska coast.

AKZ027

Southern Southeast Alaska Ernest Sound To Dixon Entrance

27 0100AST **0** **0** **Heavy Snow**

28 0400AST

Heavy snow occurred across the interior valleys of the southern Panhandle. Hyder received 14 inches of snow in about 24 hours.

AKZ024-027

Lynn Canal-Glacier Bay - Southern Southeast Alaska Ernest Sound To Dixon Entrance

30 0000AST **0** **0** **Heavy Snow**

31 2300AST

Heavy snow occurred along the Haines Road above an elevation of about 500 ft. A storm total of 15 inches was measured at the Customs Station.

Isolated pockets of cold air were maintained by drainage winds from British Columbia in both the Chilkat River Valley (near Haines) and the Portland Canal area (near Hyder), and the overrunning of warm maritime air caused locally heavy snow to occur.

ALASKA, Southern

AKZ125

Wrn P.W. Snd & Kenai Mtns

01 1500AST **0** **1** **Avalanche**

1600AST

Another avalanche, located at Aaron's Last Run, injured Michael McKinney, 31, of Fairbanks Monday afternoon. The location is the same as the one which claimed 6 lives in March 1999 and is named for one of those killed.

The slide was 100 to 300 yards wide and carried McKinney perhaps 1,000 feet down the steep slope, where it settled into a 15 foot-deep debris field. According to experts, "This guy is very, very lucky to have wound up coming out of this thing alive". Rescuers quickly spread out in a line and soon heard McKinney's voice rising from the snow. "He was saying, 'Help me God, please save me, somebody find me,' one of the rescuers said. "Just his mouth was sticking out and his one hand."

Storm Data and Unusual Weather Phenomena

January 2001

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

ALASKA, Southern

AKZ101

Anchorage Muni To Bird Creek

02	2200AST 2359AST				0	0			High Wind (G74) ^M
----	--------------------	--	--	--	---	---	--	--	-------------------------------------

Moderate to strong northeast wind gusts were briefly reported at very high elevation sites around the Anchorage area late Tuesday. Gusts reached 85 mph at the Site Summit location near Arctic Valley at close to 4,000' above sea level between 10 pm and 11 pm. Although not as strong, gusty northeast winds were also reported at Glen Alps, where gusts briefly reached 44 mph.

Gusty northeasterly winds were also reported around Valdez, Whittier and Wasilla at around the same time.

AKZ185

Eastern Aleutians

05	1735AST 1815AST				0	0			High Wind (G52) ^M
----	--------------------	--	--	--	---	---	--	--	-------------------------------------

Just along the north side of a moderate 964 mb low 220 miles south southwest of Dutch Harbor, brisk northeast winds were reported late Friday. Gusts at the Dutch Harbor airport briefly reached 60 mph between 5:35 pm and 6:15 pm.

AKZ125-171

Wrn P.W. Snd & Kenai Mtns - Kodiak Peninsula

05	2000AST				0	0			High Wind (G87) ^M
06	0400AST								

A moderate front, associated with an intense 956 mb low approaching Chignik from the south southeast late Saturday morning, was preceded by strong east winds across Kodiak Island.

Gusts above 60 mph were first observed at Sitkinak just after 10 pm Friday, peaking at 100 mph during each hour from 11pm Friday through 3 am Saturday. Wind gusts diminished below 60 mph with frontal passage by 4 am Saturday. Further north, wind gusts at Kodiak and Booth Lake remained in the advisory range of 40 to 55 mph, also rapidly diminishing with frontal passage.

In the Portage Valley, easterly wind gusts reached 63 mph between 2:53 and 3:53 am Saturday. Winds there were accompanied by heavy snow squalls.

AKZ181-185

Alaska Peninsula - Eastern Aleutians

06	1800AST				0	0			High Wind (G60) ^M
07	0730AST								

Locally brisk northwest winds were observed at the Captain's Bay site around Dutch Harbor, west of a strong low approaching the Semidi Islands early Saturday. Wind gusts above 60 mph first occurred after 5:30 am Saturday, peaking at 64 mph between 7 and 7:30 am Saturday (this was the last occurrence of 60 + mph for this event).

Gusts from 58 to 69 mph were reported around False Pass Friday night and early Saturday. 20 feet of beach and road erosion was reported there.

AKZ101

Anchorage Muni To Bird Creek

07	0000AST 2359AST				0	0	5K		Avalanche
----	--------------------	--	--	--	---	---	----	--	------------------

AKZ101-125-135

Anchorage Muni To Bird Creek - Wrn P.W. Snd & Kenai Mtns - Sern P.W. Snd

07	0100AST 2300AST				0	0			High Wind (G112) ^M
----	--------------------	--	--	--	---	---	--	--	--------------------------------------

AKZ125

Wrn P.W. Snd & Kenai Mtns

07	0230AST 1200AST				0	0			Heavy Snow
----	--------------------	--	--	--	---	---	--	--	-------------------

A strong frontal system in the southwest Gulf of Alaska was preceded by strong east and southeast winds. The front moved north and northwest through Prince William Sound and into the northern Susitna Valley Sunday midday.

Gusts reached 73 mph at the Prince William Sound Science Center with frontal passage around noon Sunday. Wind gusts at the southeast Sound buoy gusted in the 50 to 60 mph from 11 pm Saturday through 10 am Sunday.

In the western Prince William Sound zone, east wind gusts of 60 + mph were observed in the Portage Valley from around 1 am to just before 1 pm Sunday. Peak winds reached 68 mph between 11 am and noon. In the January 10th edition of the Anchorage Daily News, an article referred to storm totals Saturday night and Sunday of "...about 3 feet of wet snow..." which held 2 weekend campers and their dogs "captive" in a remote Forest Service cabin on the Kenai Peninsula on the northwest end of Crescent Lake. "We got to the cabin (apparently late Saturday) and the winds started blowing" Rachel Cheyette said, continuing with "On Saturday night it blew all night long." On Sunday morning, the wind slowed and the couple started breaking trail through heavy wet snow for about a mile until everything turned white. "There were whiteout conditions", Cheyette stated. When they couldn't see the trail, they hiked back to cabin to wait out the storm, aware that conditions had primed the slopes for avalanches. They were finally rescued by helicopter midday Tuesday. Several feet of new fell at higher elevations along Turnagain Pass.

Spotter reports from the State Troopers in Turnagain Pass were "4-5" of new snow and whiteout conditions as of 2:30 am". By 1:45 pm, DOT officials reported 2.29 inches of rain from the storm around Girdwood, with snow in the Pass. The report also mentioned 24" of new snow as of noon. With the early morning observation, this yielded about 20 inches of snow in 9 1/2 hours.

Along the Anchorage hillside, peak winds of 60 + mph were first reported at the Glen Alps site around 6 am. Between 7 and 8 am

Storm Data and Unusual Weather Phenomena

January 2001

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

ALASKA, Southern

Sunday, winds increased above 60 mph at Rabbit Creek, with peak winds reaching 71 mph several hours later between 10 and 11 am. The Glen Alps site recorded peak winds of 61 mph at 6 am and again at 10 pm. Wind gusts below 60 mph were reported after 10 pm Sunday. Much stronger winds, however, were recorded along the Site Summit remote sensor, at close to 4000 asl, adjacent to the old Nike Site near Arctic Valley ski area where gusts reached 79 mph at 5 am, 129 mph at 9 am and 103 mph just before 11 pm (winds diminished to well below 60 mph thereafter).

Roads were dangerously slick Sunday, prompting the Alaska State Troopers to issue a travel advisory for the Seward Highway. In Anchorage, police counted 81 vehicles in distress between midnight Saturday and 2 pm Sunday. Many of them ended up in ditches or were stuck along the Glenn Highway and in Eagle River. Anchorage police sent three extra officers to help out. At the western entrance to Turnagain Arm, an avalanche was reported at Mile 98, on the Bird Flats north west of Girdwood, which set off four smaller slides that came down to the highway.

AKZ171

Kodiak Peninsula

09	1900AST								
10	0400AST				0	0			High Wind (G58) ^M

Strengthening high pressure over southwest Alaska, coupled with a deepening low near Middleton Island, caused gusty northwest winds across Kodiak Island and lower Cook Inlet.

Strongest reported winds were just south of Kodiak Island at Sitkinak. Peak winds of 60 + mph began there at 7 pm Tuesday, peaking at 67 mph at 3 am Wednesday. The last 60 + mph observation was at 4 am Wednesday.

AKZ181-185-191

Alaska Peninsula - Eastern Aleutians - Western Aleutians

10	1335AST								
11	1500AST				0	0			High Wind (G83) ^M

A strong front, approaching the central Aleutians Wednesday afternoon, was located in a much weakened arc from just northwest of the Pribilofs into Bristol Bay and across the extreme south part of Kodiak Island late Thursday. Strong east and southeast winds preceded the front across the eastern Aleutians and the Alaska Peninsula.

The associated low deepened to at least 965 mbs and moved to between Atka and Dutch Harbor late Wednesday. By late Thursday, the low began to weaken significantly from its position between Saint George Island and Unimak Pass. Strong winds were observed along the southwest quadrant of the low Thursday across the central Aleutians.

Cold Bay - 1st gust 60 + mph at 7 pm Wednesday, peak 66 mph between 10:07 and 11:53 pm, diminished below 60 mph just before midnight. Winds likely diminished in eastern-most area around 4 am Thursday.

Dutch Harbor - 1st gust 60 + mph after 1:35 pm Wednesday, peak 96 mph Tuesday 5:35 - 6:35 pm Wednesday. Likely diminished below 60 mph with frontal passage around 9 pm Wednesday.

Winds just under 60 mph across the Pribilofs.

At Atka, 60 + mph northwest winds began after 12:55 am Thursday, peaking at 81 mph between 1:15 and 1:35 am. Last 60 + mph gust at 5:15 am Thursday. Many observations were missing at Adak.

AKZ125-135

Wrn P.W. Snd & Kenai Mtns - Sern P.W. Snd

11	1706AST								
12	0938AST				0	0			High Wind (G65) ^M

AKZ125

Wrn P.W. Snd & Kenai Mtns

11	1815AST								
12	1600AST				0	0			Heavy Snow

A moderate to strong front, moving into Prince William Sound and the Kenai Peninsula from the southeast, was preceded by strong east winds and heavy snow at higher elevations.

In zone 135 (Southeast Prince William Sound) - East wind gusts reached 60 + mph at Middleton Island just after 4:15 am Friday, peaking at 61 mph before frontal passage shut down 60+ mph gusts at 8:15 am.

In zone 125 (Western PWS) - East wind gusts reached 60+ mph at Portage after 5:06 pm Thursday> Gusts peaked at 75 mph Friday morning between 1:44 and 1:53 am, finally diminishing below 60 mph after 9:38 am Friday. Heavy snow was also reported in the Portage Valley with spotters working with the Alaska Railroad recording 4' of new snow by 4 pm Friday from the storm. Local blizzard conditions in blowing snow were also reported in Turnagain Pass.

AKZ101-125

Anchorage Muni To Bird Creek - Wrn P.W. Snd & Kenai Mtns

13	1500AST								
14	0953AST				0	0			High Wind (G111) ^M

A diffuse front moved northward into Prince William Sound very early Sunday. The front produced strong east and southeast winds in several locations around Prince William Sound, through Turnagain Arm and along the Anchorage Hillside.

Gusts above 60 mph were first reported around the Portage Valley after 7:53 pm Saturday, reaching 97 mph between 7:53 pm and 8:53 pm. The last report of winds 60 + mph from this system was at 9:53 am Sunday.

Storm Data and Unusual Weather Phenomena

January 2001

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

ALASKA, Southern

A remote wind sensor near Arctic Valley, at an elevation of close to 4000 ft, reported southeast wind gusts as high as 128 mph from 2 am to 4 am Sunday. At the Glen Alps site, east winds first began gusting 60+ mph after 3 pm Saturday, peaking at 62 mph between 2 am and 4 am Sunday.

AKZ101-125-135

Anchorage Muni To Bird Creek - Wrn P.W. Snd & Kenai Mtns - Sern P.W. Snd

14	0933AST				0	0			High Wind (G99) ^M
15	1200AST								

A moderate to strong front, approaching the Kenai Peninsula and Prince William Sound from the south southwest Sunday, was preceded by strong east and southeast winds. The front dissipated in the central interior of the State late Monday morning.

Gusts at the Prince William Sound Science Center, in Cordova, reached 63 mph late Sunday as the front moved into the area. Sometime early Monday, gusts at the Science Center reached 96 mph (due to age and siting, the instrument is reportedly not able to pick up the true peak winds). Gusts of 64 mph were reported at the southeast Prince William Sound buoy between 7 and 8 pm Sunday just in advance of the front.

After briefly diminishing, east winds around the Portage Valley again began to increase Sunday. Gusts above 60 mph began after 9:33 am Sunday, peaking at 97 mph between 3:36 and 3:53 pm, then diminishing to under 60 mph by 11:53 pm.

Gusts along the Anchorage Hillside cracked the 60 mph barrier with a strong 82 mph gust between 3 am and 4 am Monday. Gusts continued 60 + mph until 11 am Monday. Gusts at the Site Summit high elevation weather sensor reached gusts of 114 mph between 9 and 10 pm Sunday and again between 3 and 4 am Monday, diminishing under 60 mph by 7 am.

AKZ151

Kuskokwim Valley

15	0800AST				0	0			Ice Storm
	1045AST								

McGrath reported freezing rain with a 7:28 am special. The freezing rain there lasted less than an hour..as winds set in and temperatures climbed in the mid 30s. It is reasonable to assume that there were areas of freezing rain around the area until just prior to warning cancellation.

AKZ171

Kodiak Peninsula

16	1700AST				0	0			High Wind (G64) ^M
17	0500AST								

Winds ahead of a moderate northeast moving front remained in the advisory category at all reporting sites around Kodiak Island, however gusts above 60 mph were reported at the Augustine site in southwest Cook Inlet after 5 pm Tuesday, peaking there at 74 mph between 10 and 11 pm. Wind gusts diminished below 60 mph at 5 am Wednesday.

AKZ101-125-135

Anchorage Muni To Bird Creek - Wrn P.W. Snd & Kenai Mtns - Sern P.W. Snd

17	0100AST				0	0			High Wind (G111) ^M
18	0415AST								

A moderate to strong front moved north through Prince William Sound Wednesday around noon, followed by a windy, secondary trough late Wednesday evening.

Peak winds reached 77 mph Wednesday at the Prince William Sound Science Center in Cordova.

Gusts at Middleton Island first reached 60 mph just after 11 pm Wednesday, peaking at 69 mph between 1:35 and 1:55 am Thursday. Gusts diminished below 60 mph after 4:15 am Thursday.

Wind gusts at Portage of 60 + mph were reported from 1 am Wednesday until just before 5 am. Peak winds reached 76 mph between 1am and 2 am.

Along the Anchorage upper Hillside, gusts above 60 mph were reported at Glen Alps from 6 am to 2 pm Wednesday. Peak gusts reached 86 mph at the site between 10 and 11 am. At the upper elevation site near the old Nike base, peak winds of 128 mph were recorded between 6 am and 8 am with wind gusts diminishing below 60 mph after 10 am.

AKZ101

Anchorage Muni To Bird Creek

17	0200AST				0	0	50K		Ice Storm
	0700AST								

This was a major freezing rain event for the Anchorage Municipality area. Compounding the problem was the false sense of security some drivers had acquired after motoring along major roads which were pretty much ice free. Freezing rain was reported around the area early Wednesday. Road surfaces (mostly secondary) were 'glare ice', as reported by the Anchorage Daily News. In some areas ice accretion ranged from "1/4 inch to a full inch" around the entrance to the Potter Creek trail head. Numerous minor accidents and vehicles in the ditch were reported. "At one time they had a dozen cars in the ditch" said one of those involved in trying to move his Chinook RV out of a ditch.

Two Anchorage Daily News articles appeared in the ALASKA section front page in regard to this event. Two pictures were included, one showing the RV "Chinook" off the road in trees, the other showing a School District mechanic hooking a tow to the front half of a school bus that was involved in a collision on Hillside Drive Wednesday morning (no students on the bus at the time).

Storm Data and Unusual Weather Phenomena

January 2001

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

ALASKA, Southern

AKZ101-125-135

Anchorage Muni To Bird Creek - Wrn P.W. Snd & Kenai Mtns - Sern P.W. Snd

18	0900AST			0	0	100K	High Wind (G112)	^M
19	0600AST							

A deepening 968 mb low 300 miles south of Middleton Island late Thursday morning, with its front in an east southeast arc, moved rapidly northwest. By 3 am Friday, the low had weakened to a 975 mb center just southwest of McGrath with its front arcing east through the east-central Alaskan interior. Strong easterly winds preceded the front, with gusty southeast winds immediately following frontal passage.

Wind gusts at Middleton Island Thursday morning first reached 60+ mph after 10:55 am. Gusts peaked at 78 mph between 6:15 and 6:35 pm Thursday. Wind gusts diminished below 60 mph several hours after frontal passage at 8:15 pm Thursday. Gusts at the Prince William Sound Science Center reached 84 mph late Wednesday and Thursday.

One Cordova resident took a walk along Power Creek Road after the storm and counted 67 trees downed by the wind between the last house and the culvert at the spawning area. The resident reported "the wind came from a really weird direction", which would indicate meso circulations embedded in the larger flow...or williwaws.

Damage also included roofs, buildings along the foot of the western slopes of Mount Eyak, and damage to Cannery Row, in Cordova's Waterfront Historical District (serious roof damage, siding and interior damage). A mobile home was a total loss. As another resident relayed "But the really interesting thing was the 3-by-6 (foot) window that was literally sucked out of one building, blew 150 feet and sliced open the top of another building."

Thursday also saw wind gusts reach 75 mph at Whittier between 6:50 pm and 7:48 pm Thursday as the front moved past the area. At Portage, east winds above 60 mph were first recorded after 9:05 am Thursday, reaching 104 mph between 7:53 pm and 8:53 pm. Gusts at the site finally diminished below 60 mph after midnight.

Around Portage, hurricane force winds of at least 104 mph "...walloped Portage and Turnagain Arm with driving rain and hurricane-force winds Thursday night, and in the process destroyed buildings, toppled trees and knocked out power" according to a front page, main headline news story carried in the Anchorage Daily News Saturday morning. Rainfall topped 5 inches 5.29" in 24 hours ending at 3 am Friday at the Begich, Boggs Visitor Center) from the storm. In the Portage area, during the height of the blow, a "40-foot-by-60-foot pole barn rented by Portage resident Steve Mendive was demolished. Beams of 4-by-12-inch wood snapped and plywood siding was shredded" according to the Saturday, January 20th Anchorage Daily News article. Damage from Girdwood to Hope was estimated at least \$100,000 to barns, cabins, buildings, vehicles and trees. Wind was blowing so hard that it "forced water through the chinks in the Millers' log home". The wind also ripped away all of Big Game Alaska's signs. In the small community along Portage Creek, a roof soared from another barn and flattened a Subaru station wagon. Part of the roof at the Portage Glacier Lodge was yanked off by the williwaw' winds. According to roofers repairing the damage, "...there are 12-foot beams that were buried in the ground about a foot and a half".

Roads from the Knik River to Prince William Sound were also reported slick. Some neighborhood streets were so slick that "...the U.S. Postal Service warned that letter carriers might not make deliveries in dangerous areas" according to the Daily News article. Power in Bird, Indian, Girdwood, Hope and Moose Pass was out for a period, affecting 300 - 500 customers in the sparsely populated areas around Turnagain Arm.

Two highways were blocked due to avalanches, one near mile 7.4 (or 8.5?) along the Old Glenn Highway Thursday night (snowslide) and one late Friday afternoon (mud, snow and broken trees) at Mile 105 of the Seward Highway.

Along the Anchorage Hillside, wind gusts at or above 60 mph were recorded from 7pm Thursday through 6 am Friday. Peak winds of 75 mph were recorded at Glen Alps between 3 and 4 am. Winds at the Site Summit location (close to 4,000') were 60+ mph from 6pm Thursday to 5 am Friday, peaking at 129 mph with the 10 and 11 pm Thursday observations. Wind gusts at the site were above 120 mph through 4 am Friday.

AKZ101

Anchorage Muni To Bird Creek

18	1800AST			0	0	5K	Avalanche
19	0600AST						

Avalanche closed the Old Glenn Highway Thursday night at 7.4 mile.

AKZ125

Wrn P.W. Snd & Kenai Mtns

19	1600AST			0	0	10K	Avalanche
	1930AST						

Avalanche at Milepost 105 of the Seward Highway late Friday, close the road. It contained mud, snow and broken trees. 1 vehicle was damaged. The highway was reopened at 7:30 pm.

AKZ125

Wrn P.W. Snd & Kenai Mtns

20	1200AST			0	0		Heavy Snow
23	1200AST						

At least 2 significant frontal systems moving north northwest through the Kenai Peninsula and Prince William Sound produced heavy, higher elevation, snows. DOT and Railroad observations received just after noon Monday mentioned 2 1/2 feet of new snow around the Silvertip site and 3 feet around Grandview (elevation around 1000') in the #last 48 hours'. Summit Lake recorded 14" of snow during roughly the same time frame.

Storm Data and Unusual Weather Phenomena

January 2001

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

AKZ125									
		By noon Tuesday, another foot of snow was reported in Turnagain Pass, only 6-8" at Summit Lake.							
		Wrn P.W. Snd & Kenai Mtns							
		20	2000AST		0	0			High Wind (G54) ^M
		21	0540AST						
		Winds of 62 mph were reported for a about an hour from 12:53 to 1:53 am Sunday.							
AKZ125									
		Wrn P.W. Snd & Kenai Mtns							
		21	1812AST		0	0			High Wind (G53) ^M
			2153AST						
		Wind gusts reached 60 mph at the Portage ASOS between 6:12 pm and 6:25 pm, peaking at 61 mph between 8:30 pm and 9:00 pm Sunday. Wind gusts diminished below 60 mph by 10 pm.							
AKZ181-191									
		Alaska Peninsula - Western Aleutians							
		22	0600AST		0	0			High Wind (G65) ^M
		23	0900AST						
		Very strong northerly winds were reported along the extreme western Aleutians along the northwest side of an intense 950 mb storm. Monday afternoon, the storm center was located 240 miles south southeast of Shemya. By Tuesday morning, the storm had looped, turned northeast and was beginning to slowly weaken 90 miles south of Amchitka. By 9 pm Tuesday, the low, located between Atka and Adak, was no longer producing 60+ mph winds.							
		The front associated with the storm also locally produced 60+ mph winds. Gusts at Cold Bay reached 60 mph between 8 and 9 am Tuesday.							
		Wind gusts at Shemya first reached 60 mph around 6 am Monday, peaking at 75 mph between 6 and 8 pm Monday. Wind gusts at the site, and presumably in the greater area, diminished below 60 mph by 7:00 am Tuesday.							
AKZ101									
		Anchorage Muni To Bird Creek							
		23	0000AST		0	0	5K		Avalanche
			0800AST						
		Avalanche reported at 7.4 mile Old Glenn Highway. The road was reopened at 8am.							
AKZ101									
		Anchorage Muni To Bird Creek							
		23	0200AST		0	0			Ice Storm
			0510AST						
		Freezing rain was briefly reported around the city of Anchorage. Roads in South Anchorage received a light coating of ice resulting in hazardous travel conditions mainly along the side roads.							
AKZ101-125									
		Anchorage Muni To Bird Creek - Wrn P.W. Snd & Kenai Mtns							
		23	2300AST		0	0			High Wind (G58) ^M
		24	1200AST						
		Winds locally reached 60 + mph late Tuesday and Wednesday along the Anchorage Upper Hillside and around the Portage Valley. Strong gusts were related to a combination of a pre-frontal ridge extending form Prince William Sound into the central Susitna Valley and a frontal system approaching lower Cook Inlet from the south southwest.							
		Gusts at Glen Alps likely first reached warning levels around 11 pm Tuesday, peaking at 67 mph between 2 and 3 am Wednesday, diminishing below 60 mph after 3 am.							
		Gusts at Portage briefly reached 60 mph between 11 am and noon Wednesday.							
AKZ101-155-161-171-181-185									
		Anchorage Muni To Bird Creek - Kuskokwim Delta - Bristol Bay - Kodiak Peninsula - Alaska Peninsula - Eastern Aleutians							
		25	0553AST		0	0	100K		High Wind (G117) ^M
		26	0715AST						
AKZ145									
		Susitna Valley							
		26	0400AST		0	0			Heavy Snow
			1600AST						
		An intense 955 mb low crossed Unalaska Thursday morning, moving into the southeast Bering Sea later in the day. The storm began to slowly weaken off the southwest coast of the State Thursday night and Friday, beginning its demise near Saint Lawrence Island Saturday.							
		A strong frontal system, preceding the storm, moved north and northeast through the Alaska Peninsula Thursday, beginning to weaken in a long arc from northwest Alaska through lower Cook Inlet and across northeast Kodiak Island where it began to slowly dissipate Friday.							
		Very strong southeast winds preceded the front Thursday and Thursday night...with strong southeast winds becoming more localized in advance of the front Friday.							
		Another area of very strong winds developed on the south semicircle of the storm early Thursday. This area of strong southwesterly							

Storm Data and Unusual Weather Phenomena

January 2001

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

ALASKA, Southern

winds rotated into the southeast semicircle of the storm by late Thursday morning...slowly diminishing across the southwestern part of the State Friday.

Wind gusts as high as 135 mph were reported along the Alaska Peninsula (King Cove...just east of Cold Bay). Snows were heavy in the northwest and north Susitna Valley...exceeding 12 inches in 12 hours or less as called in by spotters in that area.

Structural damage was reported due to the storm. Precautions were taken to move boats and planes to more protected areas in several locations.

At Dutch Harbor (185) prefrontal, east southeast winds at airport briefly gusted 63 mph between 6:55 am and 7:15 am Thursday. The low passed the station between 10 and 11 am. Winds around the low center peaked at 102 mph in False Pass at 3:45 pm. Winds on the #back side' of the storm reached 60+ mph just after 12:55 pm Thursday, peaking at 74 mph between 3:55 pm and 4:35 pm Thursday. After 6:35 pm, 60+ mph wind gusts were no longer reported.

Cold Bay (181) began 60+ southeast pre-frontal winds after 5:31 am, peaked at 78 mph between 11:53 am and 12:53 pm, diminished below 60 mph just after fropana after 3:53 pm Thursday. Several wind reports around King Cove were received, including a 113 mph wind around 7:59 am in the #low areas around the station and personnel housing of the King Cove Police Department and one report of 135 mph wind by Carol Wilson, who apparently monitors the weather from a higher ground location with southeast exposure. Chignik prefrontal peak 67 mph between 10:15 and 10:35 am Thursday.

Port Heiden (161) between 11:15 am and 11:55 am Thursday peaked southeast at 67 mph (only 60+ mph wind). Togiak 60+ mph southeast winds from 2:15 pm through 5:35 pm Thursday, peaking at 68 mph between 5:55 and 6:15 pm. Cape Newenham peak 76 mph at 4:55 pm. Highest gusts at King Salmon airport were only 44 mph with stronger 67 mph winds in Naknek.

Mekoryuk 60+ mph southeast winds from 7:55 pm to 9:35 pm Thursday, peak 63 mph between 8:35 and 8:55 pm. Hooper Bay brief east southeast gust 61 mph between 11:35 and 11:55 pm Thursday.

Sitkinak (171) briefly reached 60 mph southeast winds between 7 and 8 pm Thursday.

Glen Alps (101) 60+ mph from 11 pm Thursday to frontal passage 6 am Friday. Peak at least 63 mph between 4 and 5 am Friday. Rabbit Creek and Muldoon remained in advisory level. Site Summit peaked at least 89 mph with 11 pm Thursday observation...and 78 mph peak at 1 am Friday...with winds less than 60 mph by 5 am Friday.

AKZ195

Pribilof Islands

27	1425AST	0	0		Blizzard
	1553AST				

AKZ181-185-191

Alaska Peninsula - Eastern Aleutians - Western Aleutians

27	1800AST	0	0		High Wind (G68) M
	0753AST				

A North Pacific low moved across the Aleutians near Adak Saturday morning, at 962 millibars. The front associated with the storm moved from the central Aleutians Saturday morning to lie in a weakening arc through Saint Matthew Island into the southwest Alaska interior southeast into Kodiak Island late Sunday.

Strongest winds along the western Aleutians were around the back side of the low, first exceeding 60+ mph at 6 pm Saturday, peaking at 78 mph (at Adak) at 9:58 pm Saturday. Winds dropped below 60 mph in this zone by 11:55 pm Saturday.

The high winds spread to the eastern Aleutians and Alaska Peninsula in advance of the front, first reaching 60+ mph at Dutch Harbor at 6:15 pm Saturday. Winds at Dutch Harbor briefly peaked at 61 mph for one hour before diminishing to less than 60 mph 7:55 pm Saturday.

On the Alaska Peninsula, winds of 60 + mph were reported at Cold Bay from 3:29 am Sunday to 6:53 am Sunday. Winds peaked at Cold Bay at 64 mph at 5:53 am Sunday.

The Pribilof Islands briefly reported blizzard conditions around 2:29 am Sunday. Winds peaked at 53 mph with visibilities briefly dropping to 1/4 mile in snow and blowing snow.

AKZ121

Kenai Peninsula

29	2100AST	0	0		Heavy Snow
	0300AST				

10 inches of new snow reported by the Homer contract observer very early Tuesday at the airport. Total liquid content was .55 at the Homer airport ASOS. Just to the south, Seldovia recorded .70 inches of melted snow (rain).

The heavy snow was an overrunning' snow as a trough aloft rotated north and northwest from the Gulf of Alaska over colder low level air.

Storm Data and Unusual Weather Phenomena

January 2001

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

AKZ135

Sern P.W. Snd

**31 0600AST
0900AST**

0 0

High Wind (G53)

A weakening low moved into western Prince William Sound late Tuesday night and Wednesday morning. Gusty east winds preceded the low. Strong pressure rises accompanied the weakening low. Significant precipitation was reported on the west and southwest side of the low.

Winds peaked at the Prince William Sound Science Center reached 53 and 50 mph Wednesday and Thursday. Reports from people associated with this system suggest that these observations are probably close to 15% lower than actual peak winds in the area due to age of the Reed switch and site location. This would support 60+ mph around the city & harbor area of Cordova.

AMERICAN SAMOA

Tutuila

Countywide

07 1400SST

0 0

Urban/Sml Stream Fld

Heavy showers in the afternoon dumped more than 2 inches of rainfall between 2 PM and 6 PM and an upper level trough of low pressure moved over the islands. The heavy showers caused minor flooding in Pago Pago with various small streams being overflowed dashing debris over roads and walkways. No major damages were reported.

ARIZONA, Central and Northeast

**AZZ004-006>008-
015>016-037>038**

Kaibab Plateau - Grand Canyon Country - Coconino Plateau - Yavapai County Mountains - Western Mogollon Rim - Eastern Mogollon Rim - Yavapai County Valleys And Basins - Oak Creek And Sycamore Canyons

**11 1600MST
12 1200MST**

0 0

Winter Storm

A strong winter storm slowly began moving across Arizona beginning the evening of January 11th. By the time the storm moved into New Mexico on January 12th...it left as much as two feet of snow in its wake. Some of the snow totals are as follows: Mormon Lake 24 inches, Williams 21 inches, Munds Parks and Parks 18 inches, Flagstaff 16 inches, Grand Canyon Airport 15 inches, Jacob Lake 10 inches, Prescott and Seligman 9 inches, Forest Lakes 9 inches, Heber 7 inches, and Sedona 7 inches. Some private schools and all public schools in Flagstaff and Williams were closed due to the snow. DPS closed the northbound lanes of I-17 from the Sedona exit to Flagstaff until plows could clear the snow off. Chains were required for southbound traffic. A truck overturned and snow covered roads caused slow traffic on westbound I-40 near Ash Fork. About 1,600 Arizona Power Supply customers in the Iron Springs area were affected by a temporary power failure that was caused by the snow.

**AZZ015>016-018-
037>038**

Western Mogollon Rim - Eastern Mogollon Rim - Northern Gila County - Yavapai County Valleys And Basins - Oak Creek And Sycamore Canyons

**15 2200MST
16 1800MST**

0 0

Winter Storm

A winter storm produced widespread snow across much of northern and central Arizona beginning late January 15th through much of the day on the 16th. Snowfall amounts ranged from 1 to 2 inches at the lowest elevations to over 8 inches at the higher terrain. Some snowfall amounts include: 13 inches 8 miles west of Prescott, 12 inches in Blue Ridge, 11 inches in Munds Park, 8 inches in Sedona, 9 inches in Flagstaff, 6 inches in Pine and Verde Glen, 4 inches in Prescott Valley and Bagdad, 2 inches in Dewey, and one inch in Cottonwood and Cordes Junction. Some schools in the Flagstaff area started two hours late on the 16th because of the snow. The snow caused Sedona's schools and Yavapai College to close. A jack-knifed semi caused a 6 mile backup on I-40. Nearly a foot of snow at the Prescott airport caused cancellation of all flights on the 16th.

**AZZ008-011-
015>018-037**

Yavapai County Mountains - Chuska Mountains And Defiance Plateau - Western Mogollon Rim - Eastern Mogollon Rim - White Mountains - Northern Gila County - Yavapai County Valleys And Basins

**26 2000MST
27 2330MST**

0 0

Winter Storm

A winter storm began to move across northern Arizona during the late evening of the 26th. The storm lingered into the morning of the 28th with most of the heavy snow ending by late evening of the 27th. Some of the snowfall amounts were: Chinle, Window Rock, and Pinetop 8 inches; Crown King, Williams, and Payson 7 inches; Alpine, Whispering Pines, Tonto Village, Mayer, and Pine 6 inches; Dewey 5, People's Valley and Yarnell 4 inches.

ARIZONA, Northwest

AZZ001

Northwest Plateau

**11 0800PST
12 0800PST**

0 0

Heavy Snow

A storm spotter at Diamond M Ranch in northern Mohave County, Arizona recorded 15 inches of new snow in a 24 hour period.

ARIZONA, South

AZZ033

Tucson Metro/Marana/Green Valley

**09 0345MST
2200MST**

0 0 0 0

Winter Storm

Palisades Ranger Station reported 8 to 10 inches of snow. Catalina Highway was closed due to heavy snow. Most of the Tucson Metro area received valley rain with the east and northeast sections receiving the heaviest rainfall (.83 inches of rain on Tanque Verde Road).

A wet and cold pacific storm system moved into southeast Arizona on the morning of the 9th, bringing valley rain and mountain snow.

Storm Data and Unusual Weather Phenomena

January 2001

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

ARIZONA, South

AZZ029

Southeast Pinal County

12	0350MST				0	0	0	0	Winter Storm
	2100MST								

Oracle received 4 inches of snow and Saddlebrook reported 2 inches of snow. Also, ice and snow conditions caused road closures along Highway 60 near Gonzales Pass area.

AZZ034

Santa Cruz County

12	0350MST				0	0	0	0	Winter Storm
	1514MST								

Madera Canyon in the Santa Rita Mountains received 5 inches of snow. Other surrounding areas, including Sonoita, received 2 inches of snow.

AZZ035

Cochise County

12	0350MST				0	0	0	0	Winter Storm
	2100MST								

Texas Canyon received 4 inches of snow and Cornando National Memorial reported 3 inches of snow. Other cooperative observing sites in Cochise County reported 1 to 2 inches of snow.

AZZ033

Tucson Metro/Marana/Green Valley

12	0350MST				0	0	0	0	Winter Storm
	1514MST								

Mt. Lemmon received 17 inches of snow and the Palisades Ranger Station received 12 inches of snow. The Catalina Highway was closed due to heavy snow. Vail received 3 inches of snow and Kitt Peak Observatory reported 5 inches of snow. The Tucson Metro area also received report of snow, sleet, and small hail with snow levels of 2800 feet on the extreme northwest side of town. Green Valley area reported snow falling but there was no accumulation.

AZZ030

Upper Gila River Valley

12	0350MST				0	0	0	0	Winter Storm
	2100MST								

Safford received 3 inches of snow.

AZZ019

Northern Greenlee

12	0350MST				0	0	0	0	Winter Storm
	2100MST								

Hanagan Meadow received 9 inches of snow.

The low pressure system originated in the Gulf of Alaska on the 7th and moved down the west coast, closing off on the 11th. After hitting the California coast, the storms precipitable region split into two areas. The cold frontal boundary moved ahead of the closed low into western Arizona on the 12th and was the primary source of precipitation. The storms strong dynamics and steep afternoon lapse rates contributed to the heavy precipitation across the county warning area. The system was extremely cold as the 1000-500 hPa thicknesses dropped from 5520 meters to 5378 meters in 12 hours. Snow levels dropped to 2500 feet on the morning of the 12th. However, there was no accumulation along the valley floor due to the warmer ground temperatures.

AZZ019

Northern Greenlee

15	0345MST				0	0	0	0	Winter Storm
	1545MST								

Hanagan Meadow reported 12 inches of snow.

AZZ033

Tucson Metro/Marana/Green Valley

15	0345MST				0	0	0	0	Winter Storm
	1110MST								

Mt. Lemmon received 8 inches of snow and Vail reported 4 inches of snow. The Tucson foothills and Green Valley received 1 to 2 inches of snow.

AZZ034

Santa Cruz County

15	0345MST				0	0	0	0	Winter Storm
	1545MST								

Sonita reported 3 inches of snow.

AZZ029

Southeast Pinal County

15	0350MST				0	0	0	0	Winter Storm
	1110MST								

Oracle received 5 inches of snow and Saddlebrook received 3 inches of snow.

AZZ035

Cochise County

15	0350MST				0	0	0	0	Winter Storm
	1545MST								

Texas Canyon reported 3 inches of snow.

This storm system developed over western Montana and dropped down from Utah into northern Arizona by the 15th. A broken precipitation band developed over northwest Arizona on the evening of the 15th and expanded into southern Arizona. Most of the precipitation fell as snow with snow levels as low as 2700 feet. Large height falls occurred as the 1000-500 hPa thicknesses dropped to 5370 meters. On the 16th, snow levels fluctuated between 2500 and 4000 feet during the day. Showers and thunderstorms redeveloped as the cold core passed over southern Arizona.

Storm Data and Unusual Weather Phenomena

January 2001

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<u>ARIZONA, South</u>									
AZZ030			Upper Gila River Valley						
	15	0350MST			0	0	0	0	Winter Storm
	16	1545MST							
	Safford reported 1 to 2 inches and Clifton reported 4 inches of snow.								
AZZ019			Northern Greenlee						
	27	0300MST			0	0	0	0	Winter Storm
	28	1240MST							
	Hanagan Meadow received a total of 25 inches of snow in this two day event. Highway 191 between Springerville and Morenci was closed since the roads were impassable.								
AZZ034			Santa Cruz County						
	27	0300MST			0	0	0	0	Winter Storm
	28	1240MST							
	Varying snow amounts were reported by trained spotters in Santa Cruz county. Sonoita had 6 inches of snow, while Rio Rico reported 2 inches of snow. Also, areas between Green Valley and Nogales reported sleet and small hail.								
AZZ035			Cochise County						
	27	0300MST			0	0	0	0	Winter Storm
	28	1240MST							
	Bisbee reported 3 inches of snow and Mescal received 2 inches of snow. Texas Canyon also received 1 inch of snow.								
AZZ033			Tucson Metro/Marana/Green Valley						
	27	0300MST			0	0	0	0	Winter Storm
	28	1240MST							
	Mt. Lemmon reported 23 inches of snow, while the Tucson Metro area had some reports of small hail. The Catalina Highway was also closed due to ice and snow.								
AZZ030			Upper Gila River Valley						
	27	0300MST			0	0	0	0	Winter Storm
	28	1240MST							
	Mt. Graham received 30 inches of snow.								
AZZ029			Southeast Pinal County						
	27	0300MST			0	0	0	0	Winter Storm
	28	1240MST							
	Due to mountain shadowing, Oracle only received 2 to 3 inches of snow. This storm system originated over the Gulf of Alaska on the 22nd before dropping down into Arizona and producing varying amounts of snow on the 27th and 28th. Since the storm was highly orographic in nature, the largest amounts of snowfall were reported over the mountains above 6000 feet. Although snow levels lowered to the valley floor for a brief period, accumulations were insignificant.								
<u>ARIZONA, Southwest</u>									
AZZ025			Yuma/Martinez Lake And Vicinity						
	12	0600MST			0	0			Fog
		0800MST							
	Dense fog reduced the visibility to less than a quarter mile, and briefly to near zero. Yuma International Airport was shut down for a time due to the fog.								
Maricopa County									
8 SW Tempe to Chandler	16	1440MST			0	0			Funnel Cloud
		1452MST							
	Spotters reported the short-lived funnel cloud over the Ahwatukee-Chandler area.								
Maricopa County									
Mesa	16	1603MST			0	0			Hail (0.75)
	Largest diameter hail was reported at Higley and Main Streets.								
Maricopa County									
Wittmann	27	1620MST			0	0			Funnel Cloud
Maricopa County									
Goodyear	27	1634MST			0	0			Funnel Cloud
Maricopa County									
Sun City	27	1830MST			0	0			Lightning
	Lightning struck the roof of a store at 107th and Grand, resulting in a fire that damaged much of the store.								

ARKANSAS, Central and North Central

NONE REPORTED.

ARKANSAS, East

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

January 2001

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

NONE REPORTED.

ARKANSAS, Southeast

NONE REPORTED.

ARKANSAS, Southwest

NONE REPORTED.

CALIFORNIA, Extreme Southeast

NONE REPORTED.

CALIFORNIA, North Central

CAZ016>019

Central Sacramento Valley - Southern Sacramento Valley - Carquinez Strait And Delta - Northern San Joaquin Valley

03 0330PST 0 0 Fog
1130PST

Dense fog affected morning travel between the Central Sacramento Valley and the Northern San Joaquin Valley. The Delta was also affected. The California Highway Patrol escorted travelers through Sacramento and Yolo Counties where visibilities lowered to 200 feet. They also reported that the combination of high speeds and dense fog tripled the average amount of minor accidents during the morning commute. Nearly one-third of the commercial flights originating from the Sacramento International Airport were cancelled.

Sacramento County

Sacramento

08 0001PST 0 0 Heavy Rain
0830PST

More than one inch of rain fell in about an eight hour period. Minor flooding was reported on Sunrise Boulevard at the American River Bridge and on U.S. 50 near 15th Street.

CAZ013>014-063-068>069

Shasta Lake/North Shasta County - Burney Basin/Eastern Shasta County - Mountains Southwest Shasta County To Northern Lake County - Mt Shasta/Western Plumas County - West Slope Northern Sierra Nevada

10 0345PST 0 0 Winter Storm
11 2255PST

A cold winter storm produced snow as low as 2500 feet with Colfax reporting a 1/2 inch. Higher elevations of the coastal range and Southern Cascades reported accumulations up to two feet. Across the Northern Sierra Nevada, accumulations up to three feet combining with strong winds produced white out conditions. Interstate 80 was temporarily closed Thursday morning.

CAZ016>018-064

Central Sacramento Valley - Southern Sacramento Valley - Carquinez Strait And Delta - Clear Lake/Southern Lake County

10 0835PST 0 0 High Wind (G64) ^M
2020PST

Strengthening low pressure off the north coast helped produce strong southeast to south winds across the Northern California interior. Nearly 80,000 PG&E and SMUD customers temporarily lost electricity. Wind speeds approached 50 mph across the Sacramento Valley and Delta and 75 mph across the southern coastal range.

Calaveras County

Calaveritas

10 0945PST 0 0 Heavy Rain
11 0945PST

Tuolumne County

Pincrest

10 0945PST 0 0 Heavy Rain
11 0945PST

Automated rain gages throughout Tuolumne and Calaveras counties commonly measured two to three inches of rain in 24 hours. The Gianelli gage measured 3.36 inches.

CAZ019

Northern San Joaquin Valley

10 1700PST 0 0 Flood
2100PST

The Modesto Irrigation District reported 1.31 inches of rain in downtown Modesto for the calendar day. The heaviest rain fell during the evening hours, lifting storm drain covers. Ninth Street between K Street and Kansas Avenue was closed due to flooding. The heavy rains also caused 5,000 PG&E power outages.

CAZ067

Motherlode/Camptonville To Groveland

10 1700PST 0 0 Flood
2100PST

Heavy rain, associated flooding, and the potential for mudslides closed Mooney Road in Jamestown and the Old Priest Grade to Groveland.

Storm Data and Unusual Weather Phenomena

January 2001

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

CALIFORNIA, North Central

CAZ013>015-063-066>069 **Shasta Lake/North Shasta County - Burney Basin/Eastern Shasta County - Northern Sacramento Valley - Mountains Southwest Shasta County To Northern Lake County - Northeast Foothills/Sacramento Valley - Motherlode/Camptonville To Groveland - Mt Shasta/Western Plumas County - West Slope Northern Sierra Nevada**

25 0400PST 0 0 Winter Storm
26 0400PST

An abnormally cold winter storm produced snow as low as 700 feet. Snow accumulations barely exceeded a foot even at the highest elevations, but strong south winds created white out conditions. With the low snow levels and strong, gusty winds, Interstate 80 and Highway 50 were temporarily closed. Interstate 5 in Shasta county as well as Highway 20 in Nevada county were also closed.

CAZ015>016 **Northern Sacramento Valley - Central Sacramento Valley**

25 1000PST 0 0 High Wind (G35) ^M
1530PST

Automated sensors measured south winds in excess of 40 mph.

CALIFORNIA, Northeast

CAZ072 **Greater Lake Tahoe Area**

10 0745PST 0 0 0 Heavy Snow
11 0745PST

Spotter report of 28-36 inches of snow in 24 hours at Boreal and Soda Springs Ski Areas.

CAZ072 **Greater Lake Tahoe Area**

10 0840PST 0 0 0 Heavy Snow
11 0840PST

Spotter report of 18 inches of snow in 24 hours in the Tahoe Donner, elevation 6500 feet.

CAZ073 **Mono**

10 1215PST 0 0 0 Heavy Snow
11 0615PST

Spotter report of 24 inches of snow at 8000 feet and 30-36 inches at 8900 feet in Mammoth in 18 hours.

CAZ072 **Greater Lake Tahoe Area**

10 1600PST 0 0 0 Heavy Snow
11 0300PST

Caltrans reported 17 inches of snow in 11 hours at Kingvale, elevation 6100 feet.

CAZ071 **Lassen/Eastern Plumas/Eastern Sierra**

11 0350PST 0 0 0 Heavy Snow
1550PST

Spotter report of 12 inches of snow in 12 hours at Yuba Pass, elevation 6780 feet.

CAZ071 **Lassen/Eastern Plumas/Eastern Sierra**

11 0420PST 0 0 0 Heavy Snow
1620PST

Spotter report of 8-10 inches of snow in 12 hours at Fredonyer Pass, elevation 5748 feet.

CAZ071 **Lassen/Eastern Plumas/Eastern Sierra**

11 0420PST 0 0 0 Heavy Snow
1620PST

Spotter report of 10-12 inches of snow overnight near Bogard Ranger Station on Hwy 44.

CAZ072 **Greater Lake Tahoe Area**

23 1717PST 0 0 0 Heavy Snow
24 0517PST

Kirkwood ski resort reported 12-18 inches of snow overnight, elevation 7682 feet.

CAZ072 **Greater Lake Tahoe Area**

23 1800PST 0 0 0 Heavy Snow
24 0600PST

Sierra at Tahoe ski resort reported 10-12 inches of snow in 12 hours, elevation 8120 feet.

CAZ072 **Greater Lake Tahoe Area**

23 2030PST 0 0 0 Heavy Snow
24 0630PST

Caltrans reported 16 inches of snow in 10 hours at Kingvale, elevation 6100 feet.

CAZ072 **Greater Lake Tahoe Area**

25 0530PST 0 0 0 Heavy Snow
26 0530PST

Alpine Meadows ski resort reported 12 inches of snow at 7000 feet and 16 inches of snow at 8637 feet in a 24 hour period.

CAZ072 **Greater Lake Tahoe Area**

25 0530PST 0 0 0 Heavy Snow
26 0530PST

Kirkwood ski resort reported 12-18 inches of snow at 7682 feet and Diamond Peak ski area reported 6-12 inches of snow at 6800 feet

Storm Data and Unusual Weather Phenomena

January 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>CALIFORNIA, Northeast</u>									
CAZ072									in 24 hours.
			Greater Lake Tahoe Area						
	25	1030PST			0	0	0		Heavy Snow
	26	1030PST							Tahoe Donner ski area reported 8-10 inches of snow at 6500 feet and 12 inches of snow at 7200 in 24 hours.
CAZ072			Greater Lake Tahoe Area						
	25	1700PST			0	0	0		Heavy Snow
		2250PST							Caltrans reported 11-12 inches of snow at Kingvale, elevation 6100 feet, since late afternoon.
CAZ071			Lassen/Eastern Plumas/Eastern Sierra						
	25	1700PST			0	0	0		Heavy Snow
	26	0500PST							Spotter in Sierraville, elevation 4952 feet, reported 5 inches of snow in approximately 12 hours.
CAZ072			Greater Lake Tahoe Area						
	25	1740PST			0	0	0		Heavy Snow
		2240PST							Caltrans reported 3-4 inches of snow and ice at Beckwourth Pass and 6+ inches near Quincy in 5 hours, elevation 4900 feet.
CAZ073			Mono						
	25	1930PST			0	0	0		Heavy Snow
	26	0730PST							Spotter in Mammoth reported 5-8 inches of snow in town and an estimated 12 inches at 7500 feet in 24 hours.
<u>CALIFORNIA, Northwest</u>									
CAZ002			Mendocino Coast						
	10	0900PST			0	0			High Wind (G52) ^M
		1430PST							
CAZ003-076			North Coast Interior - Mendocino Interior						
	10	0900PST			0	0			Wind Damage
		1430PST							C-MAN station at Point Arena measured 52 knot (59 mph) peak wind at 11:45 am. General wind speeds were 35 to 45 mph with widespread damage to trees and power lines.
CAZ001			Redwood Coast						
	10	0930PST			0	0			Coastal Flooding
		1330PST							An unusually high tide (at about 11:30 am) was caused by perigee of moon, extreme low barometric pressure (990 mb), prolonged south wind, and heavy surf. Predicted high tide was 8.5 feet and actual tide was 9.87 feet, 0.01 feet from the Humboldt Bay record tide. Several block of the community of King Salmon was flooded with up to two feet of sea water.
CAZ003>004-076			North Coast Interior - Upper Trinity River - Mendocino Interior						
	25	0600PST			0	0			Heavy Snow
	26	1400PST							Five to eight inches of snow fell around the 3000 foot level and up to 24 inches fell near the 5000 foot level. General snowfalls were in the 12 to 17 inch range in 24 hours. Some snowfall amounts: Iron Peak 24 inches, Willits 5.5 inches, Coffee Creek 17 inches, Ruth 8 inches, Dinsmore 14 inches.
Mendocino County									
99.9 W Pt Arena	25	0720PST			0	0			Waterspout
		1000PST							Doppler radar indicated numerous waterspouts along an intense cold front from Pt. St. George to Pt. Arena. The pilot of a WP-3 Orion weather research aircraft confirmed waterspouts by observing one west of Point Arena while conducting a flight in support of the PacJet project.
<u>CALIFORNIA, South Central</u>									
CAZ089>092			W Central Sj Valley - E Central Sj Valley - Sw Sj Valley - Se Sj Valley						
	01	0000PST			0	0			Frost
	07	0900PST							Continued high pressure in proximity to the West Coast provided for little mid and upper level moisture over Interior Central California on into the first week of January 2001. Minimum temperatures on the Central and South San Joaquin Valley floor varied generally from 26 deg F to 32F in several locations. The citrus crop was essentially not bothered by the "routine" cool weather although the very coldest locations may have needed some protection with readings around 26 deg F. The coldest mornings of this stretch were the 1st when temperatures dropped to 27 at Merced and Visalia ... and on the 6th when temperatures dropped to 26 deg F at Lemoore, Collins Corner, and Riverbend, and 27 deg F at Hanford, Navelencia, and Sanger River Bottom. Temperature durations less than 28F varied from 4-6 hours and less than 32F from 10-12 hours at the very coldest locations.
CAZ096			S Sierra Mtns						
	01	0000PST			0	0			Dry
	31	2359PST							The months of November and December were essentially dry for the area and January's rainfall/snowfall was still struggling to

Storm Data and Unusual Weather Phenomena

January 2001

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

CALIFORNIA, South Central

overcome the water year deficit. The month ended with still less than 60% of the seasonal precipitation average to date for Northern and Central California. Effectively significant rains did not start until January 8th with precipitation activity primarily centered from the 8th to the 12th and the 23rd through the 26th.

CAZ089>092

W Central Sj Valley - E Central Sj Valley - Sw Sj Valley - Se Sj Valley

01	0001PST				0	0			
04	1100PST								Fog

Along with low temperature below freezing dense fog formed during the wee hours of the morning from the 1st through the 4th. Visibilities were reported at times as low as 85 feet.

CAZ095>097

Kern Cty Mtns - S Sierra Mtns - Tulare Cty Mtns

08	0000PST				1	0			
	2200PST								Snow

Light snow amounts occurred that in a more normal month should have been substantially larger. Abnormally dry conditions continued into the month of January from the dry months of November and December for Interior Central California. Lodgepole received 6" of new snow in the Tulare County Mountains and Pine Mountain Club 5" in the Kern Mountains. Mariposa received 0.74" of rain at lower elevations of the Southern Sierra Nevada Mountains. M53VE

CAZ095>097

Kern Cty Mtns - S Sierra Mtns - Tulare Cty Mtns

10	1500PST				0	0			
11	1000PST								Winter Storm

CAZ089>090

W Central Sj Valley - E Central Sj Valley

10	1600PST				0	4	20K		
	1900PST								Wind

The west side of the Central San Joaquin Valley had measured wind to 37 MPH at Los Banos in a pre-frontal environment while the east side of the Central San Joaquin Valley had reports of gust to 39 MPH at Merced and 37 MPH at Madera. Valley portions of Interior Central California picked up 0.70" to 1.50" of rain on the 10th and 11th (24 hour amounts from the 10th through early 11th; Fresno got 1.06", Porterville 0.99", Bakersfield 0.62", and Merced 0.57"). Rain and Wind on the valley floor...after minimal occurrences the previous 2 months...did lead to a 6-vehicle pileup in Fresno at noon PST. Mountain areas accumulated snowfall verifying Winter Storm Warnings (snow pillows indicated 2-3" of liquid water). In the Kern Mountains, Tehachapi got 6" of snow, Frazier Peak 60", Pine Mountain 10", and Cache Peak 12". In the Tulare County Mountains, Lodgepole received 27", Big Meadows 22", Bench Meadows 17", and Quaking Aspen 12". In the South Sierra Nevada, Fish Camp got 12", Hume Lake 18", Tuolumne Meadows 22", Mammoth Mountain 33", and Agnew Pass 39".

Mariposa County

Yosemite Natl Park

10	2200PST				0	0			
11	0700PST								Urban/Sml Stream Fld

Tulare County

Sequoia National Par

11	0000PST				0	0			
	0900PST								Urban/Sml Stream Fld

Kern County

14 W Mettler

11	0155PST				0	0			
	1000PST								Urban/Sml Stream Fld

Tulare County

Pixley

11	0155PST				0	0			
	1000PST								Urban/Sml Stream Fld

Substantial rainfall on the 10th of the month (with snow in the mountains) led to stream runoff and water ponding problems in a variety of locations in Interior Central California. Yosemite dispatch reported some minor flooding on Yosemite Valley floor. Sequoia National Park likewise reported minor flooding problems and a few mudslides accompanying heavy rain. On the South San Joaquin Valley floor some mud was spread over State Highway 99 at Pixley and State Highway 166 west of Mettler typically had flooding over the roadway.

CAZ089>092

W Central Sj Valley - E Central Sj Valley - Sw Sj Valley - Se Sj Valley

16	0000PST				0	0			
18	0900PST								Freeze

Despite numerous cold nights (temperatures less than 32F) during this cool season, the mornings of the 16th through the 18th in the Central and South San Joaquin Valley were marked by coldest locations having minimum temperatures in the mid to upper 20s. On these three mornings temperatures at colder citrus locations were at and below 27F (night of heating) for 2 to 4 hours with lowest readings commonly around 26F.

CAZ089>092

W Central Sj Valley - E Central Sj Valley - Sw Sj Valley - Se Sj Valley

19	0200PST				0	0			
20	0800PST								Frost

Following cold early mornings that threatened area citrus crops from the 16th through the 18th, the mornings of the 19th and 20th had temperatures lower to only the upper 20s at the coldest locations with many locations in and around the ag areas in the low 30s. The coldest ag areas looked to be only around 30F on the morning of the 20th.

CAZ096>097

S Sierra Mtns - Tulare Cty Mtns

23	2000PST				0	0			
24	1600PST								Winter Storm

Storm Data and Unusual Weather Phenomena

January 2001

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

CALIFORNIA, South Central

Tulare County

Visalia	24	1115PST			0	0			Lightning
---------	----	---------	--	--	---	---	--	--	------------------

Tulare County

3 SE Tipton	24	1410PST 1412PST			0	0			Funnel Cloud
-------------	----	--------------------	--	--	---	---	--	--	---------------------

In locally heavy rain, pea-size hail and lightning occurred in convective activity in Visalia during frontal passage through the Southern San Joaquin Valley. Local flooding in urban areas was reported as 24-hour precipitation totals climbed over 1/2" with the frontal passage and shower activity. Central San Joaquin Valley rainfall totals reached over 1" in a 24-hour period. Some reports of cold air funnels were received including one southeast of Tipton in the Southern San Joaquin Valley. Mountain snowfall amounts varied from 20" at Ostrander Lake and Fish Camp and 14" at Tuolumne Meadows within a 24-hour period to 16" at Badger Pass and 15" at Lodgepole in 12 hours. Only light amounts of snowfall occurred in the Kern County Mountain areas from this weather system.

CAZ096>097

S Sierra Mtns - Tulare Cty Mtns

25	2100PST				0	0			Winter Storm
26	1200PST								

CAZ095

Kern Cty Mtns

25	2330PST				0	0			Snow
26	2100PST								

Classic Pacific Frontal system spread rain at the lower elevations and snow at elevations above 3000 feet MSL through Interior Central California. Over 15" of snow was reported in a 10-hour period in the Southern Sierra Nevada at Fish Camp with 11" at Tuolumne Meadows, and 13" on Yosemite Valley floor. In the Tulare County Mountains, 12" of snow was reported by Lodgepole and Hume Lake had 10". While not meeting Winter Storm criteria, Mountain Valley Airport in the Tehachapi Mountains had 6" reflecting snow caused problems for traveling through passes in the Kern County mountains.

CAZ095

Kern Cty Mtns

27	0455PST 1000PST				0	0			Snow
----	--------------------	--	--	--	---	---	--	--	-------------

Again, snowfall rates did not meet Winter Storm criteria but continued accumulation of snow in the Kern County Mountains over the period from the 25th through the morning of the 27th plagued the area. Mountain Valley Airport in the Tehachapi Mountains reported a total of 11" of new snow by late in the morning on the 27th. The Grapevine (Interstate Highway 5) from the S.J. Valley to Los Angeles was closed due to snowfall.

CAZ089>092

W Central Sj Valley - E Central Sj Valley - Sw Sj Valley - Se Sj Valley

27	2300PST				0	0			Frost
31	0900PST								

Overnight temperatures on the Central and South San Joaquin Valley floor dropped to freezing and slightly below for the last 4 mornings during the month and continued into February. The minimum temperatures on the 28th were generally 30-32 deg F. and higher on the 29th to only around 32F. The lowest temperatures were reported on the morning of the 31st with 28F at Merced and Wasco, and 29F at Chowchilla and Delano.

CAZ095-099

Kern Cty Mtns - Se Kern Cty Desert

29	1146PST 2200PST				0	0			Wind
----	--------------------	--	--	--	---	---	--	--	-------------

A blustery day in the southern portion of Interior Central California in the Kern County Mountains and Deserts. Cache Peak had a gust to 70 MPH with Mountain Valley Airport sustaining 35 MPH, Jawbone Canyon at 53 MPH, and Zond Wind Farm at 50 MPH. On the desert floor Edwards AFB had gusts to 41 knots.

CAZ089>092

W Central Sj Valley - E Central Sj Valley - Sw Sj Valley - Se Sj Valley

31	0000PST 1100PST				0	0			Fog
----	--------------------	--	--	--	---	---	--	--	------------

Fog formed early in the Central San Joaquin Valley but by dawn had spread to the South Valley with widespread visibilities less than 1/4 mile in dense fog. The fog lingered until just before noon in the Central and Eastern portions of the Valley.

CALIFORNIA, Southeast

CAZ026

Owens Valley

10	1500PST				0	0			Heavy Snow
11	0700PST								

18 inches of new snow was reported in Aspendell, California over a 16 hour period.

CAZ026

Owens Valley

10	1500PST				0	0			Heavy Snow
11	1500PST								

A strong Pacific storm system brought heavy snow to the southern Sierra Mountains. A spotter in Aspendell recorded 18 inches of new snow had fallen in a 24 hour period.

CAZ028

San Bernardino County Deserts

15	0800PST 2200PST				0	0	3K		Winter Storm
----	--------------------	--	--	--	---	---	----	--	---------------------

A cold Pacific storm system brought snow to portions of San Bernardino County, California. 2 inches of snow fell in Barstow and Victorville with up to 4 inches over the higher passes. A Honda Civic driving over Holloran Summit on I-15 slid off the road and

Storm Data and Unusual Weather Phenomena

January 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
CALIFORNIA, Southeast									
crashed into a pole causing significant damage to the vehicle.									
CALIFORNIA, Southwest									
CAZ048			San Bernardino County Valley/The Inland Empire						
	02	0955PST 1340PST			0	1	50K		High Wind (G52) ^M
Santa Ana winds gusting to 60 mph ripped branches off trees across the Inland Empire. In Chino, 3 power poles were knocked down. In Ontario, power lines were blown down and started small brush fires. A car was knocked off of a jack, pinning the man working underneath it. Blowing tumbleweeds covered Interstate 10, bringing traffic to a complete stop.									
CAZ057			Santa Ana Mountains And Foothills						
	02	1030PST			0	0			High Wind (G61) ^M
CAZ058			San Diego County Mountains						
	03	0315PST 0900PST			0	0			High Wind (G56) ^M
San Diego County									
3 E Alpine to 5 W Alpine	03 08	0417PST 1700PST			0	2	10M		Wild/Forest Fire
Dry Santa winds caused a discarded cigarette butt in the median of Interstate 8 to grow into a 10,353 acre brush fire. Resources used to fight the fire cost over \$8 million and involved 2000 fire fighters, nine helicopters, and nine air tankers. Property damaged or destroyed in the fire consisted of 15 single family homes, 65 outbuildings, 15 trailers, and 164 motor vehicles. Several livestock were burned and later euthanized.									
CAZ050			San Diego County Valleys						
	03	0931PST 1046PST			0	0	15K		High Wind (G52)
Santa Ana winds snapped a power pole near Rincon.									
Riverside County									
2 N Mira Loma	03	1006PST 1130PST			0	0			Wild/Forest Fire
San Bernardino County									
2 SW Fontana	03	1022PST 1050PST			0	0			Wild/Forest Fire
Riverside County									
5 SW Murrieta to 11 SW Murrieta	03 05	1139PST 1700PST			0	1			Wild/Forest Fire
San Diego County									
7 N Fallbrook to 6 N Fallbrook	03 05	1359PST 1700PST			0	0			Wild/Forest Fire
Santa Ana winds fanned several brush fires throughout the Inland Empire and San Diego County valleys.									
San Diego County									
La Jolla to Ocean Beach	07 12	0700PST 1300PST			0	1	350K		Storm Surge
Heavy surf began on Sunday, January 7 and continued through Friday, January 12. The highest Spring Tides of the year were occurring during this same time period during the morning hours. On Monday, January 11, a sea wall in Ocean Beach was eroded, and further erosion undercut the foundation of several condominiums. Piers and the entrance to Mission Bay were closed due to large breaking waves, which peaked around 18 feet on Thursday, January 11.									
CAZ060			Apple And Yucca Valleys						
	08	1115PST 1230PST			0	0			Dust Storm
Strong winds ahead of an approaching storm caused blowing dust across the Apple Valley.									
Orange County									
Seal Beach	09	0700PST 0900PST			0	0	240K		Storm Surge
The highest tide of the season combined with 4 foot surf to erode a sand berm. The water that spilled inland then flooded two dozen homes in the Surfside Colony community with about 2 feet of water. Heavy surf continued through the remainder of the week, but the rebuilt sand berm and lower tides prevented further flooding.									
Orange County									
(Sna)Santa Ana Co Ar	10	1300PST			0	0			Funnel Cloud
Orange County									
Garden Grove to Costa Mesa	10 11	1712PST 1200PST			0	3			Urban/Sml Stream Fld

Storm Data and Unusual Weather Phenomena

January 2001

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property Damage	Crops	
CALIFORNIA, Southwest									
CAZ042-060	Orange County Coastal Plain - Apple And Yucca Valleys								
	10	1840PST			0	0	300K		High Wind (G62) ^M
	11	0300PST							
Orange County									
Seal Beach to San Clemente	11	0030PST 0941PST			0	0			Heavy Rain
Orange County									
Garden Grove to San Juan Capistrano	11	0130PST 0430PST			0	0	1M		Flash Flood
San Bernardino County									
Hesperia to Victorville	11	0200PST 1200PST			0	0			Urban/Sml Stream Fld
San Bernardino County									
Devore	11	0220PST 0320PST			0	0			Urban/Sml Stream Fld
San Diego County									
Oceanside to Chula Vista	11	0300PST 1100PST			0	0			Heavy Rain
San Diego County									
Escondido to El Cajon	11	0505PST 1008PST			0	0	350K		Urban/Sml Stream Fld
Riverside County									
Riverside to Perris	11	0746PST 1020PST			0	0			Heavy Rain
<p>This was a two day storm event that began late in the day on January 10 with strong winds and contained several moderate to heavy rain bands. Wind blew two trees onto vehicles and ripped off a roof in the Apple Valley. Along the Orange County Coast mooring lines in Newport Harbor were snapped and a 60 foot boat was blown into a 34 foot sailboat, causing significant damage to both vessels. In Costa Mesa, two large pine trees were snapped in half. In San Diego County, tree limbs were broken in the Ramona area. The first rain band dropped a half to one inch of rain on Orange County during the late afternoon and evening of January 10, resulting in street flooding in several locations. Between 2 and 4 inches of rain fell during the early morning hours of January 11 as a much stronger rain band moved slowly east across the area. In Garden Grove, the roof of one building collapsed under the weight of the pooled rainwater and another business was flooded with 15 inches of runoff. In San Juan Capistrano, runoff from a hillside flooded an underground parking garage to a depth of 5 feet, destroying 15 cars. Pacific Coast Highway was flooded between Sunset Beach and Seal Beach and also in Costa Mesa. Elsewhere in Orange County, mudslides closed Interstate 5, and Highways 74 and 91 for most of the morning hours. Several injuries occurred when motor vehicles flipped after hitting standing water. Standing water was also reported in San Diego County along Interstates 5, 8, and 15 and Highways 67 and 76 during the morning commute hours. Mudslides two feet deep covered Highway 76 in several locations between Rincon and Lake Henshaw. In Sorrento Valley, a mudslide trapped several vehicles. Mudslides also occurred in Alpine, below recently burned hillslides. A 21 foot sailboat moored in Mission Bay, and a 27 foot yacht moored in San Diego Bay were filled by heavy rain and sank. In San Bernardino County, Cajon Creek flooded and trapped the occupant of a pickup truck who tried to cross it. In Apple Valley, six roads in Hesperia and two roads in Victorville were closed due to flooding. In the Inland Empire region of Riverside County, the dry antecedent conditions prevented flooding from</p>									
CAZ055>056-058	San Bernardino County Mountains - Riverside County Mountains - San Diego County Mountains								
	10	1808PST			0	15	60K		Winter Storm
	12	1445PST							
<p>This was the second and strongest of three storms this week, and brought an additional 12 to 21 inches of snow to elevations above 5000 feet. Snowfall amounts between 3 and 9 inches were reported between 2600 feet and 4500 feet elevation. Gusty winds the night of January 10 created blizzard like conditions and knocked out power in several locations. In San Diego County, U. S. Border Patrol agents rescued 45 people stranded in the snow, 15 were suffering from hypothermia.</p>									
San Diego County									
(Myf)Mntgmry Fld San	11	1100PST			0	0			Funnel Cloud
San Diego County									
3 W Chula Vista	11	1120PST			0	0			Waterspout
San Diego County									
La Jolla to Pacific Beach	11	1410PST 1445PST			0	0	45K		Urban/Sml Stream Fld
<p>Heavy rain, small hail, and street flooding accompanied a thunderstorm that moved southeast across the area. Some basements of houses were flooded.</p>									
Orange County									
Newport Beach	11	1530PST			0	0			Funnel Cloud

Storm Data and Unusual Weather Phenomena

January 2001

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

CALIFORNIA, West South Central

San Luis Obispo County

Pismo Beach	08	1600PST			0	0			Urban/Sml Stream Fld
-------------	----	---------	--	--	---	---	--	--	----------------------

Heavy rain produced street flooding in the city of Pismo Beach.

CAZ034>035-039>041

San Luis Obispo County Central Coast - Santa Barbara County Central Coast - Santa Barbara County South Coast - Ventura County Coast - Los Angeles County Coasts Including Downtown Los Angeles

09	0200PST				0	0			Heavy Surf
----	---------	--	--	--	---	---	--	--	------------

Large northwest swell produced a brief period of heavy surf along the coasts of Central and Southern California. North of Point Conception, widespread surf of 10 to 12 feet was reported. South of Point Conception, widespread surf of 6 to 8 feet was reported along west facing beaches.

CAZ051>054

San Luis Obispo County Mountains - Santa Barbara County Mountains - Ventura County Mountains - Los Angeles County Mountains Excluding The Santa Monica Range

10	1100PST				0	0			Winter Storm
----	---------	--	--	--	---	---	--	--	--------------

12	0800PST								
----	---------	--	--	--	--	--	--	--	--

Los Angeles County Countywide

10	1100PST				0	0			Heavy Rain
----	---------	--	--	--	---	---	--	--	------------

12	0800PST								
----	---------	--	--	--	--	--	--	--	--

San Luis Obispo County Countywide

10	1100PST				0	0			Heavy Rain
----	---------	--	--	--	---	---	--	--	------------

12	0800PST								
----	---------	--	--	--	--	--	--	--	--

Santa Barbara County Countywide

10	1100PST				0	0			Heavy Rain
----	---------	--	--	--	---	---	--	--	------------

12	0800PST								
----	---------	--	--	--	--	--	--	--	--

Ventura County Countywide

10	1100PST				0	0			Heavy Rain
----	---------	--	--	--	---	---	--	--	------------

12	0800PST								
----	---------	--	--	--	--	--	--	--	--

A powerful winter storm brought heavy rain, heavy snow and strong winds to Central and Southern California. Total rainfall amounts ranged from 2 to 5 inches across coastal areas...with between 5 to 10 inches of liquid equivalent precipitation in the mountains. Due to very dry soil conditions, flash flooding did not occur. However...numerous reports of urban flooding were received, including the cities of Orcutt, Mount Olympus and Pasadena. This storm also dropped snow levels down to around 3000 feet, producing very significant snowfall in the mountains. At resort levels, above 6000 feet, snowfall totals ranged between 2 and 4 feet. Between 3000 and 6000 feet, snowfall totals ranged from 8 to 24 inches. Along with the heavy snow, southerly winds of 30 to 40 mph with gusts to 60 mph produced widespread visibilities of one mile or less in blowing snow across the mountains.

San Luis Obispo County

Atascadero	10	1451PST			0	0			Thunderstorm Wind (G55)
------------	----	---------	--	--	---	---	--	--	-------------------------

A strong thunderstorm produced damaging winds in northern San Luis Obispo county. Across southern sections of Atascadero, trees were uprooted as well as damage to fences and decks.

CAZ034>035-039>041

San Luis Obispo County Central Coast - Santa Barbara County Central Coast - Santa Barbara County South Coast - Ventura County Coast - Los Angeles County Coasts Including Downtown Los Angeles

10	2200PST				0	0			Heavy Surf
----	---------	--	--	--	---	---	--	--	------------

12	2100PST								
----	---------	--	--	--	--	--	--	--	--

CAZ034>035-039>041

San Luis Obispo County Central Coast - Santa Barbara County Central Coast - Santa Barbara County South Coast - Ventura County Coast - Los Angeles County Coasts Including Downtown Los Angeles

11	0200PST				0	0			Coastal Flooding
----	---------	--	--	--	---	---	--	--	------------------

12	1400PST								
----	---------	--	--	--	--	--	--	--	--

An extremely large swell, combined with high astronomical tides, produced heavy surf and flooding of coastal areas along Central and Southern California. North of Point Conception, surf heights ranged between 20 and 28 feet and produced severe beach erosion. South of Point Conception, surf heights ranged between 12 and 20 feet. Along the Ventura county coast, the high seas produced flooding along Emma Wood and Faria beaches and flooded sections of Highway 1. In Long Beach, the high seas destroyed a pier at the West Coast Long Beach Hotel.

Los Angeles County 5 W (Lax)Los Angeles

12	0849PST				0	0			Waterspout
----	---------	--	--	--	---	---	--	--	------------

A pilot reported a waterspout 5 miles west of Los Angeles International Airport.

Los Angeles County 20 SE (Lgb)Long Beach

12	1157PST				0	0			Waterspout
----	---------	--	--	--	---	---	--	--	------------

A pilot reported a waterspout about 20 miles southeast of Long Beach Airport.

Storm Data and Unusual Weather Phenomena

January 2001

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

COLORADO, Central and Northeast

COZ040>041 **N Douglas County Below 6000 Feet / Denver / W Adams & Arapahoe Counties - Elbert / C & E Douglas Counties Above 6000 Feet**

28	0000MST				0	0	0	0	Heavy Snow
29	0800MST								

Heavy snow fell across portions of the Urban Corridor. The heaviest snowfall occurred from just south of Denver to around Castle Rock. Snowfall totals included: 12 inches, 8 miles east of Parker, 9 inches, 5 miles north of Elizabeth and Littleton, 8 inches, 5 miles west of Castle Rock and Parker, with 7 inches at Aurora.

COZ042-044-046-048>050 **Ne Weld County - Morgan County - N & Ne Elbert County Below 6000 Feet / N Lincoln County - Logan County - Washington County - Sedgwick County**

30	1800MST				0	0			Blizzard
31	1800MST								

A ground blizzard made travel across the northeastern plains of Colorado impossible as whiteout conditions developed. Wind gusts in excess of 60 mph caused extensive blowing and drifting snow, up to 12 feet in depth. Interstate 70, from Limon to the Kansas stateline, U.S. Highway 34, from Brush to the Nebraska stateline, and State Highways 61 and 63, from Otis to Sterling, and from Anton to Interstate 76, were closed for several hours. Peak wind reports included: 61 mph (53 kts), 4 miles east of Haxtun, 54 mph (47 kts) at Woodrow, 53 mph (46 kts) at Merino, with 47 mph (41 kts) at Hereford and 9 miles south of Last Chance.

COLORADO, East Central

COZ090>092 **Yuma County - Kit Carson County - Cheyenne County**

13	0700MST				0	0			Winter Storm
	2100MST								

A strong winter storm system brought a variety of severe winter weather to far eastern Colorado on the morning of January 13th before finally ending in the evening of the same day. Freezing drizzle iced up roads and sidewalks during the morning hours before switching over to all snow by noon. Several accidents occurred across the area before I-70 and U.S. 385 were closed during the afternoon hours. Snowfall amounts varied from 3 to 6 inches across far eastern Colorado.

COZ092 **Cheyenne County**

16	0400MST				0	0			Winter Storm
	2100MST								

A low pressure system moving out of the four corners region into the high plains brought some heavy snow to sections of east central Colorado early on the 16th before ending later that evening. Snowfall amounts varied from 5 to 8 inches by early evening causing hazardous driving conditions for travelers.

COZ090>092 **Yuma County - Kit Carson County - Cheyenne County**

27	1800MST				0	0			Winter Storm
28	0800MST								

A strong storm system moved out of the southwest and across the central high plains the evening of the 27th before exiting the region on the morning of the 28th. Numerous weekend events were either cancelled or postponed due to the heavy snowfall. Snowfall amounts varied from 1 to 7 inches with the heaviest snowfall occurring along and to the north of I-70.

COZ090>092 **Yuma County - Kit Carson County - Cheyenne County**

29	1800MST				0	0			Blizzard
30	1700MST								

A low pressure system across the lower Missouri River Valley in combination with a high pressure system across the central Rocky Mountains produced high winds and blowing snow late on the 29th into the 30th of January. Although no precipitation fell across the area, Blizzard-like weather conditions prevailed across far eastern Colorado. Wind gusts between 50 to 60 mph were quite common causing snow from a storm 2 days earlier, to blow and drift. Several roads were closed due to poor visibility and road conditions including Interstate 70. Numerous schools cancelled classes as well with this storm system.

COLORADO, South Central and Southeast

COZ061 **Eastern San Juan Mountains**

12	1600MST				0	0			Heavy Snow
13	0300MST								

A slow moving upper level disturbance brought areas of heavy high elevation snow to the eastern San Juan mountains. Near the summit of Wolf Creek Pass 14 to 18 inches of snow fell...and 4 to 10 inches fell in the Creede and South Fork areas.

COZ068-070>074-076>078-080>081 **Western Fremont And Northern Custer Counties - 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 - Crowley And Otero Counties/La Junta And Vicinity - Eastern Las Animas County - Kiowa County - Prowers County/Lamar And Vicinity - Baca County/Springfield And Vicinity**

15	1700MST				0	0			Winter Storm
16	1700MST								

A large, slow moving winter storm produced widespread snow across the majority of southern Colorado. Accumulating snow began in the late afternoon on the 15th and continued into the early afternoon hours of the 16th. The following is a snowfall summary: One to 5 inches of snow fell from Leadville to Canon City, and in the San Luis Valley. The summit of Wolf Creek Pass received 10 inches of the white stuff. In the Colorado Springs area...7 to 10 inches of snow fell. Pueblo county and the Walsenburg area saw 8 to 13 inches of snow, but in the Wet mountains around San Isabel, 17 inches of snow was recorded. The Trinidad area logged 3 to 6 inches, but to

Storm Data and Unusual Weather Phenomena

January 2001

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

COLORADO, South Central and Southeast

the east, Crowley and Otero counties had an 8 to 10 inch snowfall. In Kiowa county, a general 6 inch snowfall occurred. Six to 12 inches of snow fell in central and eastern Las Animas county...and western Prowers county...while over a foot of snow fell over eastern Prowers county and much of Baca county.

COZ061

Eastern San Juan Mountains

25	0200MST 1800MST				0	0			Heavy Snow
----	--------------------	--	--	--	---	---	--	--	-------------------

A small, quick moving, intense upper level disturbance generated heavy snow in the eastern San Juan mountains in Mineral county. Six to 10 inches of snow fell just southwest of Creede and up to 17 inches of snow piled up near and at the summit of Wolf Creek Pass.

COZ061-068-081

Eastern San Juan Mountains - Western Fremont And Northern Custer Counties - Baca County/Springfield And Vicinity

26	2300MST				0	0			Winter Storm
27	2100MST								

Another slow moving winter storm caused periods of heavy snow across portions of southern Colorado. The following is a summary of snowfall: across the southeast plains, southeast Baca county was hardest hit, with 9 to 12 inches of snow. The rest of the southeast plains had 4 to 8 inches of the white stuff. Along the I-25 corridor from Colorado Springs to Trinidad, a general 2 to 5 inches of snowfall occurred. Around Pueblo West, around 6 inches was logged, though. In the Wet mountains, Sangre de Cristo mountains, Upper Arkansas Valley and San Luis Valley, 2 to 6 inches of snow whitened the ground, but in the Westcliffe and Coaldale areas, and around Monte Vista, 8 to 9 inches of snow fell. In the eastern San Juan mountains, snowfall was remarkable. A general 6 to 12 inches snowfall occurred, but at the summit of Wolf Creek Pass, 42 inches of new snow was tallied.

COLORADO, West

COZ018>019-021>023

Northwestern San Juan Mountains - Southwestern San Juan Mountains - Four Corners / Upper Dolores River Basin - Animas River Basin - San Juan River Basin

11	1535MST				0	0			Winter Storm
13	0700MST								

A strong Pacific storm system brought widespread snow to southwest Colorado. Snowfall amounts across the lower elevations varied from 3 to 6 inches, with 5 to 10 inches common over the San Juan Mountains. In addition, wind gusts to 52 mph were reported near Telluride during the storm.

COZ019-022>023

Southwestern San Juan Mountains - Animas River Basin - San Juan River Basin

15	1530MST				0	0			Winter Storm
16	1200MST								

A fast moving winter storm brought heavy snowfall to the southwest San Juan Mountains and some lower elevation areas of southwest Colorado. Snowfall accumulations of 6 to 12 inches were common, with 15 inches reported at the Durango Mountain Resort (formerly Purgatory Ski Area), and up to 2 feet of snow over portions of northwest Archuleta county.

COZ019-021>023

Southwestern San Juan Mountains - Four Corners / Upper Dolores River Basin - Animas River Basin - San Juan River Basin

24	1530MST				0	0			Winter Storm
25	0800MST								

A vigorous Pacific storm system brought heavy snow to the southwest San Juan Mountains and to the lower elevations of southwest Colorado. Snowfall accumulations of 6 to 12 inches were common over the mountains, while 3 to 6 inches of snow fell over the lower elevations of southwest Colorado. The heaviest snowfall amounts were reported near the Durango Mountain Resort (formerly Purgatory Ski Area) with 16 inches, and in the higher foothills surrounding Pagosa Springs and Durango where 6 to 8 inches of snow fell. At the top of the Telluride Ski area, peak winds were recorded to 72 mph, while the remainder of the reported gusts throughout the San Juan Mountains were in the 40 to 50 mph range.

COZ018>019-021>023

Northwestern San Juan Mountains - Southwestern San Juan Mountains - Four Corners / Upper Dolores River Basin - Animas River Basin - San Juan River Basin

26	2030MST				0	0			Winter Storm
28	0700MST								

A powerful winter storm brought widespread heavy snowfall to much of southwest Colorado. Accumulations of 6 to 12 inches were reported over the lower elevations, with 15 to 18 inches in the vicinity of Durango and Pagosa Springs. The San Juan Mountains had snowfall totals ranging from 1 to 2 feet. The largest amount was 38 inches reported over Coal Bank Pass.

CONNECTICUT, Northeast

CTZ002>004

Hartford - Tolland - Windham

20	2100EST				0	0			Heavy Snow
21	1200EST								

Heavy snow fell over most of northern Connecticut, with totals of 6 to 8 inches common in Hartford, Tolland, and Windham Counties. Since the storm occurred over the weekend, impact on travel was at a minimum, but there were still several minor accidents reported.

Some snowfall totals from the storm include 8 inches in Stafford, Pomfret, Union, Vernon, and Manchester; 7 inches in Glastonbury, South Windsor and Wethersfield; and 6 inches in Tolland, Ellington, Ashford, and Granby.

CTZ002>004

Hartford - Tolland - Windham

30	0600EST 1100EST				0	0			Freezing Rain
----	--------------------	--	--	--	---	---	--	--	----------------------

Storm Data and Unusual Weather Phenomena

January 2001

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

CONNECTICUT, Northeast

Freezing rain resulted in several accidents throughout Hartford, Tolland, and Windham Counties.

CONNECTICUT, Northwest

CTZ001

Litchfield

21	0200EST				0	0			Winter Storm
	0800EST								

A wave of low pressure developed along a stationary frontal boundary, across interior North Carolina, on Saturday January 20. This storm then deepened as it tracked northeastward by early Sunday morning, reaching a point about 100 miles east of Cape Cod by Sunday morning. This storm brought a significant snowstorm to Litchfield county during the predawn hours on Sunday January 21. A general 7-inch swath of snowfall was reported throughout the county. There were no unusual problems reported to the National Weather Service with this storm.

CONNECTICUT, Southern

CTZ005>010

Northern Fairfield - Northern New Haven - Northern Middlesex - Northern New London - Southern Fairfield - Southern New Haven

21	0700EST				0	0			Heavy Snow
	1030EST								

CTZ011>012

Southern Middlesex - Southern New London

21	0930EST				0	0			Winter Storm
	1030EST								

A low pressure system developed off the mid Atlantic coast Saturday afternoon and moved northeast, passing east of Long Island early Sunday. With abundant low level moisture and cold air in place, light intermittent precipitation occurred Saturday. As the low intensified, heavy precipitation developed and moved northeast across the area.

Heavy snow occurred across much of interior southern Connecticut. Closer to the coast, a period of sleet and freezing rain changed to heavy snow. Here are specific snowfall amounts for:

Fairfield County: from 6.3 inches at Danbury to 8 inches at Sherman. At Bridgeport, 6 inches was measured.

New Haven County: from 6 inches at Meriden to 8 inches at Seymour.

Middlesex County: from 7 inches at Old Saybrook to 8 inches at Haddam.

New London County: from 6 inches at Norwich to 7 inches at Colchester.

DELAWARE

DEZ001>003

New Castle - Kent - Inland Sussex

05	1100EST				0	0			Snow
	1700EST								

Two bands of light snow, one with a low pressure system's warm front and the second with its cold front moved through Delaware during the late morning and the afternoon of the 5th. Accumulations in New Castle County averaged two inches and were around an inch or less elsewhere in the state. High temperatures in Kent and New Castle Counties were generally below freezing. The light snow caused slippery travel conditions on untreated roadways.

DEZ001

New Castle

16	0600EST				0	0			Black Ice
	1000EST								

The combination of dense fog and temperatures close to the freezing mark helped produce black ice on New Castle County roadways during the morning of the 16th. The worst conditions were in the northwest part of the county in Hockessin and Centreville. About 20 accidents were reported between 6 a.m. and 10 a.m. EST throughout the county. No serious injuries were reported.

DEZ001>004

New Castle - Kent - Inland Sussex - Delaware Beaches

20	2100EST				0	0			Wintry Mix
	0800EST								

A vigorous upper air disturbance coupled with a low pressure system that was intensifying east of the New Jersey coast produced a wintry mix across the state of Delaware. Precipitation began as rain across the state during the afternoon of the 20th. During the evening, precipitation changed to sleet and then snow, first in New Castle County. It took until about midnight for the changeover to occur across Sussex County. The heaviest precipitation, thus the largest accumulation of sleet and snow, occurred across New Castle County. Accumulations ranged from less than one inch at the shore to four inches in New Castle County. The snow ended around daybreak on the 21st.

Because this event occurred on a Saturday night (the 20th) and a Sunday morning (the 21st), the number of traffic accidents was relatively lower. But, about 40 accidents were still reported in New Castle County between 11 p.m. EST on the 20th and 11 a.m. EST on the 21st. Specific accumulations included 4 inches in Wilmington (New Castle County), 3.6 inches in Bear (New Castle County), 3 inches in Newark (New Castle County) and at the New Castle County Airport, 1 inch in Milford (Kent County) and Greenwood (Sussex County) and less than one inch in Rehoboth Beach.

Storm Data and Unusual Weather Phenomena

January 2001

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

DISTRICT OF COLUMBIA

DCZ001	District Of Columbia	21	0000EST 1200EST		0	0			Winter Weather
---------------	-----------------------------	-----------	----------------------------	--	----------	----------	--	--	-----------------------

A complex low pressure system moved across the Mid-Atlantic region on the 20th and 21st and brought a mixed bag of precipitation. Rain that began on the 20th changed to sleet and snow during the early morning hours of the 21st. Snowfall continued overnight and ended around 10 AM on the 21st. Snowfall totals included 2.5 inches in northwest Washington, 1.4 inches at Washington Reagan National Airport, and 1.1 inches at the National Arboretum in northeast Washington. An observer in northwest Washington also reported thundersnow. Up to 6 inches of snow was reported across the northwest suburbs of Washington. The snow and sleet caused area roads to become slippery and several traffic accidents were reported. Gusty northwest winds blew during the afternoon of the 21st which caused wind chills to dip to near zero and blew some snow back onto freshly plowed roads. A wind gust of 45 MPH was reported at National Airport.

DCZ001	District Of Columbia	27	0700EST 2000EST		0	0			Strong Wind
---------------	-----------------------------	-----------	----------------------------	--	----------	----------	--	--	--------------------

A strong cold front moved across the region during the morning of the 27th. This front ushered in gusty northwest winds which remained over the region through the evening. A wind gust of 45 MPH was reported at Washington Reagan National Airport.

FLORIDA, East Central

NONE REPORTED.

FLORIDA, Extreme Southern

NONE REPORTED.

FLORIDA, Northeastern

NONE REPORTED.

FLORIDA, Northwest

NONE REPORTED.

FLORIDA, Southern

FLZ063-066>067-070-073 **Glades - Hendry - Inland Palm Beach - Inland Collier - Inland Dade**

01	0400EST 0800EST				0	0			6.0M Extreme Cold
-----------	----------------------------	--	--	--	----------	----------	--	--	--------------------------

The second and coldest night of a two-night freeze in south Florida saw minimum air temperatures ranging from 25 to 30 degrees over interior sections of the peninsula. In the metropolitan areas of Miami-Dade, Broward and Palm Beach counties temperatures were in the middle 30s over the western suburbs. In the downtown metro areas, temperatures were in the lower 40s with the temperatures in the mid 40s at the beach. Crop damage included losses to corn and newly planted sugar cane in Palm Beach County, and to certain vegetables in Hendry and eastern Collier counties. During the freeze, more than 40 house fires were reported, most associated with portable heating devices.

FLZ066-070-073	Hendry - Inland Collier - Inland Dade	05	0200EST 0900EST		0	0			78M Extreme Cold
-----------------------	--	-----------	----------------------------	--	----------	----------	--	--	-------------------------

A freeze occurred throughout the interior sections of south Florida, causing damage to certain crops. Hardest hit were certain vegetable crops with 75% losses in Hendry and east Collier counties and 30% losses in the farming areas of south Miami-Dade county. Other crops that were damaged included newly planted sugar cane, ornamentals, and tropical fruits. A heavy frost occurred in the western suburbs of Miami-Dade, Broward and Palm Beach metropolitan areas. Several daily minimum temperature records were broken. Selected minimum temperatures included 27 degrees at Belle Glade, 29 degrees in the Homestead agricultural area, 31 degrees in Naples, 39 degrees at Miami International Airport and 43 degrees in Miami Beach.

FLZ063-066>067-070	Glades - Hendry - Inland Palm Beach - Inland Collier	10	0500EST 0900EST		0	0			Extreme Cold
------------------------------	---	-----------	----------------------------	--	----------	----------	--	--	---------------------

Freezing temperatures were observed in the interior sections of south Florida. Due to earlier freezes, crop losses were minimal.

Palm Beach County	1 E Palm Beach Shrs	18	1122EST		0	0			Waterspout
--------------------------	----------------------------	-----------	----------------	--	----------	----------	--	--	-------------------

A SKYWARN spotter sighted a waterspout in the Atlantic.

FLZ063-066-068-072-074 **Glades - Hendry - Coastal Palm Beach - Coastal Broward - Coastal Dade**

23	0600EST 1000EST				0	0			Extreme Windchill
-----------	----------------------------	--	--	--	----------	----------	--	--	--------------------------

Temperatures from the mid 30s to mid 40s along with north winds of 10 to 15 mph produced wind chill values in the mid 20s to mid 30s over interior and southeast portions of south Florida.

Storm Data and Unusual Weather Phenomena

January 2001

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

FLORIDA, West Central

FLZ039-042>043-048>049-049-051>052-055>057-060>062-065 **Levy - Citrus - Sumter - Hernando - Pasco - Hillsborough - Polk - Manatee - Hardee - Highlands - Sarasota - De Soto - Charlotte - Lee**

01	0000EST 0900EST		0	0	0	5.1M	Freeze
----	--------------------	--	---	---	---	------	--------

Widespread freezing temperatures were observed across most of West Central and Southwest Florida from the late evening of December 31st through the mid-morning hours of January 1st, 2001.

Low temperatures in Levy county ranged from the low to middle 20s with total durations below freezing, including the evening hours of December 31st, for up thirteen hours.

In Citrus, Sumter, Hernando and Pasco counties, low temperatures ranged from the middle to upper 20s and remained below freezing for durations of nine to thirteen hours.

In Polk, Hillsborough, Highlands, Hardee and De Soto counties, low temperatures ranged from the middle to upper 20s and remained below freezing for durations of six to nine hours. Isolated pockets of low temperatures in the upper teens were observed in extreme rural southern Highlands county. In Hillsborough county, the freeze caused nearly four million dollars in damage to the tropical fish crop.

In Sarasota, Manatee, Charlotte and Lee counties, low temperatures dropped into the upper 20s and lower 30s and remained below freezing for durations of five to seven hours. In Lee county, the freeze caused nearly three million dollars in damage to the squash and cucumber crop. In Charlotte county, the freeze caused at least 100 thousand dollars damage to the pepper crop.

FLZ039-042>043-048 **Levy - Citrus - Sumter - Hernando**

02	0400EST 0900EST		0	0	0	0	Freeze
----	--------------------	--	---	---	---	---	--------

Freezing temperatures were observed across a portion of West Central Florida during the predawn and mid-morning hours of January 2nd, 2001.

Low temperatures in Levy, Citrus, Sumter and Hernando counties dropped into the upper 20s and lower 30s for durations below freezing for two to five hours.

FLZ039-042>043-048>049-052 **Levy - Citrus - Sumter - Hernando - Pasco - Polk**

03	0000EST 0900EST		0	0	0	0	Freeze
----	--------------------	--	---	---	---	---	--------

Freezing temperatures were observed over parts of West Central Florida during the pre-dawn and mid-morning hours of January 3rd, 2001.

Low temperatures in Levy county ranged from the low to middle 20s with durations below freezing for up to nine hours.

In Citrus, Sumter, Hernando, Pasco and Polk counties, low temperatures ranged from the upper 20s to the lower 30s with durations below freezing for three to five hours.

FLZ039-042>043-048>049-051>052-055>057-060>061 **Levy - Citrus - Sumter - Hernando - Pasco - Hillsborough - Polk - Manatee - Hardee - Highlands - Sarasota - De Soto**

04	0100EST 0900EST		0	0	0	0	Freeze
----	--------------------	--	---	---	---	---	--------

Widespread freezing temperatures were observed across most of West Central Florida during the predawn and mid-morning hours of January 4th, 2001.

Low temperatures in Levy county ranged from the upper teens to the middle 20s with durations below freezing for up to nine hours.

In Sumter county, low temperatures ranged from the low to middle 20s with durations below freezing for up to six hours.

In Citrus, Hernando and Pasco counties, low temperatures ranged from the middle to upper 20s with durations below freezing for three to six hours.

In Hillsborough, Polk, Hardee, De Soto, Highlands, eastern Manatee and eastern Sarasota, low temperatures ranged from the upper 20s to the lower 30s with durations below freezing for one to two hours.

Storm Data and Unusual Weather Phenomena

January 2001

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

FLORIDA, West Central

In eastern Pasco, eastern Hillsborough, Polk, Hardee and De Soto counties, low temperatures dropped into the upper 20s to lower 30s for durations below freezing for up to three hours.

FLZ039-042>043-048>049 **Levy - Citrus - Sumter - Hernando - Pasco**

24	0530EST 0830EST				0	0	0	0	Freeze
----	--------------------	--	--	--	---	---	---	---	--------

Freezing temperatures were observed over parts West Central Florida during the pre-dawn hours of January 24th, 2001.

In Levy, Citrus, Hernando, Sumter and eastern Pasco counties, low temperatures dropped into the upper 20s to lower 30s for durations below freezing of up to three hours.

FLZ039-042>043-048 **Levy - Citrus - Sumter - Hernando**

26	0000EST 0900EST				0	0	0	0	Freeze
----	--------------------	--	--	--	---	---	---	---	--------

Freezing temperatures were observed over portions of West Central Florida during the pre-dawn to mid-morning hours of January 26th, 2001. Low temperatures in Levy county dropped into the middle to upper 20s for durations below freezing for up to nine hours.

In Citrus, Sumter and eastern Hernando counties, low temperatures dropped into the upper 20s to lower 30s for durations below freezing for up to six hours.

FLORIDA, West Panhandle

Okaloosa County

Ft Walton Beach	19	0840CST 0845CST			0	0			Waterspout
-----------------	----	--------------------	--	--	---	---	--	--	------------

A waterspout was reported just offshore over the Gulf coastal waters moving toward the shore. The waterspout persisted over the coastal waters for several minutes, and dissipated before moving ashore.

Okaloosa County

Eglin Afb	19	0845CST 0850CST			0	0			Thunderstorm Wind (G60) ^M
-----------	----	--------------------	--	--	---	---	--	--	--------------------------------------

A thunderstorm produced a 69 mph wind gust at Duke Field, on Eglin AFB, near Crestview. No damage was reported.

FLZ002

Coastal Escambia	19	0855CST 0905CST			0	0			High Wind (G50) ^M
-------------------------	----	--------------------	--	--	---	---	--	--	------------------------------

A "Bubble High" developed in the wake of a line of eastward moving thunderstorms, and produced a tight pressure gradient, which resulted in strong gusty winds. Weather Instruments on Pensacola Beach, installed by the Escambia County EMA, recorded a wind gust of 59 mph. In addition, the high winds blew a large piece of tin roofing off a downtown Pensacola business.

GEORGIA, East Central

McDuffie County

Thomson	19	1425EST			0	0			Thunderstorm Wind (G65)
---------	----	---------	--	--	---	---	--	--	-------------------------

Sheriff reported numerous trees down in the area.

Columbia County

Countywide	19	1435EST 1450EST			0	0			Thunderstorm Wind (G65)
------------	----	--------------------	--	--	---	---	--	--	-------------------------

EOC reported numerous trees and powerlines down from Winfield and Appling to Pollards Corner.

Lincoln County

Amity to New Hope	19	1437EST 1452EST			0	0			Thunderstorm Wind (G55)
----------------------	----	--------------------	--	--	---	---	--	--	-------------------------

Post Office reported several trees down across the southern part of the county.

Burke County

Midville to Keysville	19	1637EST 1647EST			0	0			Thunderstorm Wind (G50)
--------------------------	----	--------------------	--	--	---	---	--	--	-------------------------

Post Office reported several trees down in the western part of the county between Keysville and Midville.

GEORGIA, Lower

NONE REPORTED.

GEORGIA, North and Central

GAZ001>008-011>013-015-019>021-030>033-041>044-053>054 **Dade - Walker - Catoosa - Whitfield - Murray - Fannin - Gilmer - Union - Chattooga - Gordon - Pickens - Lumpkin - Floyd - Bartow - Cherokee - Polk - Paulding - Cobb - North Fulton - Haralson - Carroll - Douglas - South Fulton - Coweta - Fayette**

01	0758EST 1440EST				0	0			Light Snow
----	--------------------	--	--	--	---	---	--	--	------------

Arctic air was firmly entrenched across the southeastern U.S. on New Year's day. Temperatures in the teens and 20's were common

Storm Data and Unusual Weather Phenomena

January 2001

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

GEORGIA, North and Central

Arctic air was firmly entrenched across the southeastern U.S. on New Year's day. Temperatures in the teens and 20's were common across north and central Georgia during the morning. Temperatures remained below freezing most of the day. As a disturbance aloft moved southeast from the Tennessee Valley over the very cold surface air, light snow fell, mainly across northwest Georgia. The disturbance was moving quickly southeast and surface moisture was limited. Consequently, snowfall amounts were light. The snow was generally confined to areas west and north of a line from Carrollton, to Rome, to Jasper, to Dalton. Most reported snowfall amounts were in the 1/2 to 1 inch range, with Chattooga reporting the greatest amount with 2 inches. Because of the subfreezing temperatures and a prolonged 1 to 2 week period of much below normal temperatures, snow adhered quickly to road surfaces. Roads were reported to be icy and hazardous in most areas where snow fell and numerous accidents were reported, especially in Floyd, Dade and Chattooga counties.

GAZ001-005>008-013 Dade - Murray - Fannin - Gilmer - Union - Pickens

09	0730EST				0	0			Light Snow
	0855EST								

An area of light snow traversed the northwest corner of the state. Most locations only saw a light dusting of snow, but Gilmer county reported 1 inch of snow for the maximum amount reported. Road problems were limited to icy or slick spots mainly on bridges and overpasses. The snow only lasted for a couple of hours.

GAZ019

Floyd									
15	0800EST				0	2	35K		Fog
	0900EST								

Early morning dense fog contributed to a series of accidents within a 1 hour period across Floyd county and particularly in Rome. Seven separate accidents were reported and attended to by state and local police. The accidents, in separate incidents, involved 12 cars and one 18-wheel truck. One accident, involving two cars occurred on Wayside Road and resulted in one non-serious injury. Another accident occurred on Ward Mountain Road and involved 2 cars and no injuries. Three separate incidents occurred at the intersection of Georgia Highway 53 and Georgia Highway 140. The first two involved a pair of cars while the third involved an 18-wheel truck trying to avoid the accident scene of the previous two. The 18-wheel truck jack-knifed, snapped two utility poles, and spilled diesel on the roadway. In Rome, a four-vehicle accident occurred at the intersection of Georgia Highway 53 and the East Rome Bypass. One person was injured in this four-vehicle incident.

Douglas County Douglasville

19	1200EST				0	0	175K		Lightning
-----------	----------------	--	--	--	----------	----------	-------------	--	------------------

The Douglas county 911 center, and later the Atlanta Journal and Constitution, reported that lightning struck a home in Douglasville. While no one was home at the time of the incident, the lightning started a fire that destroyed the home. In addition, a firefighter suffered a broken ankle battling the blaze.

Douglas County 6 S Douglasville

19	1200EST				0	0	1.5K		Thunderstorm Wind
-----------	----------------	--	--	--	----------	----------	-------------	--	--------------------------

An off duty National Weather Service employee reported 4 trees down along Georgia Highway 166 south of Douglasville and another tree was also reported down by the public in the same general area.

Stewart County Louvale

19	1200EST				0	0	0.50K		Thunderstorm Wind
-----------	----------------	--	--	--	----------	----------	--------------	--	--------------------------

The Stewart county 911 center reported two trees down near Louvale.

Fulton County Union City

19	1210EST				0	0	500K		Thunderstorm Wind
-----------	----------------	--	--	--	----------	----------	-------------	--	--------------------------

The Fulton county 911 center, local county and city officials, and the Atlanta Journal and Constitution reported that strong winds knocked down numerous large trees causing damage to automobiles and homes. At least eight homes were damaged significantly as large trees fell through the roofs and one car was demolished as a large pine tree fell through the roof. Dozens of trees, some 50 feet or higher, were toppled along with nearby power lines. Most of the damage occurred along Feldwood Road in south Fulton County.

Clayton County Forest Park

19	1224EST	0.1	100		0	8	2.5M		Tornado (F0)
-----------	----------------	------------	------------	--	----------	----------	-------------	--	---------------------

A damage survey, conducted by National Weather Service personnel from the Peachtree City, Georgia office, determined that an F0 tornado briefly touched down at the Forest Square Shopping Center on Georgia Highway 54, Jonesboro Road, near the southwest corner of Fort Gillem. This is about 3 miles southeast of Atlanta's Hartsfield International Airport. Six buildings sustained considerable damage, mainly to roofs, windows, and to exteriors. A pawnshop in the shopping center lost part of its roof and a Pizza Hut, immediately next door, lost all of its windows. Several other buildings in the area lost windows from flying debris. A nearby Pep Boys Auto Parts store lost a large portion of its roof and exterior awnings. The flying debris from the roof of the damaged buildings, particularly the Pep Boys store, caused damage to 15 to 20 cars parked nearby. Many of the cars had their rear windows shattered out and appeared as if they had been hit with a major hailstorm, although no hail was reported in the area. It is believed that rock pebbles from the roofs of the damaged buildings were largely responsible for this occurrence. The flying debris and glass caused injury to 8 people. The injuries were described as being mainly cuts and bruises, although one person suffered a broken arm. Power lines were also reported down in the same area.

Clayton County Forest Park

19	1226EST				0	1			Lightning
-----------	----------------	--	--	--	----------	----------	--	--	------------------

The Clayton county Emergency Management Director reported that a person was struck by lightning. The injured person was treated and released at a local hospital.

Storm Data and Unusual Weather Phenomena

January 2001

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

GEORGIA, North and Central

Fayette County

Tyrone	19	1229EST			0	0	3K		Thunderstorm Wind
---------------	----	---------	--	--	---	---	----	--	--------------------------

The Fayette county emergency management director reported power lines down.

Taylor County

4 SE Butler	19	1230EST 1232EST	0	20	0	0	0		Tornado (F0)
--------------------	----	--------------------	---	----	---	---	---	--	---------------------

A storm survey conducted by National Weather Service personnel from the Peachtree City, Georgia office revealed that a weak F0 tornado touched down approximately 4 miles southeast of Butler. The tornado likely existed as a funnel cloud for a 10 minute period from 4 miles south to 6 miles east-southeast of Butler. A funnel was observed by state police between Buena Vista and Butler during this time frame. Along the path of the funnel, a couple of small pine trees were blown down. The funnel cloud then reached the ground as a weak F0 tornado approximately 4 miles southeast of Butler and only remained on the ground for a brief 1 to 2 minutes. The tornado touchdown occurred in a rural logging area and as a result, only a few small pine trees were blown down. Because of the nature and location of the damage, the dollar value of the damage was believed to have been insignificant.

Gwinnett County

Lawrenceville	19	1305EST			0	0	325K		Lightning
----------------------	----	---------	--	--	---	---	------	--	------------------

The Atlanta Journal and Constitution reported that lightning set two homes on fire. The first, a four bedroom home, was located on Millhaven Court Cove and was completely destroyed by the ensuing fire. The second home was located on Harbor Bay Drive. Firefighters were able to contain the fire to the attic area of this house.

Bibb County

3 N Macon to 3 S Macon	19	1310EST 1320EST			0	0			Hail (1.75)
-----------------------------------	----	--------------------	--	--	---	---	--	--	--------------------

Several reports of hail, ranging in size from dime to golf ball, were reported by the public from North Macon to South Macon.

Bibb County

3 N Macon to 3 S Macon	19	1310EST 1320EST			0	0	1K		Thunderstorm Wind
-----------------------------------	----	--------------------	--	--	---	---	----	--	--------------------------

The public reported several tree limbs blown down, along with one live tree and several dead trees which fell on a power line from North Macon to South Macon.

Jones County

9 SW Gray	19	1315EST			0	0	2K		Thunderstorm Wind
------------------	----	---------	--	--	---	---	----	--	--------------------------

An amateur radio operator reported power lines down near the Bibb/Jones county line in extreme southwest Jones county.

Bibb County

Macon	19	1321EST			0	0			Urban/Sml Stream Fld
--------------	----	---------	--	--	---	---	--	--	-----------------------------

An amateur radio operator and the public reported that parts of Macon had received up to 5 inches of rain in a relatively short period of time resulting in some street flooding, particularly on University Boulevard, where up to one foot of water was reported on the street in drainage areas.

Baldwin County

Countywide	19	1340EST 1345EST			0	0	5K		Thunderstorm Wind
-------------------	----	--------------------	--	--	---	---	----	--	--------------------------

Local county officials and the county 911 center reported that trees were blown down all across the county. Some of the most extensive damage occurred in and just west of Milledgeville.

Hancock County

9 W Sparta to 5 E Sparta	19	1345EST			0	0	3K		Thunderstorm Wind
-------------------------------------	----	---------	--	--	---	---	----	--	--------------------------

The Hancock county 911 center reported that trees were blown down 5 miles east of Sparta and also on the west side of the county.

Warren County

5 NNW Norwood	19	1420EST			0	0	2K		Thunderstorm Wind
----------------------	----	---------	--	--	---	---	----	--	--------------------------

The Warren county 911 center reported that trees were down.

Glascock County

6 NW Gibson	19	1515EST			0	0	7K		Thunderstorm Wind
--------------------	----	---------	--	--	---	---	----	--	--------------------------

The Glascock county 911 center reported trees down in the northwest part of the county near Five Points. In addition, the roof of one home was damaged.

Laurens County

5 NE Dublin	19	1535EST			0	0	2K		Thunderstorm Wind
--------------------	----	---------	--	--	---	---	----	--	--------------------------

The Laurens county 911 center reported that trees were blown down.

Jefferson County

Louisville	19	1550EST			0	0	2K		Thunderstorm Wind
-------------------	----	---------	--	--	---	---	----	--	--------------------------

The Jefferson county 911 center reported that trees were blown down.

GAZ006>009- 013>016

Fannin - Gilmer - Union - Towns - Pickens - Dawson - Lumpkin - White

	20	1200EST 2000EST			0	0			Light Snow
--	----	--------------------	--	--	---	---	--	--	-------------------

Storm Data and Unusual Weather Phenomena

January 2001

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

GEORGIA, North and Central

Arctic air rapidly filtered into north and central Georgia behind the strong cold front that brought severe thunderstorms and tornadoes to the state on the 19th. A fast moving, Alberta clipper-like system brought a brief period of snow to north central and northeast Georgia during the afternoon. The snow was generally confined to areas north and east of a line from Dalton, to Jasper, to Dawsonville, to Dahlonega, to Cleveland. Snowfall amounts were generally in the 1/2 to 1 inch range, with Fannin county reporting 1.5 inches for the most. Temperatures were near the freezing mark during the snowfall, but fell below during the evening hours. Thus, while roads were not significantly impacted initially, by evening, most roads in Dawson, Fannin, Gilmer, Lumpkin, Towns, and Union were reported to be ice covered and hazardous with only emergency travel recommended.

GEORGIA, Northeast

Hart County

Vanna	19	1340EST 1341EST	1	50	0	0	50K		Tornado (F1)
--------------	----	--------------------	---	----	---	---	-----	--	---------------------

Hart County

Vanna	19	1341EST 1342EST			0	0	150K		Thunderstorm Wind (G70)
--------------	----	--------------------	--	--	---	---	------	--	--------------------------------

A cold front crossed northeast Georgia on the 19th, producing strong convection. A small tornado moved west to east, first damaging a couple of chicken houses west of Highway 17, then causing more substantial damage from 1/4 to 1/2 mile east of the highway. Three houses were damaged, a mobile home was pushed off its foundation, and trees were downed.

The tornado damage was maximized on the hilltops. The most damage, \$25,000 or so, occurred at the last house, where mid F1-level damage occurred. Most of the damage was F0 to low F1. Rear flank downdraft winds occurred just southeast of the tornado, mostly in the form of destroyed barns and chicken houses.

GEORGIA, Southeast

NONE REPORTED.

GEORGIA, Southwest

Clay County

1 N Ft Gaines	19	1045EST			0	0	175K		Thunderstorm Wind
----------------------	----	---------	--	--	---	---	------	--	--------------------------

Four mobile homes, two homes and a barn damaged. Reported by the Clay County Sheriff.

Thomas County

Thomasville	19	1810EST			0	0	5K		Thunderstorm Wind
--------------------	----	---------	--	--	---	---	----	--	--------------------------

Numerous trees and power lines down. Reported by the Thomas County EMA.

HAWAII

HIZ001>003

Kauai - Oahu - Maui

01	0000HST			0	0				Record Low Rainfall
31	2359HST								

An unusually dry weather pattern over the state of Hawaii produced an all-time record for lowest January rainfall at Kahului Airport on Maui and helped tie the record at Honolulu Airport.

Unofficial gage reports from Wainiha in North Kauai and Kula in Upcountry Maui suggested that records may have been broken at these locations as well.

Location	Jan 2001 Total (inches)	January (Average)	Previous Record	Year
Kahului Airport	0.03	4.14	0.12	1977
Honolulu Airport	0.18	3.55	0.18	1986
Wainiha	1.34*	12.60	1.50	1986
Kula	0.14*	3.70	0.25	1983

* = Unofficial rain total

HIZ001>007

Kauai - Oahu - Maui - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - Molokai - Lanai - West Hawaii Including Leeward Kohala And Kona

02	1200HST			0	0				High Surf
03	0700HST								

Storm low far northwest of the state produced surf of 6 to 10 feet along the north- and northwest-facing shores of all the Hawaiian Islands.

Storm Data and Unusual Weather Phenomena

January 2001

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

HAWAII

HIZ001>007

Kauai - Oahu - Maui - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - Molokai - Lanai - West Hawaii Including Leeward Kohala And Kona

04	0900HST								
06	0200HST				0	0			High Surf

A deep storm low well northwest of Hawaii generated surf of 15 to 18 feet along the north- and northwest-facing shores and 6 to 10 feet along the west-facing shores of all the islands.

Honolulu County

5.5 SE Waimanalo

04	1315HST								
					0	2			Rogue Wave

An unexpected large wave caused injuries to two men wading in the tidal pool area below the Makapuu lighthouse in East Oahu. One man suffered a broken leg and the other complained of back pain.

HIZ001>007

Kauai - Oahu - Maui - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - Molokai - Lanai - West Hawaii Including Leeward Kohala And Kona

11	1800HST								
14	0400HST				0	0			High Surf

A deep storm low far northwest of the state caused surf of 15 to 20 feet on north- and northwest-facing shores and 12 to 15 feet on west-facing shores of all the Hawaiian Islands. The surf on the 12th was especially noteworthy in that the Kauai County Water Safety department closed all beaches west of the Hanalei lifeguard station because of the danger posed by the high surf; and on Oahu, water covered several roads near Ehukai and Laniakea beaches on the North Shore and Maili and Makaha beaches on the western shore.

HIZ001>006

Kauai - Oahu - Maui - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - Molokai - Lanai

14	0800HST								
	2000HST				0	0			High Surf

A trade wind swell produced surf of 4 to 6 feet on the eastern shores of all the Hawaiian Islands.

Kauai County

Anahola to
Lihue

14	0915HST								
	1200HST				0	0			Urban/Sml Stream Fld

Heavy showers caused minor stream and drainage ditch flooding and ponding of roadways. No serious property damage or injuries were reported.

HIZ001>007

Kauai - Oahu - Maui - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - Molokai - Lanai - West Hawaii Including Leeward Kohala And Kona

15	1200HST								
20	0400HST				0	0			High Surf

A powerful western Pacific storm low generated surf of 15 to 20 feet along the north- and northwest-facing shores and 8 to 12 feet along the west-facing shores of all the islands. Kauai beaches west of the Hanalei lifeguard station were again closed, this time on the 17th and 18th, due to the dangerously high surf conditions.

Maui County

2 NE Olowalu

22	0900HST								
23	1500HST				0	3			Wild/Forest Fire

A fire burned an 800-acre area of brush in the Cut Mountain section of West Maui between Olowalu and Launiupoko. The fire, spread by strong trade winds, scorched that part of the island from the 1200-foot level of the mountain down to Honoapiilani Highway that runs along the coast. The highway had to be closed for 7 hours, 1038 to 1740, on the 22nd, causing a severe traffic jam.

The blaze had threatened two homes and a piggery, but no damage was reported to these structures. A shed burned to the ground, with a loss of the building and tools, including a few generators, inside the shed. No estimated cost of the loss was available.

Many firefighters took part in dousing the flames, with three receiving minor injuries. Four water-bucket carrying helicopters were used in containing the fire as well. The cause of the brush fire was unknown.

HIZ001>006

Kauai - Oahu - Maui - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - Molokai - Lanai

24	0800HST								
26	1800HST				0	0			High Surf

A trade wind swell caused surf of 4 to 8 feet along the east shores of all the Hawaiian Islands.

HIZ001>007

Kauai - Oahu - Maui - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - Molokai - Lanai - West Hawaii Including Leeward Kohala And Kona

31	0900HST								
	2359HST				0	0			High Surf

An intense storm low well northwest of the state generated surf of 15 to 18 feet along the north- and northwest-facing shores and 6 to 10 feet along the west-facing shores of all the islands.

Hawaii County

3 NW Laupahoehoe

31	1200HST								
	2359HST				0	0			Wild/Forest Fire

A brush fire, fanned by strong trade winds, burned about 50 acres between Ookala and Laupahoehoe on the Waimea side of Kaawalii

Storm Data and Unusual Weather Phenomena

January 2001

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

HAWAII

Gulch on the Big Island. The blaze disrupted traffic between the two towns for a time, though no homes or other structures were ever threatened by the fire.

Many firefighters from different locales took part in battling the blaze. One water-bucket carrying helicopter was used to assist the men on the ground. No injuries or serious property damage were reported. The cause of the fire remained unknown.

IDAHO, Extreme Southeast

NONE REPORTED.

IDAHO, North

IDZ007>010

Orofino / Grangeville Region - Eastern Lemhi County

11	1725MST								
12	1725MST			0	0				Heavy Snow

Heavy snow fell in portions of north central Idaho. In Idaho County, Grangeville received 8 inches of new snow. In the mountains of Lemhi County, Meadow Lake and Moonshine also received 8 inches of new snow.

IDZ005

Northern Clearwater Mountains

30	0600MST								
31	0600MST			0	0				Heavy Snow

Heavy snow fell in the northern Clearwater Mountains of Idaho. Cool Creek received 7 inches, and Elk Butte received 8 inches of new snow.

IDAHO, Northwest

IDZ003>004-027

Idaho Palouse - Central Panhandle Mountains - Lewis And Southern Nez Perce

12	0400PST								
	1600PST			0	0				Heavy Snow

Moisture wrapping around the back side of an upper level low moving across northern Oregon and the southern Idaho panhandle brought heavy snow to parts of the Idaho panhandle on January 12, generally south of Interstate 90. Accumulating snowfall was generally confined to elevations at and above 1500 feet, leaving out lower elevations of the Clearwater River Valley. Snowfall amounts ranged as high as six inches. Specific snowfall reports included: Winchester...6.3", Nez Perce...4.0", Potlatch...4.0", and Saint Maries...4.0".

IDZ003>004-027

Idaho Palouse - Central Panhandle Mountains - Lewis And Southern Nez Perce

14	0400PST								
	1600PST			0	0				Heavy Snow

An upper level low over western Montana caused upslope northwest flow and unstable conditions over the southern Idaho panhandle on January 14, leading to heavy snow. Heavy snow was generally confined to elevations above 1500 feet, leaving the lower elevations of the Clearwater Valley out of the heavy snow. Snowfall amounts of 4 to 6 inches were common. Specific snowfall reports included Winchester...5.5" and Saint Maries...3.8"

IDZ003>004

Idaho Palouse - Central Panhandle Mountains

19	0800PST								
	2000PST			0	0				Heavy Snow

A northeastward-moving warm front brought heavy snow to the mountains of the central Idaho panhandle south of Interstate 90. Weather spotters reported snowfall amounts of four to six inches.

IDAHO, Southeast

IDZ018-018-018>019-022-031>032

Sawtooth Mountains - Upper Snake Highlands - South Central Highlands - Big And Little Wood River Region - Lost River / Pahsimeroi

11	0500MST								
12	0500MST			0	0				Heavy Snow

A strong winter storm brought heavy snow to the central, southern, and eastern mountains of Idaho. 10 to 20 inches were reported at many locations above 6500 feet in the central mountains with 8 inches in the city of Hailey. 6 inches were reported at Macks Inn and Island Park in the eastern mountains. 7.5 inches were reported at the Bostetter Ranger Station in the southern mountains at 7500 feet.

IDZ023

Caribou Highlands

14	0000MST								
	1800MST			0	0				Heavy Snow

Locally heavy snow fell in the eastern mountains with 12 inches reported in the town of Palisades.

IDZ018-021>022-031>032

Sawtooth Mountains - Lower Snake River Plain - South Central Highlands - Big And Little Wood River Region - Lost River / Pahsimeroi

24	1400MST								
25	2000MST			0	0				Winter Storm

A slow moving winter storm brought significant snowfall to the mountains and valleys of southeastern Idaho. 6 to 7 inches were reported overnight on the 24th in Arco, Grouse, Craters of the Moon, and Hailey. Through the day on the 25th, 8 inches fell in Juniper with 14 inches at the Pomerelle ski resort. Snow amounts on the 25th ranged from 4 to as high as 6 inches in the cities of Pocatello and Blackfoot in the Lower Snake River Plain.

Storm Data and Unusual Weather Phenomena

January 2001

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

IDZ012

Lower Treasure Valley

24 1700MST

0 0

Heavy Snow

25 0300MST

Southeast surface winds converged with an approaching trough out of southeast Oregon and created a persistent narrow band of heavy snow that extended from Marsing to northwest of Caldwell. The system eventually dumped 4 to 8 inches of snow over the area, with unofficial reports of up to 10 inches near Lake Lowell.

ILLINOIS, Central

ILZ036

Fulton

28 1200CST

0 0

Ice Storm

29 0400CST

Fulton County ESDA officials reported power lines down due to heavy accumulations of ice in northern parts of the county.

ILLINOIS, Northeast

NONE REPORTED.

ILLINOIS, Northwest

ILZ001-007-015

Jo Daviess - Carroll - Rock Island

01 0000CST

0 0

Snow

0400CST

A slow-moving upper-level disturbance moved through Iowa during the late evening hours of 12/31/00 through the early morning of January 1st. The system brought light to moderate snow to east central and northeast Iowa, and far northwest Illinois. Snowfall amounts of one to three inches were common, before the snow tapered to flurries before sunrise. The system tracked east into the Ohio Valley through the day.

ILZ001>002-007-009-015>018-024 **Jo Daviess - Stephenson - Carroll - Whiteside - Rock Island - Henry - Bureau - Putnam - Mercer**

13 2100CST

0 0

Snow/Freezing Rain

14 1000CST

A storm system moved out of the central Plains into northern Missouri late on 1/13 into early 1/14. Surface temperatures near or a few degrees above freezing, combined with a warmer layer aloft, produced conditions ideal for a mix of rain, freezing rain, sleet, and snow across the area. The precipitation spread from eastern Iowa into western Illinois during the evening hours of 1/13. Ice accumulations up to 1/8 inch created slick driving conditions. Several accidents were reported during the overnight hours in far northwest Illinois. Snowfall accumulations were mainly limited to areas north of Interstate 80, where amounts ranging from a few tenths up to one inch were reported. Occasional light snow tapered to flurries across parts of far northwest Illinois, during the morning of 1/14. Flurries and light drizzle lingered through the afternoon hours, as the storm tracked into northwest Illinois.

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**

26 0200CST

0 0

Snow/Blowing Snow

27 0400CST

An upper-level low tracked from northern Missouri during the early morning of 1/26, into central Illinois by evening. Light snow began in far northeast Missouri and east central Iowa around 2 am, then spread eastward into western Illinois around sunrise. The snow tapered to flurries during the early evening. Snowfall accumulations ranging from two to four inches were common along and south of the U.S. Highway 34 corridor, with lesser amounts of one to two inches to the north. Henderson County Illinois received amounts up to five inches. As the system continued progressing to the east, a northwest wind increased during the late afternoon and evening, with gusts up to 30 miles an hour. The strong wind produced considerable blowing and drifting snow, which created low visibilities in open and rural areas, and partially blocked roads. Law enforcement officials reported at least eight deaths across the area in weather-related traffic accidents Friday night and early Saturday morning. A law enforcement official attributed the numerous accidents to rapidly changing road conditions and motorists traveling too fast for conditions. Law enforcement also handled numerous minor accidents and vehicles in ditches during the period. Many area schools were closed Friday, or dismissed early. Hazardous driving conditions continued into the early morning hours of 1/27, before the winds relaxed.

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**

28 1000CST

0 0

Ice Storm

29 1500CST

A strong storm system moved northeast out of Texas on Sunday, January 28th, into Missouri on Monday the 29th, and then into central Iowa Monday evening. The low pulled abundant warm, moist air northward, which overrode colder air in place near the surface. The biggest impact from the storm was the significant ice accumulations, and ice storm warnings were in effect for the area from Sunday afternoon through early Monday afternoon. Snow and locally heavy rains with the storm also contributed to the hazardous road conditions and some flooding of urban streets and rural roads. The precipitation began as snow and sleet, starting in far northeast Missouri, west central Illinois, and far southeast Iowa by mid-morning Sunday. The snow and sleet then spread north through the afternoon, with periods of moderate to heavy snow and accumulations around one to three inches over areas north of U.S. Highway 34. The precipitation then changed over to freezing rain from south to north across the area from Sunday afternoon through

Storm Data and Unusual Weather Phenomena

January 2001

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

ILLINOIS, Northwest

evening. Freezing rain continued south of Highway 34 through 8 am on Monday, and through early Monday afternoon along and north of Interstate 80. Ice accumulations of 1/4 to 1/2 inch were common across much of eastern Iowa, far northeast Missouri, and western Illinois, with amounts as high as one inch in Van Buren County Iowa and Hancock County Illinois. Area law enforcement officials were kept very busy handling numerous accidents, beginning Sunday afternoon and continuing through Monday night. Late Sunday afternoon, two people were killed and an Iowa State Trooper was seriously injured when a semi-trailer truck swerved off Interstate 80 in Cedar County Iowa and struck a squad car and another vehicle. Around the same time in Davenport, Iowa, two motorists escaped with only minor injuries when their vehicle swerved over a ten foot wall. Another accident in Moline, Illinois, earlier in the day caused a brief power outage for more than 800 Quad City residents. A Freeport, Illinois hospital handled six slip-and-fall injuries on Monday. Law enforcement also reported trees and power lines down due to the ice accumulation in Johnson County in Iowa, and Stephenson, Carroll, Hancock, and McDonough Counties in Illinois. After the precipitation changed over to rain Monday morning and afternoon, locally heavy amounts of one to two inches fell across much of the area, before the rain tapered off from south to north by Monday night. Law enforcement reported street flooding in Davenport and Burlington Iowa, and flooding of rural roads in Hancock County Illinois. Above-freezing temperatures also produced some snowmelt during the day Monday, which further aggravated the flooding. Falling temperatures late Monday afternoon and night caused the slush and ponded water on roads to re-freeze, which created very hazardous travel conditions, mainly on secondary and rural gravel roads.

ILLINOIS, South

ILZ075>078-080>094 Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac

01	0001CST				0	0			Extreme Cold
04	1200CST								

The prolonged arctic freeze that began during the second week of December finally ended by January 4. During the first few days of the new year, temperatures averaged 15 to 25 degrees below normal. Overnight lows were around zero. As a result, ice continued to be a problem on the Mississippi River. The combination of ice and low river levels made navigation for barges very hazardous. About 10 miles north of Cape Girardeau, MO, 15 barges loaded with coal went aground.

ILZ075>078-080>094 Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac

26	0600CST				0	0			Freezing Rain
	1000CST								

Light freezing rain overspread southern Illinois just before the early morning commute time. The precipitation, which amounted to less than a tenth of an inch, lasted a few hours. Along and north of Interstate 64, there was more sleet than ice. Vehicle wrecks were most numerous from the Marion and Carbondale area north. State police reported several jack-knifed semis on Interstate 57, mainly from Marion to Benton.

ILLINOIS, Southwest

ILZ058>060-064>065-069>070-074-098>102 Greene - Macoupin - Montgomery - Bond - Fayette - Clinton - Marion - Washington - Calhoun - Jersey - Madison - St. Clair - Monroe

26	0100CST				0	0			Winter Storm
	0900CST								

Light rain began falling during the early morning hours of January 26 resulting in a thin coating of ice on area roads by the morning drive time. Most schools across the area were closed and numerous traffic accidents were reported. By mid-morning temperatures had risen above freezing and the ice was gone.

INDIANA, Central

INZ045-053 Putnam - Owen

30	1900EST				0	0			Flood
31	1200EST								

Heavy rain toward the end of the month caused minor flooding of agricultural bottomland along Mill Creek near Cataract. The creek crested at 10.6 feet on the 31st 0.6 feet above flood stage.

INZ029 Tippecanoe

31	0600EST				0	0			Flood
	2359EST								

Heavy rain and snowmelt toward the end of January caused minor flooding along the Wabash River. Lafayette reached 11.5 feet late on the 31st which is a half a foot above flood stage. Only agricultural bottomland was effected.

INDIANA, Northeast

NONE REPORTED.

INDIANA, Northwest

NONE REPORTED.

INDIANA, South Central

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

January 2001

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

INDIANA, Southeast

NONE REPORTED.

INDIANA, Southwest

INZ081>082-085>088 Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer

01	0001CST				0	0			Extreme Cold
04	1200CST								

The prolonged arctic freeze that began during the second week of December finally ended by January 4. During the first few days of the new year, temperatures averaged 15 to 25 degrees below normal. Overnight lows were around zero.

INZ081>082-085>088 Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer

12	0400CST				0	0			Snow
	0800CST								

During the early morning hours, a general 1 to 3 inch snowfall blanketed southwest Indiana. The snow was the result of a strong upper level low that tracked southeast from the central Plains across the Lower Ohio Valley. The official total at Evansville was 2.3 inches. The snow fell in just a couple of hours, right before the start of the morning commute. There were a number of traffic accidents.

INZ081>082-085>088 Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer

26	0800CST				0	0			Freezing Rain
	1200CST								

Sleet and freezing rain overspread southwest Indiana during the morning commute time. The precipitation, which amounted to less than a tenth of an inch, lasted a few hours. A number of vehicle wrecks were reported.

IOWA, Central

IAZ004

Emmet

18	1800CST				1	0			Extreme Cold
19	0900CST								

A strong cold front moved through the state ushering in the coldest air that Iowa had seen in a few weeks. Temperatures fell into the single digits above and below zero with a northwest wind of up to 30 MPH at times. Wind chill indices were in the -30 to -40 F. range. A woman died of exposure in Emmet County on the evening of the 18th. Her car stalled and she was walking for help. Hypothermia set in and she was found the next day tangled in a barbed wire fence. F710U

IAZ004>005-015-023>024-033>034-044>045 Emmet - Kossuth - Palo Alto - Pocahontas - Humboldt - Sac - Calhoun - Crawford - Carroll

29	0500CST				0	0	225K		Ice Storm
	1900CST								

A strong low pressure system formed over the southwest U.S. and moved northeast into Iowa. Though there was not a great deal of cold air in the environment, there was a shallow layer of sub-freezing air over Iowa. Initially, temperatures were cool enough for the precipitation to fall as light snow. Most of the state received from one to five inches of snow during the afternoon and evening of the 28th. During the night, warm air moved in aloft. As the next round of precipitation began, it fell in the form of freezing rain. All of Iowa received significant ice from this. Ice accretion rates were between 5 and 10 hundredths of an inch per hour. The shallow cold air eroded over the southeast and central sections of the state by late morning, changing the freezing rain to rain. This limited the accumulation of ice to under one quarter of an inch. Over far north central into west central Iowa, temperatures at the surface failed to warm above freezing. Freezing rain continued through the afternoon with several areas reporting one quarter to one half inch of ice accumulation on trees and power lines. Damage was minor as there was little wind with this event. Spotty power outages were reported and some tree limbs were downed. Nearly all schools in the state and many businesses closed their doors in anticipation of the storm. Travel was difficult through the morning and early afternoon hours. There was some improvement with the daylight and treatment of the roads. Freezing rain changed to snow during the evening hours, however accumulation of snow as generally under 3 inches.

IOWA, East Central and Southeast

IAZ040>042-

051>054-063>068-078 Buchanan - Delaware - Dubuque - Benton - Linn - Jones - Jackson - Iowa - Johnson - Cedar - Clinton -

01	0000CST				0	0			Snow
	0400CST								

A slow-moving upper-level disturbance moved through Iowa during the late evening hours of 12/31/00 through the early morning of January 1st. The system brought light to moderate snow to east central and northeast Iowa, and far northwest Illinois. Snowfall amounts of one to three inches were common, before the snow tapered to flurries before sunrise. The system tracked east into the Ohio Valley through the day.

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

13	1900CST				0	0			Snow/Freezing Rain
14	1000CST								

A storm system moved out of the central Plains into northern Missouri late on 1/13 into early 1/14. Surface temperatures near or a few degrees above freezing, combined with a warmer layer aloft, produced conditions ideal for a mix of rain, freezing rain, sleet and

Storm Data and Unusual Weather Phenomena

January 2001

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

IOWA, East Central and Southeast

across the area. The precipitation spread from eastern Iowa into western Illinois during the evening hours of 1/13. Ice accumulations up to 1/8 inch created slick driving conditions. Several accidents were reported during the overnight hours in northeast Iowa and far northwest Illinois. Snowfall accumulations were mainly limited to areas north of Interstate 80, where amounts ranging from a few tenths up to 1 1/2 inches were reported. Occasional light snow tapered to flurries across parts of east central and northeast Iowa, and far northwest Illinois, during the morning of 1/14. Flurries and light drizzle lingered through the afternoon hours, as the storm tracked into northwest Illinois.

**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

26	0200CST								
27	0400CST				0	0			Snow/Blowing Snow

An upper-level low tracked from northern Missouri during the early morning of 1/26, into central Illinois by evening. Light snow began in far northeast Missouri and east central Iowa around 2 am, then spread eastward into western Illinois around sunrise. The snow tapered to flurries during the early evening. Snowfall accumulations ranging from two to four inches were common along and south of the U.S. Highway 34 corridor, with lesser amounts of one to two inches to the north. Henderson County Illinois received amounts up to five inches. As the system continued progressing to the east, a northwest wind increased during the late afternoon and evening, with gusts up to 30 miles an hour. The strong wind produced considerable blowing and drifting snow, which created low visibilities in open and rural areas, and partially blocked roads. Law enforcement officials reported at least eight deaths across eastern Iowa in weather-related traffic accidents Friday night and early Saturday morning. Five of those fatalities occurred Friday evening in a two-vehicle accident in Washington County Iowa. An Iowa State Trooper attributed the numerous accidents to rapidly changing road conditions and motorists traveling too fast for conditions. Law enforcement also handled numerous minor accidents and vehicles in ditches during the period. Many area schools were closed Friday, or dismissed early. Hazardous driving conditions continued into the early morning hours of 1/27, before the winds relaxed.

**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

28	1000CST								
29	1500CST				0	0			Ice Storm

A strong storm system moved northeast out of Texas on Sunday, January 28th, into Missouri on Monday the 29th, and then into central Iowa Monday evening. The low pulled abundant warm, moist air northward, which overrode colder air in place near the surface. The biggest impact from the storm was the significant ice accumulations, and ice storm warnings were in effect for the area from Sunday afternoon through early Monday afternoon. Snow and locally heavy rains with the storm also contributed to the hazardous road conditions and some flooding of urban streets and rural roads. The precipitation began as snow and sleet, starting in far northeast Missouri, west central Illinois, and far southeast Iowa by mid-morning Sunday. The snow and sleet then spread north through the afternoon, with periods of moderate to heavy snow and accumulations around one to three inches over areas north of U.S. Highway 34. The precipitation then changed over to freezing rain from south to north across the area from Sunday afternoon through evening. Freezing rain continued south of Highway 34 through 8 am on Monday, and through early Monday afternoon along and north of Interstate 80. Ice accumulations of 1/4 to 1/2 inch were common across much of eastern Iowa, far northeast Missouri, and western Illinois, with amounts as high as one inch in Van Buren County Iowa and Hancock County Illinois. Area law enforcement officials were kept very busy handling numerous accidents, beginning Sunday afternoon and continuing through Monday night. Late Sunday afternoon, two people were killed and an Iowa State Trooper was seriously injured when a semi-trailer truck swerved off Interstate 80 in Cedar County Iowa and struck a squad car and another vehicle. Around the same time in Davenport, Iowa, two motorists escaped with only minor injuries when their vehicle swerved over a ten foot wall. Another accident in Moline, Illinois, earlier in the day caused a brief power outage for more than 800 Quad City residents. A Freeport, Illinois hospital handled six slip-and-fall injuries on Monday. Law enforcement also reported trees and power lines down due to the ice accumulation in Johnson County in Iowa, and Stephenson, Carroll, Hancock, and McDonough Counties in Illinois. After the precipitation changed over to rain Monday morning and afternoon, locally heavy amounts of one to two inches fell across much of the area, before the rain tapered off from south to north by Monday night. Law enforcement reported street flooding in Davenport and Burlington Iowa, and flooding of rural roads in Hancock County Illinois. Above-freezing temperatures also produced some snowmelt during the day Monday, which further aggravated the flooding. Falling temperatures late Monday afternoon and night caused the slush and ponded water on roads to re-freeze, which created very hazardous travel conditions, mainly on secondary and rural gravel roads.

IOWA, Northeast IAZ010

	Winneshiek								
29	1200CST 2130CST				0	0			Ice Storm

Freezing rain produced ice accumulations of 1/4 to 1/2 inch, which caused slippery conditions for motorists and pedestrians. In spite of the ice, only a few automobile accidents were reported, none of which were serious.

Storm Data and Unusual Weather Phenomena

January 2001

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

KANSAS, North Central

KSZ005>007

Phillips - Smith - Jewell

29 1000CST

30 1600CST

0 0 0 0 **Winter Storm**

The final part of a large winter storm moved across north-central Kansas on January 29th and 30th. While the heaviest snow fell to the north in Nebraska, another round of 3 to 5 inches of snow blanketed north-central Kansas. Teamed with the snow which fell just 2 days prior, snow depths of 6 to 9 inches were common across the region. The total snow depth in Ionia and Burr Oak was listed at 9 inches on January 30th. Mankato had 8 inches of snow on the ground and Smith Center, 6 inches.

KANSAS, Northeast

KSZ025-057-060-102>105

Atchison - Miami - Linn - Doniphan - Leavenworth - Wyandotte - Johnson

28 0200CST

1600CST

0 0 **Winter Storm**

A storm system moved across northeast Kansas on January 28th and 29th, bringing a wintry mix of precipitation. Light snow began early on the 28th, changing quickly to freezing rain. Snow accumulations ranged up to an inch with ice accumulations reaching 1/4 to 1/2 inch. The combination of snow and ice resulted in numerous traffic accidents, and a few school closings on the following Monday.

KANSAS, Northwest

KSZ001>004-013>016-027>029-041>042

Cheyenne - Rawlins - Decatur - Norton - Sherman - Thomas - Sheridan - Graham - Wallace - Logan - Gove - Greeley - Wichita

13 0700CST

2300CST

0 7 **Winter Storm**

A strong winter storm system brought a variety of severe winter weather to all of Northwest Kansas on the morning of January 13th before finally ending in the evening of the same day. Freezing drizzle iced up roads and sidewalks during the morning hours before switching over to all snow by noon. Several accidents occurred across the area with two causing some minor injuries on I-70 in Sherman and Thomas counties. Snowfall amounts varied from 1 to 4 inches south of Highway 40 to 6 to 9 inches along and to the north of I-70.

KSZ041>042

Greeley - Wichita

16 0500MST

2200MST

0 0 **Winter Storm**

A low pressure system moving out of the four corners region into the high plains brought some heavy snow to sections of west central Kansas early on the 16th before ending later that evening. Snowfall amounts varied from 6 to 10 inches by early evening causing hazardous driving conditions for travelers.

KSZ001>004-013>016-027>029-041>042

Cheyenne - Rawlins - Decatur - Norton - Sherman - Thomas - Sheridan - Graham - Wallace - Logan - Gove - Greeley - Wichita

27 1800CST

28 0900CST

0 0 **Winter Storm**

A strong storm system moved out of the southwest and across the central high plains the evening of the 27th before exiting the region on the morning of the 28th. Numerous weekend events were either cancelled or postponed due to the heavy snowfall. Snowfall amounts varied from 4 to 8 inches, with the heaviest snowfall occurring along and to the south of U.S. Highway 24.

KSZ001>002-013>014-027>028-041>042

Cheyenne - Rawlins - Sherman - Thomas - Wallace - Logan - Greeley - Wichita

29 1800CST

30 1800CST

0 0 **Blizzard**

A low pressure system across the lower Missouri River Valley in combination with a high pressure system across the central Rocky Mountains produced high winds and blowing snow late on the 29th into the 30th of January. Although no precipitation fell across the area, Blizzard-like weather conditions prevailed across northwest Kansas mainly west of U.S. Highway 25. Wind gusts between 50 to 60 mph were quite common causing snow from a storm 2 days earlier, to blow and drift. Several roads were closed due to poor visibility and road conditions including Interstate 70 and U.S. highway 27. Numerous schools cancelled classes as well with this storm system.

KANSAS, Southeast

KSZ032>033-047>051-067

Russell - Lincoln - Barton - Ellsworth - Saline - Rice - Mcpherson - Reno

27 2100CST

29 0300CST

0 0 **Heavy Snow**

A large and very potent winter storm lifting northeast from the 4-corners region affected Kansas from the night of the 27th thru the early morning of the 29th. The storm buried much of central Kansas with heavy snow as accumulations ranged from 6 to 14 inches. Hardest hit were Russell, Ellsworth, and Barton counties where 12-14 inches accumulated, closing most highways. Accumulations of 6-8 inches were common across Lincoln, Saline, Rice, McPherson and Reno counties.

Storm Data and Unusual Weather Phenomena

January 2001

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

KANSAS, Southeast

KSZ052-067>070-082>083-091>093 **Marion - Reno - Harvey - Butler - Greenwood - Kingman - Sedgwick - Harper - Sumner - Cowley**

27	2100CST				0	0			Ice Storm
29	0300CST								

The same winter storm that was responsible for burying much of central Kansas with 6-14 inches of snow wreaked havoc across south-central Kansas as well. Widespread sleet and freezing rain, resulting in ice accumulations of 1/2 to 3/4 inch, made travel treacherous across most of the region. Sleet reached depths around 1 inch across Cowley County. The mixture of sleet and freezing rain resulted in spotty power outages. The situation was compounded by a prolonged period of light to moderate snow which accumulated to as much as 2-4 inches.

KANSAS, Southwest

KSZ043>045-061>065-074>079-084>087 **Scott - Lane - Ness - Hamilton - Kearny - Finney - Hodgeman - Pawnee - Stanton - Grant - Haskell - Gray - Ford - Edwards - Morton - Stevens - Seward - Meade**

16	0600CST				0	0			Heavy Snow
17	0100CST								

Snow spread across the CWA, from west to east. The heaviest snowfall occurred south of a Larned to Hugoton line and north of a Meade to Macksville line. Six to 10 inches was common. Eleven inches was recorded near Elkhart, 15 inches in Johnson and 16 inches in Syracuse.

KSZ030>031-043>046-061>066-074>081-084>090 **Trego - Ellis - Scott - Lane - Ness - Rush - Hamilton - Kearny - Finney - Hodgeman - Pawnee - Stafford - Stanton - Grant - Haskell - Gray - Ford - Edwards - Kiowa - Pratt - Morton - Stevens - Seward - Meade - Clark - Comanche - Barber**

27	1200CST				0	0			Heavy Snow
28	0400CST								

Snow began falling around noon in the far southwest corner and spread northeast during the day. The snow continued into the pre-dawn hours on the 28th. More than four inches fell in all areas. A large area of greater than six inches fell south of a line from Syracuse to Dighton to Jetmore to far southeast Ellis county. This area of heavier snow was north of a line from Ashland to St. John. Two pockets of 10 to 14 inches fell from Elkhart to Sublette and from Kinsley to Larned.

KENTUCKY, Central

NONE REPORTED.

KENTUCKY, Eastern

Harlan County

2.5 S Harlan **19 0610EST** **0 0 0 0** **Landslide**
 Rockslide on US Hwy 119 was triggered by heavy rain.

KYZ044-050>052-058>060-068>069-104-106>109-111>112-115-120 **Fleming - Montgomery - Bath - Rowan - Estill - Powell - Menifee - Rockcastle - Jackson - Elliott - Morgan - Johnson - Wolfe - Magoffin - Lee - Breathitt - Perry - Pike**

20	0300EST 1900EST				0	0	0	0	Heavy Snow
----	--------------------	--	--	--	---	---	---	---	------------

Heavy snows fell across a large portion of Eastern Kentucky. In general, the heaviest snows fell along and north of the Mountain Parkway where 3 to 6 inches accumulated. Lighter amounts fell along and south of the Daniel Boone Parkway.

KENTUCKY, Northeast

KYZ101>103-105 **Greenup - Carter - Boyd - Lawrence**

19	1200EST				0	0			Snow
20	2300EST								

After about three quarters of an inch of rain, the precipitation changed to snow during the day on the 19th, then became snow showers on the 20th. The total snow accumulation was 3 to 6 inches over a 30 to 36 hour time interval.

KENTUCKY, Northern

KYZ095>100 **Grant - Pendleton - Bracken - Robertson - Mason - Lewis**

19	1900EST				0	0			Heavy Snow
20	1900EST								

A strong mid level low pressure system moved slowly across the Ohio Valley dropping 2 rounds of snow. Snow fell on the evening of the 19th and then tapered off overnight. Another batch of snow moved in during the morning hours and lasted through the afternoon. Widespread 5 inch accumulations occurred with a few spots receiving 7-8 inches.

Storm Data and Unusual Weather Phenomena

January 2001

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

KENTUCKY, Southwest

KYZ001>022 **Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg - Caldwell - Union - Webster - Hopkins - Christian - Henderson - Daviess - Mclean - Muhlenberg - Todd**

01	0001CST				0	0			Extreme Cold
04	1200CST								

The prolonged arctic freeze that began during the second week of December finally ended by January 4. During the first few days of the new year, temperatures averaged 15 to 25 degrees below normal. Overnight lows were in the single digits. As a result, ice continued to be a problem on the Mississippi River. The combination of ice and low river levels made navigation for barges very hazardous. Ice floes halted the ferry service between Dorena, MO and Hickman, KY until warmer weather arrived.

KYZ018>020 **Henderson - Daviess - Mclean**

12	0300CST				0	0			Snow
	0700CST								

During the early morning hours, a general 1 to 3 inch snowfall blanketed northwest Kentucky, mainly along and northeast of a line from Henderson to Calhoun. Snowfall at Henderson and Calhoun was 2.5 inches. The snow was the result of a strong upper level low that tracked southeast from the central Plains across the Lower Ohio Valley. The snow fell in just a couple of hours, right before the start of the morning commute. There were numerous traffic accidents. Henderson County reported 30 accidents, only five of which were in the city of Henderson. Only one minor injury was reported. School was cancelled in the Owensboro area.

KYZ004>005-007-010-014>015-018>020 **Ballard - Mccracken - Livingston - Crittenden - Union - Webster - Henderson - Daviess - Mclean**

26	0600CST				0	0			Freezing Rain
	1000CST								

Light freezing rain overspread the Ohio River counties of western Kentucky just before the early morning commute time. The precipitation, which amounted to less than a tenth of an inch, lasted a few hours. A number of vehicle wrecks were reported, and school buses were pulled off the roads in Union County.

LOUISIANA, Northeast

Tensas Parish
St Joseph

29	0925CST				0	0	8K		Thunderstorm Wind
----	---------	--	--	--	---	---	----	--	--------------------------

The roof was blown off of an outbuilding.

LOUISIANA, Northwest

NONE REPORTED.

LOUISIANA, Southeast

Tangipahoa Parish

Ponchatoula 19 0445CST 0 0 70K **Thunderstorm Wind**

A house and automobile were destroyed when thunderstorm winds blew down a large tree. A pickup truck was also damaged.

St. Tammany Parish

Madisonville 19 0505CST 0 0 30K **Thunderstorm Wind**

Thunderstorm winds blew down a large oak tree which fell on a house damaging the kitchen and living room.

St. Tammany Parish

Abita Spgs to Mandeville 19 0513CST 0 0 1.5K **Thunderstorm Wind**

Several trees were blown down in Abita Springs and Mandeville.

St. Tammany Parish

Sun 19 0520CST 0 0 5K **Thunderstorm Wind**

Thunderstorm winds blew down a large pine tree which fell on the Town Hall causing damage to the roof of the building.

Washington Parish

Bogalusa 19 0530CST 0 0 2K **Thunderstorm Wind**

Several trees and power lines were knocked down.

East Feliciana Parish

Jackson 29 1040CST 0 0 1.5K **Thunderstorm Wind**

Several trees were blown down in the eastern areas of Jackson.

East Baton Rouge Parish

Port Hudson 29 1040CST 0 0 2K **Thunderstorm Wind**

Thunderstorm winds blew down trees and power lines.

Iberville Parish

Grosse Tete 29 1043CST 0 0 1.5K **Thunderstorm Wind**

Several trees were blown down along Highway 77.

Storm Data and Unusual Weather Phenomena

January 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>LOUISIANA, Southeast</u>									
East Baton Rouge Parish									
Zachary	29	1045CST			0	0	2K		Thunderstorm Wind
									Thunderstorm winds blew down trees and power lines.
East Baton Rouge Parish									
Pride	29	1055CST			0	0	2K		Thunderstorm Wind
									Thunderstorm winds blew down trees and power lines.
East Baton Rouge Parish									
3 SW Greenwell Spgs	29	1055CST			0	0	2K		Thunderstorm Wind
									Trees and power lines were blown down by thunderstorm winds.
St. Helena Parish									
3 N Greensburg	29	1110CST			0	0	1.5K		Thunderstorm Wind
									Several trees were blown down along Highway 43.
Iberville Parish									
White Castle	29	1131CST			0	0	18K		Thunderstorm Wind
									Thunderstorm winds destroyed a mobile home and blew down a carport, pool house, and gazebo.
Tangipahoa Parish									
Amite	29	1155CST	0.2	25	0	0	18K		Tornado (F0)
									A weak tornado briefly touched down causing damage to the wall of a movie theater and the canopy of a gas station, blowing down trees, and knocking windows out of automobiles in the parking lot of a shopping center.
St. James Parish									
Convent	29	1201CST			0	0	2K		Thunderstorm Wind
									Signs and power lines were blown down.
Washington Parish									
Mt Hermon	29	1205CST			0	0	1K		Thunderstorm Wind
									Thunderstorm wind gusts downed several trees.
Tangipahoa Parish									
8 E Ponchatoula	29	1210CST			0	0	8K		Thunderstorm Wind
									Thunderstorm winds caused damage to a mobile home in Bedico when it was knocked off of its foundation and a tree was blown down on it.
Tangipahoa Parish									
Ponchatoula	29	1225CST			0	0	6K		Thunderstorm Wind
									A few mobile homes and houses were damaged by thunderstorm winds.
St. Tammany Parish									
2 N Covington	29	1300CST 1310CST			0	0	25K		Thunderstorm Wind
									Thunderstorm winds blew down 30 to 40 trees, knocked down a couple of utility poles, and took the roof off of a greenhouse north of Covington. One of the trees was blown down onto the cab of a pickup truck while others caused damage to three houses.
Terrebonne Parish									
Houma	29	1300CST			0	0	12K		Thunderstorm Wind
									Thunderstorm winds blew down a large tree which damaged a mobile home and automobile.
St. Tammany Parish									
Lacombe	29	1320CST			0	0	1K		Thunderstorm Wind
									A few trees were blown down.
<u>LOUISIANA, Southwest</u>									
LAZ027>028									
Vernon - Rapides									
	01	0000CST 0600CST			0	4	55K		Winter Storm
									The first snow seen in five years resulted in one inch of snow across central Louisiana, from Leesville to Alexandria. Four people were injured in Alexandria when the vehicle they were driving flipped over after hitting a patch of ice. Several other traffic accidents also occurred in the area.
Allen Parish									
Grant	29	0645CST			0	0	5K		Thunderstorm Wind
									Local TV station reports trees blown down during severe thunderstorm.
Beauregard Parish									
De Ridder	29	0650CST			0	0	5K		Thunderstorm Wind
Vernon Parish									
Leesville	29	0650CST			0	0	50K		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

January 2001

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

LOUISIANA, Southwest

Severe thunderstorm winds blew down trees scattered around Vernon and Beauregard Parishes. Some of the worst damage occurred at Anacoco Lake, where a mobile home and truck were destroyed in the high winds.

Calcasieu Parish

De Quincy	29	0725CST			0	0	5K		Thunderstorm Wind
------------------	----	---------	--	--	---	---	----	--	--------------------------

Tree blown down on east side of town, as reported by off duty NWS employee.

Rapides Parish

Boyce	29	0730CST			0	0	25K		Thunderstorm Wind
--------------	----	---------	--	--	---	---	-----	--	--------------------------

Many trees blown down, including one that fell across a trailer. The woman inside barely escaped, as the large pine tree crashed through the ceiling, landing within two inches of her.

Vernon Parish

Leesville	29	0734CST			0	0	5K		Thunderstorm Wind
------------------	----	---------	--	--	---	---	----	--	--------------------------

Trees blown down on power pole, as reported by utility company.

Beauregard Parish

Singer	29	0735CST			0	0	5K		Thunderstorm Wind
---------------	----	---------	--	--	---	---	----	--	--------------------------

Several power poles blown down during a severe thunderstorm.

Allen Parish

Oberlin	29	0810CST			0	0	2K		Thunderstorm Wind
----------------	----	---------	--	--	---	---	----	--	--------------------------

Several trees on power lines across town.

Jefferson Davis Parish

Countywide	29	0830CST			0	0	5K		Thunderstorm Wind
-------------------	----	---------	--	--	---	---	----	--	--------------------------

Several trees blown down on parish roads across the area.

Avoyelles Parish

Marksville	29	0900CST			0	0	25K		Thunderstorm Wind
-------------------	----	---------	--	--	---	---	-----	--	--------------------------

Several trees and power lines were blown down near a casino golf course. A few shingles were blown off neighboring buildings, and the golf clubhouse was slightly damaged from flying debris.

Vermilion Parish

Kaplan	29	0930CST			0	0	50K		Thunderstorm Wind
---------------	----	---------	--	--	---	---	-----	--	--------------------------

One mobile home was destroyed and another four damaged during a severe thunderstorm.

Lafayette Parish

Lafayette	29	0945CST			0	0	150K		Thunderstorm Wind
------------------	----	---------	--	--	---	---	------	--	--------------------------

Downburst winds associated with a severe thunderstorm damaged several homes and businesses in downtown Lafayette. Windows were blow out of a middle school in nearby Scott. Some of the trees that fell in the city landed on vehicles and businesses. Two people escaped injury when the mobile home they were in flipped over, smashing it into two others.

St. Martin Parish

Breaux Bridge	29	1030CST			0	0	2K		Thunderstorm Wind
----------------------	----	---------	--	--	---	---	----	--	--------------------------

Trees blown down on Poydras Road during a severe thunderstorm.

Iberia Parish

Jefferson Is	29	1035CST			0	0	10K		Thunderstorm Wind
---------------------	----	---------	--	--	---	---	-----	--	--------------------------

Trees were blown down from Avery Island to Jefferson Island in Iberia Parish.

MAINE, North

MEZ016>017-029>030

Interior Hancock - Interior Washington - Coastal Hancock - Coastal Washington

06	0200EST	2200EST			0	0			Winter Storm
----	---------	---------	--	--	---	---	--	--	---------------------

Low pressure developing along the southern New England coast during the early morning hours of the 6th...lifted through the Gulf of Maine that afternoon and evening. The storm generally produced 6 to 12 inches of snow across extreme Downeast Maine...although isolated totals of 18 to 24 inches were reported.

MEZ015

Southern Penobscot

25	0730EST	0800EST			0	24			Fog
----	---------	---------	--	--	---	----	--	--	------------

A patch of locally dense fog and stretch of icy road contributed to a multi-car accident southwest of Bangor on I-95. Approximately 50 vehicles were involved in the accident...along with 20 to 25 injuries. Only one of the injuries was considered serious.

MEZ004>006-010

Northern Piscataquis - Northern Penobscot - Southeast Aroostook - Southern Piscataquis

30	1400EST				0	0			Winter Storm
31	0600EST								

Low pressure tracking eastward across the Great Lakes transferred energy to a secondary low which developed and intensified along the Maine coast during the 30th. The low then tracked to the maritime provinces during the early morning hours of the 31st. The storm produced 6 to 8 inches of snow across portions of northern and the mountains of central Maine.

Storm Data and Unusual Weather Phenomena

January 2001

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

MAINE, South

MEZ012-018>020-023>024 **Southern Oxford - Interior York - Interior Cumberland - Androscoggin - Coastal York - Coastal Cumberland**

05	2100EST				0	0			Moderate Snowfall
06	1400EST								

A large area of low pressure moving eastward from the Great Lakes and a developing low off the southern New England coast brought a moderate snowfall to the southwestern part of the state. Most of York, Cumberland, Androscoggin, and southern Oxford Counties received from 3 to 6 inches of snow. Farther east, warmer air from the Atlantic changed the snow to sleet, freezing rain, and rain over the mid-coast region.

MEZ007>009-012>014 **Northern Oxford - Northern Franklin - Central Somerset - Southern Oxford - Southern Franklin - Southern Somerset**

15	0500EST				0	0			Moderate Snowfall
16	1600EST								

Low pressure developed off the Mid-Atlantic Coast on Monday, the 15th, as a second low over the Great Lakes weakened. The coastal low moved slowly northeastward along the coast to just south of Nova Scotia by the morning of the 16th. Light snow spread across western Maine early on the morning of the 15th and continued into the afternoon of the 16th. Moderate snowfall amounts were reported in the mountains and foothills where 3 to 7 inches of snow fell; south of the foothills, 1 to 2 inches of snow fell.

MEZ007 **Northern Oxford**

30	1000EST				0	0			Moderate Snowfall
31	0300EST								

MEZ008>009 **Northern Franklin - Central Somerset**

30	1000EST				0	0			Heavy Snow
31	0300EST								

MEZ012>014-018>020-020>028 **Southern Oxford - Southern Franklin - Southern Somerset - Interior York - Interior Cumberland - Androscoggin - Kennebec - Interior Waldo - Coastal York - Coastal Cumberland - Sagadahoc - Lincoln - Knox - Coastal Waldo**

30	1000EST				0	0			Mixed Precipitation
31	0300EST								

The circulation around a large area of low pressure developing over the upper Mississippi valley brought a mixture of precipitation to the state. In the mountains where the precipitation was mostly in the form of snow, 4 to 7 inches of snow accumulated. South of the mountains, several inches of snow accumulated in the foothills before the precipitation changed to sleet and freezing rain. Along the coast and inland from the coast, freezing rain glazed roads and trees with about 1/4 inch of ice, causing numerous accidents. Along the immediate coast, the precipitation eventually changed to rain before ending as temperatures warmed above freezing.

MEZ007>009-012>014-018>028 **Northern Oxford - Northern Franklin - Central Somerset - Southern Oxford - Southern Franklin - Southern Somerset - Interior York - Interior Cumberland - Androscoggin - Kennebec - Interior Waldo - Coastal York - Coastal Cumberland - Sagadahoc - Lincoln - Knox - Coastal Waldo**

31	1200EST				0	0			Moderate Snowfall
	2359EST								

Low pressure moving east from the Great Lakes brought a moderate snowfall to the state. The snow fell only a day after a mix of snow, sleet, and freezing rain caused numerous accidents and treacherous conditions. In general, snowfall amounts ranged from 2 to 5 inches across the region, with isolated amounts of up to 6 inches.

MARYLAND, Central

MDZ002>007-009>011-013>014 **Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel**

05	0400EST				0	0			Winter Weather
	1600EST								

Two bands of light snow moved across the region during the morning and early afternoon of the 5th. By 4 PM, 1 to 3 inches of snow had accumulated across western and central Maryland. Frederick County had locally higher snowfall accumulations between 4 and 6 inches. Several minor traffic accidents were reported after snow stuck to roads.

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

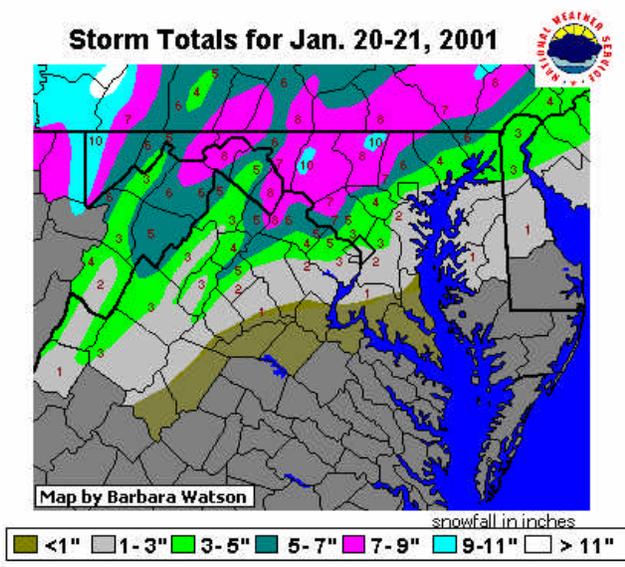
20	1200EST				0	0			Winter Storm
21	1200EST								

Storm Data and Unusual Weather Phenomena

January 2001

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

MARYLAND, Central



Regional Storm Total Snowfall Map from January 20th and 21st, 2001

MDZ013>014

Prince Georges - Anne Arundel
 20 1200EST 0 0 Winter Weather
 21 1200EST

A complex low pressure system moved across the Mid-Atlantic region on the 20th and 21st and brought a mixed bag of precipitation. Across southern Maryland, the precipitation fell mainly as rain but mixed with freezing rain, sleet, and light snow early on the 21st. Little if any accumulation was reported. Elsewhere across Maryland west of the Chesapeake Bay, rain fell through the afternoon of the 20th but changed over to sleet and snow from west to east during the evening hours. Snowfall continued overnight and ended between 4 AM and noon on the 21st. Snowfall accumulations between 4 and 8 inches were reported in counties that border Pennsylvania, with isolated reports of 10 inches in northern Frederick and Carroll counties. Montgomery and Howard counties reported 3 to 6 inches. From Prince Georges and Anne Arundel counties southward, between a trace and 2 inches of sleet and snow accumulated.

Thundersnow was reported by weather observers in Chevy Chase in Montgomery County and Pasadena in Anne Arundel County. A snow accumulation rate of nearly two inches in one hour was reported in northern Carroll County. The snow and sleet caused area roads to become slippery and several traffic accidents were reported. Gusty northwest winds blew through the region during the afternoon of the 21st which caused wind chills to dip to near zero and blew some snow back onto freshly plowed roads. Wind gusts included 43 MPH at Baltimore/Washington International Airport, 44 MPH at the Hagerstown Airport, 45 MPH at Washington National Airport, and 50 MPH at Tall Timbers in St. Mary's County.

MDZ002>007-009>011-013>014

Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel
 27 0400EST 0 0 Strong Wind
 2000EST

A strong cold front moved across the region during the morning of the 27th. The front ushered in gusty northwest winds which remained over the region through the evening. Recorded wind gusts included 40 MPH at Martin State Airport near Baltimore, 43 MPH at Hagerstown and at Baltimore/Washington International Airport, 45 MPH at Washington Reagan National Airport, 48 MPH at Andrews Air Force Base in Prince George's County, and 49 MPH at Millers in Carroll County.

MARYLAND, Northeast

MDZ008-012-015-019>020 **Cecil - Kent - Queen Annes - Talbot - Caroline**
 05 1000EST 0 0 Snow
 1700EST

Two bands of light snow, one with a low pressure system's warm front and the second with its cold front moved through the Maryland Eastern Shore during the second half of the morning and the afternoon of the 5th. Accumulations were around an inch. High temperatures were generally below freezing. The light snow caused slippery travel conditions on untreated roadways. Several school districts dismissed children early.

MDZ008

Cecil
 20 2100EST 0 0 Winter Storm
 21 0700EST

Storm Data and Unusual Weather Phenomena

January 2001

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

MARYLAND, Northeast

MDZ012-015-019>020 Kent - Queen Annes - Talbot - Caroline

	20	2300EST			0	0			Wintry Mix
	21	0700EST							

A vigorous upper air disturbance coupled with a low pressure system that was intensifying east of the New Jersey coast produced heavy snow across Cecil County and a wintry mix of sleet and snow across the rest of the Eastern Shore. Precipitation started as rain across the Eastern Shore during the early evening, but quickly changed to sleet and snow across northwestern areas of Cecil County. Farther to the south, where the air mass was warmer, the change to sleet and then snow took longer. It took until about midnight for the changeover to occur across Talbot and Caroline Counties. The heaviest precipitation, thus the largest accumulation of sleet and snow, occurred across Cecil County. Accumulations ranged between 1 and 6 inches across the Eastern Shore. The snow ended shortly after daybreak on the 21st.

Because this event occurred on a Saturday night (the 20th) and a Sunday morning (the 21st), the number of traffic accidents was relatively lower. Specific accumulations included 6 inches in Perryville (Cecil County), 2.6 inches in Stevensville (Queen Anne's County) and 1 inch in Easton (Talbot County).

MARYLAND, South

NONE REPORTED.

MARYLAND, West

MDZ001 Garrett

	19	0600EST			0	0			Winter Storm
		1200EST							

An area of low pressure moving up the Appalachians spread a mix of sleet, freezing rain and snow across western Maryland. Freezing rain turned out to be the main problem from this storm, as several locations across Garrett County reported ice accumulations of around ¼ inch by the early morning hours of the 19th.

MDZ001 Garrett

	20	2000EST			0	0			Heavy Snow
	21	0200EST							

An upper-level disturbance passing over east-central Kentucky deepened rapidly during the late afternoon hours of the 20th, producing a several-hour period of heavy snow over extreme western Maryland. Snowfall totals across most of the county were generally in the 6 to 7 inch range.

MDZ001 Garrett

	27	1300EST			0	0			Winter Storm
		1600EST							

A winter storm moving across the area brought between 4 and 6 inches of snow to western Maryland. The higher accumulation totals were found over the ridgetops of Garrett County. Winds gusting to around 50 MPH compounded the problem, making travel difficult across the area.

MASSACHUSETTS, Central and East

MAZ005>007-009-011>022 Western Middlesex - Western Essex - Eastern Essex - Western Hampden - Eastern Hampden - Southern Worcester - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable

	20	2100EST			0	0			Heavy Snow
	21	1200EST							

Heavy snow fell over much of central and eastern Massachusetts. The highest snowfall totals were in Norfolk, Bristol, and Plymouth Counties where many reports of 10 inch storm totals were received. Since the snowstorm occurred over the weekend there was little significant impact on travel, though Logan International Airport in Boston closed for 40 minutes for snow removal. In Dartmouth, the 70-foot high Dartmouth Sports Dome collapsed under the weight of the heavy, wet snow. No one was inside the complex at the time and there were no injuries.

Some snowfall totals from the storm include 11 inches in Mansfield and South Easton; 10 inches in Stoughton, South Weymouth, Plymouth, and at the National Weather Service in Taunton; 8 to 9 inches in Fairhaven, New Bedford, Walpole, Marshfield, Middleboro and Bridgewater; and 6 to 7 inches in Franklin, Cohasset, Pembroke, Worcester, Westboro, Hopkinton, Waltham, Manchester, Winthrop, Bourne, and Sandwich. Official storm totals were 6.5 inches at Worcester Regional Airport and 6 inches at Logan International Airport in Boston.

MAZ002>006-008>012 Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Essex - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden - Southern Worcester

	30	0700EST			0	0			Freezing Rain
		1400EST							

Freezing rain resulted in dozens of minor accidents throughout central and western Massachusetts.

MASSACHUSETTS, West

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

January 2001

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

MICHIGAN, East

MIZ068

Livingston

05 1155EST

0 3 75K Snow

A strong low pressure system moved across southern Canada, north of Michigan, on the night of the 4th. The system brought light snow to the area, with most places picking up 2 inches or less of new snow. Lapeer, Macomb, and St Clair Counties were the exception, with 2 to 4 inches of snow. The Thumb area, along with Monroe County, saw enough blowing and drifting snow to cancel schools in many districts on the 5th. Also on the 5th, the weight of the additional snow (combined with all the snow that fell in December) collapsed an awning-style roof along the edge of a metals warehouse in Brighton. Three men were buried under the debris. One suffered a broken leg, another a broken ankle, and the third had relatively minor head injuries. Later in the day, a man in Waterford died when he fell from his roof while trying to shovel snow.

MIZ049

Huron

08 1700EST

0 0 Snow

09 0100EST

A band of lake effect snow from Lake Huron moved barely onshore in extreme northeast Huron County. Port Hope picked up 4 inches of snow, most of which fell between 5 and 8 pm.

MIZ068-075-082>083

Livingston - Washtenaw - Lenawee - Monroe

29 0500EST

0 0 Freezing Rain

1030EST

A strong low pressure system developed over the central plains, pushing warm air north toward the Great Lakes. Freezing rain broke out across far southeast Michigan early in the morning, and accumulated up to two-tenths of an inch. Hundreds of auto accidents occurred, and school closings were widespread across the area. One poor woman in Monroe slid off a road and into a barn. She sustained minor injuries, and was in an ambulance heading for a hospital, when the ambulance lost control on the ice and slid into a utility pole and another vehicle. The woman was not seriously injured in either accident.

Icy roads would be found the very next morning across all of southeast Michigan, as rain that would fall later on the 29th froze that night. Many school districts had to close. In the early morning hours of the 30th near Dexter, a large tanker fire truck rolled over on an icy road. The quarter-million dollar vehicle was destroyed, and the three occupants were sent to the hospital with minor injuries.

MICHIGAN, Extreme Southwest

NONE REPORTED.

MICHIGAN, North

MIZ026

Grand Traverse

08 1600EST

0 0 Heavy Snow

2000EST

A north wind, combined with arctic air, caused snow showers along the Lake Michigan shoreline of northwest Lower Michigan. The heaviest occurred within the city limits of Traverse City as well as along the Old Mission Peninsula on Grand Traverse Bay, where the snowfall began late in the evening on the 7th and persisted through the afternoon on the 8th. By the evening of the 8th, 24-hour snowfall totals ranged from 8 to 9 inches in these locations.

MICHIGAN, Upper

NONE REPORTED.

MICHIGAN, West

NONE REPORTED.

MINNESOTA, Central and South Central

**MNZ041>045-
047>070-073>078-
082>085-091>093**

Douglas - Todd - Morrison - Mille Lacs - Kanabec - Stevens - Pope - Stearns - Benton - Sherburne - Isanti - Chisago - Lac Qui Parle - Swift - Chippewa - Kandiyohi - Meeker - Wright - Hennepin - Anoka - Ramsey - Washington - Yellow Medicine - Renville - Mcleod - Sibley - Carver - Scott - Dakota - Redwood - Brown - Nicollet - Le Sueur - Rice - Goodhue - Watonwan - Blue Earth - Waseca - Steele - Martin - Faribault - Freeborn

29 1900CST

0 0 Winter Storm

30 0700CST

A powerful storm system in western Missouri tracked north into Iowa by late in the evening on the 29th. It then headed east into central Illinois by late afternoon on the 30th. A widespread area of sleet, snow, and or freezing rain occurred across all of southern Minnesota. Ice accumulations generally ranged between a half an inch, to approximately three quarters of an inch across east central, and south central Minnesota. The area was generally east of a line from Harding (Morrison County), to St Cloud, to Paynesville, to Kimball (Stearns County), to Rice Lake (Wright County), to Mankato (blue Earth county), to Truman, to Trimont (Martin county). The area of 4 to 8 inch snowfall extended west of the aforementioned line. The heaviest swath of snow (6 to 8 inches), fell across the northwestern half of Todd, Douglas, the western half of Pope, the western two thirds of Swift and Chippewa counties, the western half of Renville, the western two thirds of Yellow Medicine, and all of Lac Qui Parle county. Damages from the storm included: Multiple broken trees and severed branches that forced the closure of Sakatah State Park in Waterville (Blue Earth county) for several days. Numerous trees in Winsted (Carver county) suffered loss of branches. Portions of New Ulm (Brown county) lost power during the

Storm Data and Unusual Weather Phenomena

January 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>MISSISSIPPI, Central</u>									
Lamar County									
Sumrall	19	0550CST			0	0	1K		Thunderstorm Wind
	A few trees were blown down in a rural area near the Covington County line.								
Forrest County									
Brooklyn to 10 S Hattiesburg	19	0600CST 0615CST			0	0	15K		Thunderstorm Wind
	A Service Station canopy was blown down. Two sheds were severely damaged. A house received minor damage. Numerous trees were blown down and caused minor damage to homes and downed powerlines.								
Jones County									
6 W Soso	19	0600CST			0	0	1K		Thunderstorm Wind
	A few trees were blown down in a rural area.								
Warren County									
3 E Vicksburg	29	1010CST			0	0	2K		Thunderstorm Wind
	Several trees were blown down near the intersection of Interstate 20 and Highway 27.								
Hinds County									
4 SW Raymond	29	1040CST			0	0	2K		Thunderstorm Wind
	A number of large tree limbs were blown down and several limbs were blocking secondary roads.								
Hinds County									
4 W Terry to 1 W Terry	29	1105CST			0	0	10K		Thunderstorm Wind
	Two trees were blown down onto a house and caused damage. A carport sustained significant damage.								
Rankin County									
Brandon	29	1141CST			0	0	4K		Thunderstorm Wind
	Several trees were blown down. A few powerlines were knocked down by fallen trees and limbs. Several road signs were blown down.								
Simpson County									
Countywide	29	1156CST 1300CST			0	0	5K		Thunderstorm Wind
	Many trees and powerlines were blown down; mainly in the western half of the county.								
Lawrence County									
1 W Monticello to New Hebron	29	1157CST 1215CST			0	0	5K		Thunderstorm Wind
	Part of a tin roof was blown off of a barn. Several trees were blown down. One tree was blocking a road.								
Scott County									
Forest	29	1205CST 1215CST			0	0	200K		Thunderstorm Wind
	Numerous buildings in the Forest downtown area sustained significant damage to roofs, awnings, signage, and property, including one building that had a collapsed wall.								
Jefferson Davis County									
Countywide	29	1225CST			0	0	2K		Thunderstorm Wind
	Several trees were blown down in various parts of the county.								
Leake County									
Lena	29	1225CST			0	0	1K		Thunderstorm Wind
	A few trees were blown down.								
Marion County									
Countywide	29	1230CST			0	0	8K		Thunderstorm Wind
	Several trees and powerlines were blown down in several portions of the county.								
Covington County									
Countywide	29	1240CST			0	0	8K		Thunderstorm Wind
	Numerous trees were blown down.								
Lamar County									
Sumrall	29	1245CST			0	0	5K		Thunderstorm Wind
	Minor damage occurred to a church roof.								
Smith County									
Countywide	29	1245CST			0	0	22K		Thunderstorm Wind
	A mobile home had its porch blown off. Three chicken houses sustained roof damage. A number of trees and powerlines were blown down.								
Newton County									
Countywide	29	1250CST			0	0	4K		Thunderstorm Wind
	A number of trees were blown down in several parts of the county.								

Storm Data and Unusual Weather Phenomena

January 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>MISSISSIPPI, Central</u>									
Jasper County									
Countywide	29	1300CST			0	0	3K		Thunderstorm Wind
	Several trees were blown down across the county.								
Neshoba County									
5 S Dixon	29	1300CST			0	0	1K		Thunderstorm Wind
	A few trees were blown down.								
Forrest County									
Hattiesburg to 3 S Hattiesburg	29	1313CST 1340CST			0	0	3K		Thunderstorm Wind
	Several signs and billboards were blown down. A small shed was blown over.								
Clarke County									
Pachuta	29	1325CST			0	0	2K		Thunderstorm Wind
	Several trees were blown down, including one that blocked a lane of interstate 20.								
Jones County									
5 W Ellisville	29	1325CST 1330CST			0	0	4K		Thunderstorm Wind
	Gutters and shingles were damaged on several houses in a rural area. Several powerlines were blown down.								
<u>MISSISSIPPI, North</u>									
Tate County									
Arkabutla	29	0900CST			0	0	10K		Lightning
	A 55-year old red oak tree was struck by lightning and destroyed. A nearby home lost two complete windows and debris was scattered all over the roof and inside the home.								
<u>MISSISSIPPI, South</u>									
Pearl River County									
Countywide	19	0520CST 0540CST			0	0	8K		Thunderstorm Wind
	Numerous trees were blown down across the county. In Picayune a few telephone poles were knocked down and the roof of a building was damaged.								
Pike County									
Summit	29	1135CST			0	0	2K		Thunderstorm Wind
	A house was damaged by thunderstorm winds.								
Pike County									
Osyka	29	1153CST			0	0	40K		Thunderstorm Wind
	Thunderstorm winds blew the roofs off of two businesses, blew the deck off of a trailer, and knocked down several power lines and trees, one of which fell on and damaged a mobile home.								
Pike County									
Progress	29	1153CST			0	0	17K		Thunderstorm Wind
	Thunderstorm winds blew off the roof of a business and knocked down several trees and power lines.								
Pike County									
Summit	29	1203CST			0	0	10K		Thunderstorm Wind
	Several trees were blown down causing damage to automobiles.								
Walthall County									
Sartinsville	29	1210CST			0	0	1K		Thunderstorm Wind
	Several trees were blown down by thunderstorm wind gusts.								
<u>MISSISSIPPI, Southeast</u>									
MSZ067-075>076									
Wayne - Perry - Greene									
01		0300CST 0900CST			0	0			Winter Storm
	A winter storm produced one-half to one inch snowfall accumulations across portions of Southeast Mississippi, generally along and north of a New Augusta to Leakesville line. No injuries or significant impacts to travel were reported.								
Perry County									
Beaumont to Richton	19	0625CST 0630CST			0	0	2K		Thunderstorm Wind (G55)
	Numerous large tree limbs and other vegetative debris was blown down by strong thunderstorm winds along State Highway 15.								
Stone County									
Wiggins	19	0630CST 0635CST			0	0	2K		Thunderstorm Wind (G55)
	Strong thunderstorm winds blew down numerous large tree limbs in and around Wiggins.								

Storm Data and Unusual Weather Phenomena

January 2001

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

George County

Benndale

	19	0640CST 0645CST			0	0			Hail (0.75)
--	----	--------------------	--	--	---	---	--	--	-------------

Thunderstorm produced dime sized hail.

Wayne County

Mulberry

	29	1410CST 1415CST			0	0	5K		Thunderstorm Wind (G55)
--	----	--------------------	--	--	---	---	----	--	-------------------------

Trees were blown down just west of the community as a thunderstorms moved through.

MISSOURI, East

MOZ052-060>061-063>065

Lincoln - Warren - St. Charles - St. Louis - St. Louis (C) - Jefferson

	26	0100CST 0900CST			0	0			Winter Storm
--	----	--------------------	--	--	---	---	--	--	--------------

Light rain began falling during the early morning hours of January 26 resulting in a thin coating of ice on area roads by the morning drive time. Many area schools closed for the day. Numerous traffic accidents were also reported. By mid-morning temperatures had risen above freezing and the ice was gone.

Audrain County

Countywide

	28	2000CST			0	0			Urban/Sml Stream Fld
--	----	---------	--	--	---	---	--	--	----------------------

	29	2000CST							
--	----	---------	--	--	--	--	--	--	--

Boone County

Countywide

	28	2000CST			0	0			Urban/Sml Stream Fld
--	----	---------	--	--	---	---	--	--	----------------------

	29	2000CST							
--	----	---------	--	--	--	--	--	--	--

Rainfall around 2 inches fell over a 24 hour period causing some flooding problems. Some small creeks flooded and many roads in low-lying areas flooded and became impassable. Some school busses had to take alternate routes Monday afternoon to bring students home. Storm drains in some areas became clogged by snow and ice flooding some neighborhood streets.

MISSOURI, Lower

NONE REPORTED.

MISSOURI, Northeast

MOZ009>010

Scotland - Clark

	13	1900CST			0	0			Freezing Rain
--	----	---------	--	--	---	---	--	--	---------------

	14	0400CST							
--	----	---------	--	--	--	--	--	--	--

A storm system moved out of the central Plains into northern Missouri late on 1/13 into early 1/14. Surface temperatures near or a few degrees above freezing, combined with a warmer layer aloft, produced conditions ideal for a mix of rain and freezing rain across far northeast Missouri. The precipitation spread into northeast Missouri during the evening hours of 1/13. Ice accumulations up to 1/8 inch created slick driving conditions overnight. Drizzle lingered through the day on 1/14, as the storm tracked into northwest

MOZ009>010

Scotland - Clark

	26	0200CST			0	0			Snow/Blowing Snow
--	----	---------	--	--	---	---	--	--	-------------------

	27	0400CST							
--	----	---------	--	--	--	--	--	--	--

An upper-level low tracked from northern Missouri during the early morning of 1/26, into central Illinois by evening. Light snow began in far northeast Missouri and east central Iowa around 2 am, then spread eastward into western Illinois around sunrise. The snow tapered to flurries during the early evening. Snowfall accumulations ranging from two to four inches were common along and south of the U.S. Highway 34 corridor, with lesser amounts of one to two inches to the north. Henderson County Illinois received amounts up to five inches. As the system continued progressing to the east, a northwest wind increased during the late afternoon and evening, with gusts up to 30 miles an hour. The strong wind produced considerable blowing and drifting snow, which created low visibilities in open and rural areas, and partially blocked roads. Law enforcement officials reported at least eight deaths across the area in weather-related traffic accidents Friday night and early Saturday morning. A law enforcement official attributed the numerous accidents to rapidly changing road conditions and motorists traveling too fast for conditions. Law enforcement also handled numerous minor accidents and vehicles in ditches during the period. Many area schools were closed Friday, or dismissed early. Hazardous driving conditions continued into the early morning hours of 1/27, before the winds relaxed.

MOZ009>010

Scotland - Clark

	28	1000CST			0	0			Ice Storm
--	----	---------	--	--	---	---	--	--	-----------

	29	1500CST							
--	----	---------	--	--	--	--	--	--	--

A strong storm system moved northeast out of Texas on Sunday, January 28th, into Missouri on Monday the 29th, and then into central Iowa Monday evening. The low pulled abundant warm, moist air northward, which overrode colder air in place near the surface. The biggest impact from the storm was the significant ice accumulations, and ice storm warnings were in effect for the area from Sunday afternoon through early Monday afternoon. Snow and locally heavy rains with the storm also contributed to the hazardous road conditions and some flooding of urban streets and rural roads. The precipitation began as snow and sleet, starting in far northeast Missouri, west central Illinois, and far southeast Iowa by mid-morning Sunday. The snow and sleet then spread north through the afternoon, with periods of moderate to heavy snow and accumulations around one to three inches over areas north of U.S. Highway 34. The precipitation then changed over to freezing rain from south to north across the area from Sunday afternoon through evening. Freezing rain continued south of Highway 34 through 8 am on Monday, and through early Monday afternoon along and

Storm Data and Unusual Weather Phenomena

January 2001

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

MISSOURI, Northeast

evening. Freezing rain continued south of Highway 34 through 8 am on Monday, and through early Monday afternoon along and north of Interstate 80. Ice accumulations of 1/4 to 1/2 inch were common across much of eastern Iowa, far northeast Missouri, and western Illinois, with amounts as high as one inch in Van Buren County Iowa and Hancock County Illinois. Area law enforcement officials were kept very busy handling numerous accidents, beginning Sunday afternoon and continuing through Monday night. Late Sunday afternoon, two people were killed and an Iowa State Trooper was seriously injured when a semi-trailer truck swerved off Interstate 80 in Cedar County Iowa and struck a squad car and another vehicle. Around the same time in Davenport, Iowa, two motorists escaped with only minor injuries when their vehicle swerved over a ten foot wall. Another accident in Moline, Illinois, earlier in the day caused a brief power outage for more than 800 Quad City residents. A Freeport, Illinois hospital handled six slip-and-fall injuries on Monday. Law enforcement also reported trees and power lines down due to the ice accumulation in Johnson County in Iowa, and Stephenson, Carroll, Hancock, and McDonough Counties in Illinois. After the precipitation changed over to rain Monday morning and afternoon, locally heavy amounts of one to two inches fell across much of the area, before the rain tapered off from south to north by Monday night. Law enforcement reported street flooding in Davenport and Burlington Iowa, and flooding of rural roads in Hancock County Illinois. Above-freezing temperatures also produced some snowmelt during the day Monday, which further aggravated the flooding. Falling temperatures late Monday afternoon and night caused the slush and ponded water on roads to re-freeze, which created very hazardous travel conditions, mainly on secondary and rural gravel roads.

MISSOURI, Northwest

MOZ001>008-011>017-020>025-028>033-037>040-043>046-053>054
Atchison - Nodaway - Worth - Gentry - Harrison - Mercer - Putnam - Schuyler - Holt - Andrew - De Kalb - Daviess - Grundy - Sullivan - Adair - Buchanan - Clinton - Caldwell - Livingston - Linn - Macon - Platte - Clay - Ray - Carroll - Chariton - Randolph - Jackson - Lafayette - Saline - Howard - Cass - Johnson - Pettis - Cooper - Bates - Henry

28	0200CST	0	0						Winter Storm
29	1400CST								

A storm system brought a mixed bag of wintry precipitation to northern Missouri on January 28th and 29th. The precipitation started as snow but quickly became freezing rain during the morning hours, mainly south of a line from St. Joseph to Fayette. North of this line snowfall totals averaged 1 to 5 inches. Fairfax Missouri reported 6 inches and 4 to 6 inch amounts were reported around Bethany and Moberly. Ice accumulations ranged from 1/4 to 1/2 inch across the entire area. The combination of snow and ice was sufficient to disrupt travel, especially north of Interstate 70. Numerous traffic accidents were reported and some schools were closed the following Monday.

MOZ040-044-046
Howard - Johnson - Cooper

29	0900CST	0	0						Flood
30	2100CST								

A strong storm system moved across the region from January 28th through January 29th. Heavy rains of from 1 to 3 inches fell across these counties. Minor flooding was reported on the Petite Saline Creek near Boonville, where it crested at 17.0 feet, 1.0 feet above flood stage. The Blackwater River at Valley City crested at 23.0 feet, 1.0 feet above flood stage. The Lamine River at Otterville crested at 15.73 feet, 0.73 of a foot above flood stage. The Moniteu Creek at Fayette crested at 18.80 feet, or 2.8 feet above flood stage.

MISSOURI, Southeast

MOZ076-086>087-100-107>112-114
Perry - Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott - Mississippi - New Madrid

01	0001CST	0	0						Extreme Cold
03	1200CST								

The prolonged arctic freeze that began during the second week of December finally ended by January 4. During the first few days of the new year, temperatures averaged 15 to 25 degrees below normal. Overnight lows were in the single digits. As a result, ice continued to be a problem on the Mississippi River. The combination of ice and low river levels made navigation for barges very hazardous. About 10 miles north of Cape Girardeau, 15 barges loaded with coal went aground. Ice floes halted the ferry service between Dorena, MO and Hickman, KY until warmer weather arrived.

MISSOURI, Southwest

MOZ055>058-066>071-077>083-088>098-101>106
Benton - Morgan - Miller - Maries - Vernon - St. Clair - Hickory - Camden - Pulaski - Phelps - Barton - Cedar - Polk - Dallas - Laclede - Texas - Dent - Jasper - Dade - Greene - Webster - Wright - Newton - Lawrence - Christian - Douglas - Howell - Shannon - McDonald - Barry - Stone - Taney - Ozark - Oregon

01	0000CST	0	0	0	0				Extreme Cold
03	2359CST								

Abnormally cold temperatures continued from December into early January with readings 10 to 20 degrees below normal. Snow and ice covered fields and highways provided problems to drivers, farmers and ranchers. Temperatures managed to rise well above freezing by the end of the first week of January, allowing these problems to lessen.

MOZ055-066>067-077
Benton - Vernon - St. Clair - Barton

28	0400CST 1000CST	0	0	0					Ice Storm
----	--------------------	---	---	---	--	--	--	--	-----------

Periods of freezing rain developed over portions of southwest and west central Missouri during the early morning hours, then spread northeast across central Missouri. Ice accumulated up to one quarter of an inch on area roadways, power lines and trees. Some minor traffic accidents were reported along with a few power outages, especially around Osceola, Lowry City and Mindenmines. No injuries

Storm Data and Unusual Weather Phenomena

January 2001

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									
									were reported.
MONTANA, Central									
MTZ012		Cascade							
		02 1511MST			0	0			High Wind (G58) M
		Cascade 5 SW.							
MTZ010		Eastern Glacier							
		04 0135MST			0	0			High Wind (G66) M
		Cut Bank AWOS.							
MTZ044		Toole							
		04 0215MST			0	0			High Wind (G52)
		Sweetgrass Port-of-Entry.							
MTZ049		Eastern Teton							
		04 0230MST			0	0	30K		High Wind (G101) M
		Choteau airport...damage to large hangar doors at airport...damage to storage sheds and contents at country club just south of airport...Choteau 3 S G58kt at 0400 MST.							
MTZ048		Southern Rocky Mountain Front							
		04 0250MST			0	0	70K		High Wind (G95) M
		Choteau 10 NW...damaging winds at Blackleaf...damage as a result of an overturned tractor trailer (trailer unit only) near Bynum...damage to large crop sprinkler units just north of Choteau...damage to windows and trampoline at residence in Choteau.							
MTZ046		Eastern Pondera							
		04 0300MST			0	0	5K		High Wind (G52)
		Valier...minimum estimate with power lines down...damaging winds at Conrad.							
MTZ009		North Rocky Mountain Front							
		04 0503MST			0	0			High Wind (G78) M
		St Mary...G65kt Browning.							
MTZ047		Blaine							
		04 0826MST			0	0			High Wind (G51) M
		Fort Belknap RAWS.							
MTZ012		Cascade							
		05 0215MST			0	0			High Wind (G55) M
		53kt Malmstrom AFB ASOS 1158 MST.							
MTZ009		North Rocky Mountain Front							
		05 0500MST			0	0			High Wind (G66) M
		St Mary RAWS.							
MTZ010		Eastern Glacier							
		05 1155MST			0	0			High Wind (G60) M
		Cut Bank AWOS.							
MTZ049		Eastern Teton							
		05 1210MST			0	0			High Wind (G57) M
		Choteau airport.							
MTZ044		Toole							
		05 1332MST			0	0			High Wind (G50) M
		Sweetgrass DOT sensor.							
MTZ045		Liberty							
		05 1430MST			0	0			High Wind (G52)
		Whitlash Port-of-Entry.							
MTZ051		Fergus							
		05 1445MST			0	0			High Wind (G52) M
		Grassrange spotter...Moore 3 NE 50kt 0630 MST.							
MTZ047		Blaine							
		05 1457MST			0	0			High Wind (G73) M
		Chinook 11 S spotter...Fort Belknap RAWS 60kt 1345 MST.							
MTZ011		Hill							
		05 1530MST			0	0			High Wind (G68) M
		Havre 2 NE (KJOM Radio).							
MTZ050		Judith Basin							
		05 1658MST			0	0			High Wind (G59) M
		Geyser 6 E...Windham 2 NW 56kt 1457 MST.							

Storm Data and Unusual Weather Phenomena

January 2001

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

MONTANA, Central

MTZ055

Gallatin

20 0000MST

0 0

Heavy Snow

0600MST

6 inches snowfall at Bozeman-MSU and Gallatin Gateway 10 SSW.

MTZ047

Blaine

30 1943MST

0 0

High Wind (G59) ^M

Chinook 11 S.

MONTANA, East

MTZ016-022

Central And Se Phillips - Garfield

05 1125MST

0 0

High Wind (G61) ^M

1525MST

MONTANA, South

NONE REPORTED.

MONTANA, West

MTZ002-004

West Glacier Region - Lower Clark Fork Region

30 0900MST

0 0

Heavy Snow

31 0900MST

Heavy snow fell in the mountains of northwest Montana. In Flathead County, Flattop Mountain received 9 inches, and Noisy Basin received 8 inches of new snow. In Mineral County, Lookout Pass received 7 inches of new snow.

NEBRASKA, Central

**NEZ007>010-
027>029-038**

Boyd - Brown - Rock - Holt - Loup - Garfield - Wheeler - Custer

13 1137CST

0 0

Winter Storm

14 0400CST

A surface low pressure system developed over Central Colorado with the associated frontal boundary extending north along the front range. The storm systems track provided a period of time which southerly winds surged warm...moist gulf air north. The system moved slowly onto the Western High Plains before the main surface low center rapidly deepened over Southeast Colorado, then lifted Northeast across Kansas into Iowa overnight. The initial rainfall changed to freezing rain...then to snow as Northwest winds filtered in colder air behind the system. The wrap around cloud coverage resulted in a prolonged period of snowfall that was heavy at times across North Central Nebraska. A 10 hour lead time was provided when a Snow Advisory was upgraded to a Winter Storm Warning for 7 counties in North Central Nebraska. The mixture of precipitation left roadways slick and hazardous with storm snow totals of 2 to 7 inches. The maximum snow depths of 7 inches occurred 9 miles Northeast of Sargent (Custer county) in the extreme eastern portion of the warned area.

**NEZ005>010-
024>029-036>038-
058>059-069>071**

Cherry - Keya Paha - Boyd - Brown - Rock - Holt - Hooker - Thomas - Blaine - Loup - Garfield - Wheeler - Mcpherson - Logan - Custer - Perkins - Lincoln - Chase - Hayes - Frontier

29 0438CST

0 0

Winter Storm

30 1600CST

A surface low pressure system lifted Northeast across Kansas into Iowa during the period of January 29th through the 30th. The springlike storm deepened rapidly while over Iowa with moisture wrapped well to the West across Western and North Central Nebraska. The prolonged period of moisture return, cold surface temperatures and warmer air aloft produced favorable conditions for an initial period of freezing rain and freezing drizzle prior to the onset of snowfall.

Snowbands developed by mid morning on the 29th and continued into the evening. The bands were aligned to the East of a Valentine...Brownlee and Broken Bow line. The bands produced areas of heavy snowfall with hourly snowfall amounts over an inch per hour in portions of North Central Nebraska. Storm snow totals included a maximum of 15 inches at Taylor (Loup county), 12.5 inches at Lynch and 11 inches at Gross (Butte county), 12 inches at Burwell (Garfield county) and 11 inches 9 miles East Northeast of Elsmere (Brown county). The average snowfall depths were 6 inches prior to Northwest winds increasing the night of the 29th.

The pressure gradient tightened over Central Nebraska as the storm system deepened on the 30th. Northwest winds increased to speeds of 25 to 35 miles per hour by midnight and caused extensive blowing and drifting with roads snow packed. As snow continued to fall overnight the winds further reduced visibilities over the open rangeland to near blizzard conditions. Wind gusts over 50 miles per hour were recorded with a maximum gust of 59 miles per hour at the O'Neill automated weather observing site at 11:50 am. By noontime road closures were announced for some primary and secondary roads in Blaine, Butte, Custer, Holt, Loup and Logan counties for widespread blowing and drifting snow. Snow drifts over 9 feet occurred in Custer county.

NEZ023-035-057

Grant - Arthur - Keith

30 0441CST

0 0

High Wind (G43)

1641CST

Northwest winds increased on the 30th in response to a tightening surface pressure gradient across parts of Western Nebraska. Although the winds were strong the wind speed averaged 40 miles per hour for a brief period of 30 minutes. The maximum gusts sustained was 49 miles per hour at the Ogallala automated weather observing site.

Storm Data and Unusual Weather Phenomena

January 2001

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

NEBRASKA, East

NEZ011-016>017-030 Knox - Antelope - Pierce - Boone

13	1300CST				0	0			Winter Storm
	2100CST								

A heavy wet snow fell over northeast Nebraska from Saturday afternoon 1/13/01 into Saturday evening. The snow was preceded by light rain and sleet...and temperatures were around freezing during much of the snow event. Winds were moderate...so because of the moisture content of the snow and the relative lack of strong winds drifting was not that significant. Heavier snow amounts included...7 inches at Orchard, and 6 inches at Bloomfield, Loretto, Neligh, and Osmond.

NEZ068-090>093 Otoe - Johnson - Nemaha - Pawnee - Richardson

28	0200CST				0	0			Winter Storm
	1400CST								

Snow, locally heavy, and freezing rain moved into extreme southeast Nebraska and southwest Iowa early Sunday morning, 1/28/01, and continued into the afternoon hours. This winter weather event preceded another winter storm which hit most of the rest of eastern Nebraska and western Iowa later Sunday night and Monday. Although southeast Nebraska and far southwest Iowa received some additional snow and freezing rain from that second event, amounts were much less than what locations farther north received. For the Sunday event in extreme southeast Nebraska and southwest Iowa, heavier snow amounts included 6 to 7 inches in the Auburn, Nebraska area, around 6 inches in Clarinda, Iowa and around 4 inches at Falls City.

NEZ034-044>045-050>053-065>066-078-088>090 Burt - Dodge - Washington - Butler - Saunders - Douglas - Sarpy - Seward - Lancaster - Saline - Jefferson - Gage - Johnson

28	2200CST				0	0			Winter Storm
	1900CST								

Although the southern parts of this area received a period of light snow from the storm that hit extreme Southeast Nebraska earlier Sunday, this event didn't begin until late Sunday evening. Freezing rain spread across much of this region Sunday night coating most roads with a sheet of ice by Monday morning which caused many schools to close. The freezing rain changed to snow over much of the region either late Monday morning or early Monday afternoon and continued into Monday evening before ending. More snow developed Monday night, but additional amounts were generally less than an inch or two. Gusty northwest winds late Monday night and much of Tuesday caused considerable blowing and drifting snow, especially in open areas. Although the freezing rain cut down on snow totals from southeast Nebraska into western Iowa, some heavy snow was reported. Heavier snow amounts included, 7.5 inches at Uehling, Nebraska, 6 inches at Little Sioux and Logan, Iowa and Blair, Nebraska, and 4 to 5 inches at Bennington, David City, Fairbury, Fremont, Gretna, Seward, Tekamah, Utica, Virginia, Papillion, Raymond and Omaha, Nebraska and Oakland, Iowa.

NEZ011>012-015>018-030>033-042>043 Knox - Cedar - Thurston - Antelope - Pierce - Wayne - Boone - Madison - Stanton - Cuming - Platte - Colfax

29	0900CST				0	0			Winter Storm
	2300CST								

Heavy snow moved into northeast Nebraska Monday morning 1/29/01 and continued until a little past midnight Tuesday morning. The snow was preceded by a period of freezing drizzle. Although additional snow moved back into northeast Nebraska Tuesday afternoon...most of the accumulations occurred Monday. However, the wind picked up late Monday night and continued through Tuesday afternoon causing considerable blowing and drifting snow. Most schools were closed Tuesday and Wednesday, and the blowing snow closed many country roads at least one lane to many east to west highways in northeast Nebraska. Heavier snow amounts included, 12 to 14 inches at Bloomfield, 11 inches at Laurel, 10 inches at Loretto and Cedar Rapids, 9 inches in West Point, 8 inches at Neligh, Osmond, Madison and Albion and 6 inches at Norfolk. When combined with northwest winds of 30 to 45 mph...drifts of 5 to 7 feet were relatively common by Wednesday morning.

NEBRASKA, Extreme Northeast

NEZ013>014 Dixon - Dakota

29	1000CST				0	0			Winter Storm
	1600CST								

A period of freezing rain was followed by 4 to 8 inches of snow. Winds gusted to around 40 mph, causing blowing and drifting snow, reducing visibilities to a quarter mile or less at times in open areas. Travel became difficult, and some roads were closed to travel. Several schools and businesses closed.

NEBRASKA, Extreme Southwest

NEZ079>081 Dundy - Hitchcock - Red Willow

13	0700MST				0	0			Winter Storm
	2200MST								

A strong winter storm system brought a variety of severe winter weather to far southwest Nebraska on the morning of January 13th before finally ending in the evening of the same day. Freezing drizzle iced up roads and sidewalks during the morning hours before switching over to all snow by noon. Snowfall amounts varied from 1 to 2 inches across Dundy county to 3 to 6 inches across Hitchcock and Red Willow counties.

NEZ079>081 Dundy - Hitchcock - Red Willow

27	1800MST				0	0			Winter Storm
	0900MST								

A strong storm system moved out of the southwest and across the central high plains the evening of the 27th before exiting the region on the morning of the 28th. Numerous weekend events were either cancelled or postponed due to the heavy snowfall. Snowfall

Storm Data and Unusual Weather Phenomena

January 2001

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

NEVADA, South

NVZ013	Northern Nye						
	11	0000PST 0900PST			0	0	Heavy Snow
	24 inches of new snow fell over a 9 hour period in Manhattan, Nevada.						
NVZ019	Spring Mountains						
	11	0100PST 1350PST			0	0	Heavy Snow
	Heavy snow produced 16 to 18 inches of new snow over Lee Canyon in southern Nevada.						
NVZ014	Esmeraldo/Central Nye						
	11	0200PST 1100PST			0	0	Heavy Snow
	Heavy snow fell over much of Esmeralda county overnight. Lida Summit in southern Esmeralda county reported between 9 and 12 inches of new snow.						
NVZ017	Western Clark/Southern Nye						
	26	1200PST 1840PST			0	0	Heavy Snow
	10 inches of snow fell in just over 8 hours on Mt. Charleston in southern Nevada.						
NVZ019	Spring Mountains						
	27	0100PST 1445PST			0	0	Heavy Snow
	Heavy snow was reported just west of Las Vegas on Mountain Springs Summit with 7-8 inches of new snow.						

NEVADA, West

NVZ002	Greater Lake Tahoe Area							
	15	2000PST			0	0	0	Heavy Snow
	16	0800PST						
	Off duty NWS employee reported 5 inches of snow in 12 hours in Cold Springs, elevation 5050 feet.							
NVZ001	Mineral/Southern Lyon							
	26	0800PST			0	0	0	Fog
	Lyon County Sheriff reported denses fog in Yerington with less than 1/16 mile visibility.							

NEW HAMPSHIRE, North and Central

NHZ002-004-006-008>010-013>014	Southern Coos - Northern Carroll - Southern Carroll - Merrimack - Belknap - Strafford - Interior Rockingham - Coastal Rockingham							
	05	1900EST			0	0		Moderate Snowfall
	06	1300EST						
	A large area of low pressure moving eastward from the Great Lakes and a developing low off the southern New England coast brought a moderate snowfall to much of eastern New Hampshire. Most of Merrimack, Belknap, Rockingham, Strafford, Carroll, and southern Coos Counties received from 3 to 6 inches of snow.							
NHZ001>002-004	Northern Coos - Southern Coos - Northern Carroll							
	15	0400EST			0	0		Moderate Snowfall
	16	1500EST						
	Low pressure developed off the Mid-Atlantic Coast on Monday, the 15th, as a second low over the Great Lakes weakened. The coastal low moved slowly northeastward along the coast to just south of Nova Scotia by the morning of the 16th. Light snow spread across New Hampshire early on the morning of the 15th and continued into the afternoon of the 16th. Moderate snowfall amounts were reported in the mountains where 3 to 7 inches of snow fell; south of the foothills, 1 to 2 inches of snow fell.							
NHZ001>002	Northern Coos - Southern Coos							
	19	1100EST 1900EST			0	0		Moderate Snowfall
	Snow showers preceding and accompanying a cold front brought a moderate snowfall to northern Coos where 2 to 5 inches of snow fell.							
NHZ001>002	Northern Coos - Southern Coos							
	30	0900EST			0	0		Moderate Snowfall
	31	0300EST						
NHZ003>010-013>014	Northern Grafton - Northern Carroll - Southern Grafton - Southern Carroll - Sullivan - Merrimack - Belknap - Strafford - Interior Rockingham - Coastal Rockingham							
	30	0900EST			0	0		Mixed Precipitation
	31	0300EST						
	The circulation around a large area of low pressure developing over the upper Mississippi valley brought a mixture of precipitation to the state. In the northern mountains where the precipitation was mostly in the form of snow, 3 to 5 inches of snow accumulated. South of the mountains, freezing rain glazed roads and trees with about 1/4 inch of ice, causing numerous accidents. Along the immediate coast and southern areas, the precipitation eventually changed to rain before ending as temperatures warmed above freezing.							

Storm Data and Unusual Weather Phenomena

January 2001

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

NEW HAMPSHIRE, North and Central

NHZ001>009 **Northern Coos - Southern Coos - Northern Grafton - Northern Carroll - Southern Grafton - Southern Carroll - Sullivan - Merrimack - Belknap**

31	1200EST				0	0			Moderate Snowfall
	2359EST								

Low pressure moving east from the Great Lakes brought a moderate snowfall to the state. The snow fell only a day after a mix of snow, sleet, and freezing rain caused numerous accidents and treacherous conditions. In general, snowfall amounts ranged from 2 to 5 inches across the region, with isolated amounts of up to 8 inches. Near the coast, amounts were lower as the snow was mixed with rain.

NEW HAMPSHIRE, Southern

NHZ011>012 **Cheshire - Hillsborough**

30	0700EST				0	0			Freezing Rain
	1400EST								

Freezing rain resulted in dozens of minor accidents throughout Cheshire and Hillsborough Counties.

NEW JERSEY, Northeast

NJZ002-004 **Western Passaic - Eastern Passaic**

21	0700EST				0	0			Heavy Snow
-----------	----------------	--	--	--	----------	----------	--	--	-------------------

NJZ003-005>006-011 **Bergen - Essex - Hudson - Union**

21	0730EST				0	0			Winter Storm
	0800EST								

A low pressure system developed off the mid Atlantic coast Saturday afternoon and moved northeast, passing east of Long Island early Sunday. With abundant low level moisture and cold air in place, light intermittent precipitation occurred Saturday afternoon. As the low intensified, heavy precipitation developed and moved east across the area.

Heavy snow occurred across Passaic County. Further east and south, precipitation developed as light freezing rain and sleet, which was followed by a heavy snowfall. The ice coating caused a significant impact to travelers and caused delays at local area airports. Following an ice coating of up to 0.10 inches, snowfall amounts generally ranged from 5 to 8 inches. Here are specific snowfall amounts for:

Passaic County: from 6 inches at Greenwood Lake to 7 inches at Charlottesburg.

Bergen County: from 4 inches at Fair Lawn to 6.5 inches at Rutherford. At Teterboro Airport, 5 inches was measured.

Essex County: from 4.2 inches at Newark Airport to 5.2 inches at West Caldwell.

Hudson County: from 4.5 inches at Kearny to 6 inches at Secaucus.

Union County: from 5 inches at Elizabeth to 6 inches at Roselle.

NEW JERSEY, South and Northwest

NJZ001-007>010-012>022-026 **Sussex - Warren - Morris - Hunterdon - Somerset - Middlesex - Western Monmouth - Eastern Monmouth - Mercer - Salem - Gloucester - Camden - Burlington - Western Ocean - Cumberland - Western Atlantic - Eastern Ocean**

05	1200EST				0	0			Snow
	1930EST								

Light snow, associated with a low pressure system's warm and cold front moved through New Jersey during the afternoon and early evening of the 5th. Precipitation in the southern third of the state came in two shots: between noon and 2 p.m. EST and again between 4 p.m. and 7 p.m. EST. Accumulations were mainly between one and three inches. High temperatures were generally below freezing. The light snow caused slippery travel conditions on untreated roadways.

Specific accumulations included 3 inches in Belvidere (Warren County), 2.4 inches in Marcella (Morris County), 2 inches in Cherry Hill (Camden County), 1.9 inches in Wantage (Sussex County), 1.8 inches in Chatham (Morris County), 1.7 inches in Somerville (Somerset County) and Hightstown (Mercer County), 1.5 inches in Willingboro (Burlington County) and Flemington (Hunterdon County), 1.4 inches in New Brunswick (Middlesex County) and West Deptford (Gloucester County), 1.2 inches in Estell Manor (Atlantic County) and 1 inch in Verga (Gloucester County).

NJZ001

Sussex

08	1200EST				0	0			Snow
	09 0100EST								

Light snow spread across far northwest New Jersey during the afternoon and through the evening of the 8th. Precipitation started as light rain in some of the valley locations, but changed to snow by mid afternoon on the 8th. The precipitation intensity was mainly light and coupled with relatively warm temperatures, some of the snow melted as it fell in the valleys and throughout most of northwest New Jersey. Accumulations were generally under an inch, except in Sussex County where they reached close to two inches. Specific accumulations included 1.8 inches in Sussex (Sussex County), 1.5 inches in Wantage (Sussex County) and 1 inch in Long

Storm Data and Unusual Weather Phenomena

January 2001

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

NEW JERSEY, South and Northwest

(Morris County). A weak low pressure system moved from South Carolina the morning of the 8th rapidly northeast and was located well east of Cape Cod by the morning of the 9th. The rapid movement and weak intensification of this low kept precipitation on the light side. Nevertheless, untreated roadways became slippery, especially during the night as temperatures dropped to around 20 degrees by the morning of the 9th.

NJZ001

Sussex

15 0100EST

0 0

Freezing Rain

16 0100EST

Cold air remained trapped near the ground as a weak low pressure system was forming over the Delmarva coastal waters during the evening of the 14th. It was warm enough aloft for precipitation to fall as rain, but froze on contact over sections of Sussex County. The iciest conditions were in the northwest part of the county. The low pressure system was weak, so precipitation amounts were generally under one tenth of an inch. Nevertheless, untreated roadways were treacherous. As the low pressure system pulled east of New Jersey during the day on the 15th, a very weak surface flow remained over the region. Dense fog formed and temperatures remained close to the freezing mark. An occluded front moved through the region during the night of the 15th. It was preceded by some spotty freezing rain during the evening of the 15th before it became cold enough aloft for the precipitation to fall as some light snow or flurries after midnight.

NJZ001

Sussex

19 0500EST

0 0

Wintry Mix

19 1000EST

A pair of low pressure systems that moved from the Gulf of Mexico northeast off the Middle Atlantic coast gave northwest New Jersey a couple of days of mixed precipitation and culminated with heavy snow the night of the 20th. The first shot of precipitation began moving across the region during the morning of the 19th. Precipitation started as freezing rain during the predawn hours and changed over to snow around sunrise. As warmer air moved in, precipitation changed back to freezing rain and then plain rain later in the morning. Snowfall accumulations averaged between one and two inches with total water equivalents of about one quarter of an inch prior to the change to rain. Untreated roadways were treacherous.

NJZ001-007>008

Sussex - Warren - Morris

19 2200EST

0 0

Wintry Mix

20 1100EST

Plain rain that was falling across the region starting to change back to a wintry mix across northwest New Jersey during the late evening of the 19th and the first half of the 20th. Precipitation changed to all snow around daybreak on the 20th and briefly ended later that morning. Accumulations ranged from trace amounts in the valleys to around two inches over the higher terrain in Sussex County. A commuter bus traveling west along Interstate 80 in Allamuchy Township (Warren County) from New York City to Scranton overturned and caught fire. Forty people were injured, one woman critically. A low pressure system developed on the warm frontal boundary during the evening of the 19th over the Middle Atlantic States and was located east of New Jersey at 7 a.m. EST on the 20th. Farther west, a second low pressure system over North Carolina still had to move offshore.

NJZ001-007>009-013-015

Sussex - Warren - Morris - Hunterdon - Western Monmouth - Mercer

20 1800EST

0 0

Winter Storm

21 0930EST

NJZ010-012-014-016>026

Somerset - Middlesex - Eastern Monmouth - Salem - Gloucester - Camden - Burlington - Western Ocean -

Cumberland - Western Atlantic - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean

20 1900EST

0 0

Wintry Mix

21 0900EST

A vigorous upper air disturbance coupled with a low pressure system that was intensifying east of the New Jersey coast produced heavy snow across the northern third of New Jersey and a wintry mix of sleet and snow across the rest of the state. Precipitation started again as snow across the northern third of the state during the early evening of the 20th. Farther to the south, where the air mass was warmer, precipitation started as rain. During the evening precipitation changed to sleet and then snow. It took until about midnight for the changeover to occur across extreme southeast New Jersey. The heaviest precipitation, thus the largest accumulation of sleet and snow, occurred across the northwest half of the state. Accumulations ranged from less than one inch in Cape May County to 10 inches in Morris County. The snow ended shortly after daybreak on the 21st.

Because this event occurred on a Saturday night (the 20th) and a Sunday morning (the 21st), the number of traffic accidents was relatively lower. But, 46 people on a Greyhound Bus traveling from New York City to Atlantic City were injured around 2 a.m. EST on the 21st. The bus was traveling on the Garden State Parkway in Ocean County, when it slid, spun out and overturned after striking a guardrail. Most of the injuries were minor, but four persons required hospitalization, one with a broken hip. The driver was cited for careless driving. The only snow related fatality occurred in Hamilton Township in Mercer County when a 40-year-old male slid across a road in his pickup truck, struck a curb and then rammed his vehicle head on into a tree. Several vehicles slid into ditches in Mercer County.

Specific accumulations included 10 inches in Jefferson Township (Morris County), 9 inches in Hoptacong (Sussex County) and Oak Ridge (Morris County), 8.5 inches in Stewartville (Warren County), 8 inches in Branchville and Stockholm (Sussex County) and Belvidere (Warren County), 7 inches in Long Valley (Morris County), Andover (Sussex County), Hackettstown (Warren County) and Yardville (Mercer County), 6 inches Manalapan (Monmouth County), 5.5 inches in White House (Hunterdon County) and Hightstown (Mercer County), 5.3 inches in New Brunswick (Middlesex County), 5 inches in Morristown (Morris County), Belle Mead (Somerset County), Princeton (Mercer County) and Freehold (Monmouth County), 4 inches in Moorestown and Tabernacle

Storm Data and Unusual Weather Phenomena

January 2001

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

NEW JERSEY, South and Northwest

(Burlington County), Pennsauken (Camden County), Metuchen (Middlesex County), Pottersville (Somerset County), and West Deptford (Gloucester County), 3 inches in Cherry Hill (Camden County), 2 inches in Seabrook (Cumberland County) and 1.1 inches in Estell Manor (Atlantic County).

NJZ001-007>010

Sussex - Warren - Morris - Hunterdon - Somerset

30	0600EST								
	1100EST			0	0				Freezing Rain

Cold air remained in place near the ground as a warm front was approaching New Jersey during the early morning of the 30th. Temperatures above the ground were warm enough for precipitation to fall as rain. Unfortunately surface temperatures were still at or below freezing as the precipitation moved into the region between 6 a.m. and 7 a.m. EST. Freezing rain was occurring from Hunterdon and Somerset Counties northwestward through Sussex County. The surface low pressure system associated with the warm front was located over the western Great Lakes States. It was too far removed to scour the cold air quickly. It took until 8 a.m. EST for temperatures to rise above freezing throughout Hunterdon and Somerset Counties, until around 930 a.m. EST in Warren and Morris Counties and until 11 a.m. EST in Sussex County. Ice accretions averaged around one-tenth of an inch with around two-tenths of an inch accruing in Morris and Sussex Counties. Untreated roadways were very treacherous.

NEW MEXICO, Central and North

NMZ002-004>007-010>013

Northwest Mountains Including Jemez - Sangre De Cristo Mountains - Northeast Highlands - Harding - Far Northeast Plains - Sandia/Manzano Mountains - Central High Plains/Estancia Valley County - Conchas Lake/Guadalupe - Quay

16	0600MST								
	17 1800MST			0	0				Winter Storm

A strong and moist southwest flow produced unusually heavy snowfall in the higher terrain of the Jemez mountains and southwest areas of the Sangre de Cristo mountains in Taos County. Schools and businesses were forced to close at Los Alamos where up to 18 inches of snow was recorded. An extended period of snowy upslope winds then developed as the storm passed into central and northeast New Mexico. Totals included up to 24 inch amounts in the eastern Sangre de Cristo mountains while amounts of 10 to 8 inches spread east from the central highlands and Estancia Valley out onto the plains reaching Santa Rosa, Tucumcari, Roy and Clayton.

NMZ002-004>005-008-010>012-016>017

Northwest Mountains Including Jemez - Sangre De Cristo Mountains - Northeast Highlands - Westcentral Mountains - Sandia/Manzano Mountains - Central High Plains/Estancia Valley County - Conchas Lake/Guadalupe - Lincoln County High Plains/Hondo Valley - Capitan/Northern Sacramento Mountains

27	1500MST								
	28 1800MST			2	0				Winter Storm

A slow-moving winter storm howled into northern and central New Mexico with gusty winds, heavy snow which closed state highways and many rural roads and contributed to two deaths from exposure. Tribal police found one body just north of Gallup and another near Bluewater. Details were not released. The storm produced 18 to 36 inches of heavy snow that engulfed snow removal and closed roads from the eastern Sangre de Cristo Mountains south over Las Vegas into the central highlands to Vaughn and Corona and westward over the Estancia Valley and the east slope communities of the Sandia and Manzano Mountains. Some residents remained trapped in their homes for 4-5 days before enough snow removal opened both the major and minor county roads. A state of emergency was declared in several counties including Mora, San Miguel and Torrance. Travel in rural areas of the central highlands were only aggravated by excess mud as snowmelt continued into early February. M?OU, M?OU

NEW MEXICO, South Central and Southwest

NMZ023-030>032

Sierra County Lakes Region - Southwest Desert/Boothill - Southwest Desert Mimbres Basin - Southern Desert

17	1400MST								
	2200MST			0	0				Heavy Snow

A band of heavy snow extended from southwest to northeast across southern New Mexico from the "bootheel" to Elephant Butte Reservoir, mainly below 6000 feet elevation. Oddly, the portion of the cold upper low which favored the production of heavy snow remained between, not over the mountain ranges to either side. The southern bootheel, near the Mexican border, received 6 to 10 inches of snow, while the remainder of the area was blanketed with 2 to 4 inches (with isolated 6 inch reports). The higher mountains to the east and west were left with only 1 to 2 inches of snow.

NMZ025

Southern Sacramento Mountains

28	0500MST								
	1900MST			0	0				Heavy Snow

From 6 to 10 inches of snow fell in the Cloudcroft area, with isolated amounts of over a foot.

NEW MEXICO, Southeast

NONE REPORTED.

NEW YORK, Central

NYZ018

Onondaga

01	0000EST								
	0300EST			0	0				Heavy Snow

A cold arctic airmass moved southeast across the Great Lakes behind a winter storm to create lake effect snow showers and squalls. 6 to 16 inches of snow fell in extreme northern Onondaga County over the entire event. The towns affected included Lysander, Clay, and North Syracuse. The lake effect snow started during the morning hours of December 31st, 2000.

Storm Data and Unusual Weather Phenomena

January 2001

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

NEW YORK, Central

NYZ009-037

Northern Oneida - Southern Oneida

05	0900EST				0	0			Heavy Snow
	2300EST								

A low pressure system moved from Lake Huron to northern New York on the 5th then redeveloped off the southern New England coast late on the 5th and early on the 6th. A west flow of cold moist air was further enhanced by moisture from Lake Ontario. Snowfall amounts were 5 to 11 inches. Snowfall rates were 1 to 2 inches an hour for much of the period.

NYZ009-018-037

Northern Oneida - Onondaga - Southern Oneida

09	0900EST				0	0			Heavy Snow
	10 0600EST								

Lake effect snow dropped 5 to 9 inches across most of Oneida County and extreme northern Onondaga County. Most of the snow fell between 7 PM on the 9th to midnight on the 10th. This was due to enhancement from an arctic front which moved through during the evening. The front set up a band of heavy snow with thunder across the region. The band started gathering moisture over Georgian Bay before crossing Lake Ontario. This band started moving south out of the affected area by 10 PM. During the height of the snow, snowfall rates were 2 to 3 inches an hour.

NYZ062

Sullivan

20	1700EST				0	0			Heavy Snow
	21 1000EST								

Low pressure intensified off the Delmarva Peninsula on the 20th as it moved up the east coast of the United States. The storm was off the southern New England around 7 AM on the 21st. Snow moved into the area around 5 PM ahead of the storm. The snow was heavy at times from midnight to 6 AM, before it ended later that same morning of the 21st. 5 to 9 inches of snow fell across the southern half of the county with the greatest amounts across the higher elevations.

NEW YORK, Coastal

NYZ071>081

Southern Westchester - New York (Manhattan) - Bronx - Richmond (Staten Is.) - Kings (Brooklyn) - Queens - Nassau - Northwest Suffolk - Northeast Suffolk - Southwest Suffolk - Southeast Suffolk

20	2130EST				0	0			Winter Storm
	21 0700EST								

NYZ067>070

Orange - Putnam - Rockland - Northern Westchester

21	0700EST				0	0			Heavy Snow
	0730EST								

A low pressure system developed off the mid Atlantic coast Saturday afternoon and moved northeast, passing east of Long Island early Sunday. With abundant low level moisture and cold air in place, light intermittent precipitation occurred Saturday. As the low intensified, heavy precipitation developed and moved northeast across the area.

Heavy snow occurred across Orange, Putnam, Rockland, and northern Westchester counties.

In the New York City area, southern Westchester County, and across Nassau County, a period of sleet and freezing rain occurred Saturday night, producing ice accumulations of up to 0.20 inches. This buildup of ice on major highways and bridges produced hazardous travel conditions Saturday night, and contributed to an airplane skidding off the runway at JFK Airport Sunday morning. The sleet and freezing rain changed to heavy snow early Sunday morning.

Across Suffolk County, a significant period of sleet and freezing rain occurred Saturday night, before changing to heavy snow early Sunday morning. Ice accumulations ranged from 0.25 to 0.50 inches. This accretion of ice on tree limbs caused some tree branches to fall, and led to power outages.

Here are some specific snowfall and ice amounts for:

Orange County: from 5 inches at Newburgh to 7 inches measured at Chester.

Putnam County: 8.1 inches measured at Fahnestock State Park.

Rockland County: 6 inches measured at Pomona.

Westchester County: from 5 inches at Yorktown Heights to 7.3 inches measured at White Plains.

New York City:

Manhattan - up to 0.10 inches of ice followed by 6 inches of snow at Central Park.

Brooklyn - up to 0.10 inches of ice followed by 7 inches of snow.

Queens - 0.11 inches of ice followed by 6 inches of snow at John F. Kennedy International Airport.

Nassau County: 0.20 inches of ice followed by 7 inches of snow at Bayville.

Storm Data and Unusual Weather Phenomena

January 2001

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

NEW YORK, Coastal

Suffolk County:

Upton National Weather Service Office: 0.43 inches of ice followed by 6 inches of snow.
Islip McArthur Airport: 0.33 inches of ice followed by 4 inches of snow.

NEW YORK, East

NYZ063-065>066

Western Ulster - Western Dutchess - Eastern Dutchess

21	0200EST 0800EST				0	0			Winter Storm
----	--------------------	--	--	--	---	---	--	--	---------------------

A wave of low pressure developed along a stationary frontal boundary, across interior North Carolina, on Saturday January 20. This storm then deepened as it tracked northeastward, and reached a point about 100 miles east of Cape Cod by Sunday morning. This storm brought a significant snowstorm to western Ulster and all of Dutchess counties during the predawn hours on Sunday, January 21. A swath of 5-9 inches of snowfall fell throughout this area. Stormville, in Dutchess county measured 8.7 inches, while Poughkeepsie had 6.9 inches. There were no unusual problems reported to the National Weather Service with this storm.

NEW YORK, North

NYZ026-029

Northern St. Lawrence - Southern St. Lawrence

03	2200EST				0	0	2K		Lake Effect Snow
04	0300EST								

Lake effect snow off Lake Ontario resulted in 3 to 5 inches of snow. Both Edwards and Gouverneur reported 4 inches.

NYZ028

Northeast Clinton

15	1000EST				0	0	1K		Light Snow
16	1600EST								

A weak but complex area of low pressure and frontal boundaries resulted in light snow across portions of northern New York. Snowfall was generally 4 inches or less, with 4 inches reported in Chazy, NY.

NYZ026>028-

030>031-034>035

Northern St. Lawrence - Northern Franklin - Northeast Clinton - Southern Franklin - Southwest Clinton -

Western Essex - Eastern Essex

30	0900EST 2100EST				0	0	7K		Mixed Precipitation
----	--------------------	--	--	--	---	---	----	--	----------------------------

A large sprawling area of low pressure over the Great Lakes region spread moisture across the area. The low level temperatures were at or below freezing. Thus there was a mixture of light freezing rain, snow and sleet. Roads were reported as slippery by State Police and weather spotters. Icing was reported in and around Lake Placid with some power outages in the AuSable Forks area (along the border of Clinton and Essex counties). In Franklin county, South Bombay reported the mixed precipitation changed to snow with 3 inches of snow while 2 inches of snow fell in Vermontville. Massena (St Lawrence county) reported 2 inches of snow with some ice with 2 inches of snow in Mooers NY (Clinton county).

NYZ026>031-

034>035

Northern St. Lawrence - Northern Franklin - Northeast Clinton - Southern St. Lawrence - Southern Franklin -

Southwest Clinton - Western Essex - Eastern Essex

31	1000EST 1900EST				0	0	8K		Light Snow
----	--------------------	--	--	--	---	---	----	--	-------------------

An area of low pressure moved from the Great Lakes region along a frontal boundary through northern New York Wednesday afternoon, January 31. Snowfall was generally 3 to 5 inches with slippery roads reported. A few snowfall reports included: South Bombay (Franklin county) with 5 inches...Peru (Clinton county) with 4.7 inches...Edwards (St Lawrence county) with 4 inches and Lake Placid (Essex county) with 3 inches.

NEW YORK, West

NYZ004-006-008

Wayne - Oswego - Lewis

09	2110EST				0	0	55K		Heavy Snow
10	0530EST								

A storm over the Saint Lawrence River Valley brought heavy snow to the eastern Lake Ontario region during the late evening and early morning hours of the 09th-10th. At its heaviest snow fell at the rate of one to two inches per hour. Snowfall totals across the areas ranged from six to ten inches.

Erie County

West Seneca

31	0745EST 1130EST				0	0	100K		Flash Flood
----	--------------------	--	--	--	---	---	------	--	--------------------

Soaking rains on the 30th caused significant rises in area river and creek levels. The rapid rise resulted in an ice jam on Cazenovia Creek in Erie County. In West Seneca, basement and road flooding occurred in the Parkside/Willowdale neighborhood. The jam broke later in the morning and the water levels receded.

NORTH CAROLINA, Central

NONE REPORTED.

NORTH CAROLINA, Central Coastal

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

January 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NORTH CAROLINA, Extreme Southwest</u>									
NCZ060>061		Cherokee - Clay							
		01 0300EST			0	0			Winter Storm
		02 0600EST							
		A strong upper level disturbance swept through the Tennessee Valley and southern Appalachians bringing a round of light snow to the area. Amounts were generally 1 inch or less.							
NCZ060>061		Cherokee - Clay							
		20 0400EST			0	0			Winter Storm
		2300EST							
		An area of low pressure moved northeast across the southern Appalachians, bringing light snow to the region. Amounts averaged from 1/2 inch to 2 inches.							
<u>NORTH CAROLINA, North Coastal</u>									
		NONE REPORTED.							
<u>NORTH CAROLINA, Northwest and North Central</u>									
		NONE REPORTED.							
<u>NORTH CAROLINA, South Coastal</u>									
		NONE REPORTED.							
<u>NORTH CAROLINA, Southwest</u>									
NCZ033-048>053-058>059-062>065		Avery - Madison - Yancey - Mitchell - Swain - Haywood - Buncombe - Graham - Northern Jackson - Macon - Southern Jackson - Transylvania - Henderson							
		01 1200EST			0	0			Snow
		02 0300EST							
		A powerful upper level disturbance interacted with left-over cold air and abundant low level moisture to wring out snow showers across the North Carolina mountains from midday New Years Day through the early morning hours on the 2nd. Highest accumulations were in Haywood County, with several reports of 3 inch accumulations.							
NCZ033-049>050		Avery - Yancey - Mitchell							
		02 1200EST			0	0			Snow
		1800EST							
		A secondary cold front passing over the mountains resulted in light snowfall accumulations.							
NCZ033-048-053-058>059		Avery - Madison - Buncombe - Graham - Northern Jackson							
		08 0300EST			0	0			Snow
		1000EST							
		A weak upper level disturbance crossed the mountains early on the 8th, producing a light blanket of fresh snow.							
NCZ033-048>053-058		Avery - Madison - Yancey - Mitchell - Swain - Haywood - Buncombe - Graham							
		08 2100EST			0	0			Snow
		09 0900EST							
		Another fast-moving upper level disturbance produced more light snow, mostly in areas near the Tennessee border.							
NCZ065		Henderson							
		13 0500EST			0	0			Dense Fog
		1000EST							
		Fog, coupled with rime icing, caused slick roads and several accidents.							
NCZ053		Buncombe							
		15 0600EST			0	0			Dense Fog
		1000EST							
		Dense fog contributed to traffic accidents in Candler.							
NCZ056		Catawba							
		15 0700EST			0	0			Patchy Ice
		1100EST							
		Icy roads contributed to traffic accidents. At least one fatal accident was reported.							
NCZ072		Cabarrus							
		18 0900EST			0	0			Dense Fog
		1200EST							
		Dense fog contributed to traffic accidents in Concord.							
Cleveland County									
Shelby		19 1430EST			0	1			Lightning
		A worker at a concrete plant was shocked by lightning traveling through a drain pipe. Minor injuries were reported.							
Iredell County									
Union Grove		19 1445EST			0	1			Lightning
		A teacher was struck by lightning while on car duty after school. She was holding an umbrella for protection from the rain. She							

Storm Data and Unusual Weather Phenomena

January 2001

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

NORTH CAROLINA, Southwest

suffered a minor stroke and an injury to her side and was held at the hospital for 24 hours for observation.

Mecklenburg County

Charlotte	19	1550EST			0	0			Hail (1.00)
------------------	----	---------	--	--	---	---	--	--	--------------------

Trained spotter reported quarter-sized hail in Charlotte.

NCZ066

Polk	20	1455EST			0	0	15K		Gusty Winds
-------------	----	---------	--	--	---	---	-----	--	--------------------

Gusty winds caused a large tree to fall across the 3 main power lines serving the town of Saluda. Power was out for around 9 hours.

NCZ053-059

Buncombe - Northern Jackson

	20	1500EST			0	0			Snow
--	----	---------	--	--	---	---	--	--	-------------

NCZ033-048>052-058

Avery - Madison - Yancey - Mitchell - Swain - Haywood - Graham

	20	1800EST			0	0			Heavy Snow
--	----	---------	--	--	---	---	--	--	-------------------

Strong, northwest winds on the backside of a developing surface cyclone along the Carolina coast advected much colder air into the North Carolina mountains on the 20th, resulting in heavy snow along the slopes with a western exposure. Highest accumulations were in Avery and Mitchell counties, with Poplar reporting 5 to 6 inches, and Elk Park 5 to 8 inches.

NCZ033-048>049

Avery - Madison - Yancey

	25	0600EST			0	0			Snow
--	----	---------	--	--	---	---	--	--	-------------

A cold front crossed the mountains early on the 25th, producing additional light snow accumulations in the northern North Carolina mountains.

NCZ062

Macon

	30	0000EST			0	0			High Wind (G50)
--	----	---------	--	--	---	---	--	--	------------------------

3 or 4 trees were blown down overnight. A gas truck turned over, which could have been caused by the high winds.

A low level jet developed ahead of an approaching cold front. Southerly winds were estimated in the 55 to 60 mph range.

NORTH DAKOTA, Central and West

NONE REPORTED.

NORTH DAKOTA, East

NDZ053

Richland

	29	2300CST			0	0			Winter Storm
--	----	---------	--	--	---	---	--	--	---------------------

A vertically stacked low pressure system moved from the Four Corners region into northwest Iowa, wrapping precipitation into extreme southeast North Dakota and west central Minnesota. The precipitation started out as freezing rain and changed over to snow. Many areas saw a quarter inch or more of ice accumulation. As the wraparound precipitation changed to snow, many locations reported 3 to 6 inches of snow. 8 inches of snow was reported at Elbow Lake and Henning, Minnesota.

OHIO, East

OHZ057>059-068>069

Muskingum - Guernsey - Belmont - Noble - Monroe

	20	2000EST			0	0			Heavy Snow
--	----	---------	--	--	---	---	--	--	-------------------

An upper-level disturbance passing over east-central Kentucky deepened rapidly during the late afternoon hours of the 20th, producing a several-hour period of heavy snow over east central Ohio. County snowfall totals across the area all ranged between 5 and 7 inches.

Belmont County

Neffs

	30	1020EST			0	0			Flood
--	----	---------	--	--	---	---	--	--	--------------

An ice jam on Trough Run produced some minor roadway flooding, closing Trough Run Road near Neffs for several hours.

Harrison County

Southwest Portion

	31	1058EST			0	0			Flood
--	----	---------	--	--	---	---	--	--	--------------

Tuscarawas County

Southeast Portion

	31	1058EST			0	0			Flood
--	----	---------	--	--	---	---	--	--	--------------

Heavy rains forced some minor roadway flooding along State Route 258 near Stillwater in southeast Tuscarawas County, extending into southwestern Harrison County.

OHIO, North

OHZ011-013

Cuyahoga - Geauga

	05	0300EST			0	0	65K		Heavy Snow
--	----	---------	--	--	---	---	-----	--	-------------------

Northwest flow across Lake Erie caused lake effect snow showers to develop during the early morning hours. Although the snow

Storm Data and Unusual Weather Phenomena

January 2001

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

OHIO, North

showers persisted into the evening hours, most of the accumulating snow occurred between daybreak and sunset. Over six inches of accumulation was reported at several locations on the eastern end of Cuyahoga County. In Geauga County, 7 inches of snow fell at Newbury with 6 inch accumulations at several other locations.

OHZ011

Cuyahoga

27	0000EST				0	0	25K		Heavy Snow
	1200EST								

Northwest winds across Lake Erie caused lake effect snow showers to develop. Accumulations of up to 6 inches were reported at several locations on the east end of the county with nearly 7 inches falling at Pepper Pike.

OHIO, Northwest

NONE REPORTED.

OHIO, Southeast

OHZ066

Perry

03	0000EST				0	0			Extreme Cold
	0900EST								

New Lexington registered 5 below zero at dawn.

OHZ066>067-075>076-083>087

Perry - Morgan - Athens - Washington - Jackson - Vinton - Meigs - Gallia - Lawrence

19	1000EST				0	0			Snow
	2200EST								

After a quarter to a half inch of rain, the precipitation changed to snow during the day on the 19th, then became mainly snow showers by the 20th. The 36 hour snow accumulation was 3 to 6 inches across southeast Ohio.

OHIO, Southwest

OHZ073-078>082-088 **Ross - Clermont - Brown - Highland - Adams - Pike - Scioto**

19	1900EST				0	0			Heavy Snow
	1900EST								

A slow moving mid level low pressure system brought 2 rounds of snow to south-central Ohio. The first round of snow occurred on the evening of the 19th but the snow tapered off overnight. The second round occurred on the morning and afternoon of the 20th. Snowfall totals of 4-6 inches were common across the region with some 7 inch amounts occurring in the higher elevations.

OKLAHOMA, Eastern

OKZ064

Creek

29	0900CST				0	0			Flood
	0500CST								

The Pole Cat Creek near Sapulpa rose above its flood stage of 21 feet during the morning of January 29.

The river crested at 22.4 feet on the evening of January 29 before falling below its flood stage during the predawn hours on January 30.

Ottawa County

Wyandotte

29	1430CST				0	0	20K		Flood
----	---------	--	--	--	---	---	-----	--	--------------

Heavy rains from thunderstorms caused a bridge on East 175 Road to collapse when its supports were damaged by running water. The loss of this bridge left about 30 Ottawa County families nearly cut off. They had to travel an additional 17 miles out of their way to get around the collapsed bridge.

OKZ058

Ottawa

29	1900CST				0	0			Flood
	1500CST								

The Neosho River near Commerce rose above its flood stage of 15 feet at 7 pm on January 29. The river crested at 15.7 feet at 4 am on January 30 before falling below its flood stage at 3 pm the same day.

OKZ066

Okmulgee

31	1500CST				0	0			Flood
	2359CST								

The Deep Fork River near Beggs rose above its flood stage of 18 feet at 3 pm on January 31. The river crested at 18.2 feet at 2 am February 1 before falling below its flood at 9 am the same day.

OKLAHOMA, Extreme Southeast

NONE REPORTED.

OKLAHOMA, Panhandle

OKZ001>002

Cimarron - Texas

16	0525CST				0	0			Heavy Snow
	0600CST								

A strong storm system in the upper atmosphere moved out of the southwestern U.S. and produced heavy snowfall across the western and central Oklahoma panhandle. Snowfall amounts ranged from five to six inches in the central sections to between nine and twelve

Storm Data and Unusual Weather Phenomena

January 2001

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

OKZ001>003

inches across the western sections.

Cimarron - Texas - Beaver

27 1200CST

0 0

Heavy Snow

28 1800CST

A strong storm system in the upper atmosphere moved eastward across the southern Rockies and into the Oklahoma panhandle. Heavy snow fell across the Oklahoma panhandle with amounts ranging from ten to twelve inches. There were several accidents in the Oklahoma panhandle because of the heavy snow with only minor injuries reported.

OKLAHOMA, Western, Central and Southeast

OKZ004>048-050>052

Harper - Woods - Alfalfa - Grant - Kay - Ellis - Woodward - Major - Garfield - Noble - Roger Mills - Dewey - Custer - Blaine - Kingfisher - Logan - Payne - Beckham - Washita - Caddo - Canadian - Oklahoma - Lincoln - Grady - McClain - Cleveland - Pottawatomie - Seminole - Hughes - Harmon - Greer - Kiowa - Jackson - Tillman - Comanche - Stephens - Garvin - Murray - Pontotoc - Coal - Cotton - Jefferson - Carter - Johnston - Atoka - Love - Marshall - Bryan

11 0100CST

0 0

Fog

1000CST

Fog and slick roads developed during the overnight hours of the 11th and continued through mid-morning. Visibilities were occasionally reduced to less than one half mile, while temperatures remained close to freezing. Numerous vehicle accidents were reported, including a head-on collision which killed 4 people on Highway 183, 1 mile north of Hobart in Kiowa County at approximately 0145 CST. Another man was killed in Edmond in Oklahoma County when his car hit a bridge abutment near Interstate 35 and Hefner Road at approximately 0850 CST. A nineteen car pile-up also developed on Interstate 44 at Airport Road in Oklahoma City at 0540 CST.

OKZ008-012>013-015>047-050>051

Kay - Garfield - Noble - Dewey - Custer - Blaine - Kingfisher - Logan - Payne - Beckham - Washita - Caddo - Canadian - Oklahoma - Lincoln - Grady - McClain - Cleveland - Pottawatomie - Seminole - Hughes - Harmon - Greer - Kiowa - Jackson - Tillman - Comanche - Stephens - Garvin - Murray - Pontotoc - Coal - Cotton - Jefferson - Carter - Johnston - Love - Marshall

12 0500CST

0 0

Fog

1400CST

Dense fog, with visibilities reduced to less than one quarter of a mile, developed across much of southern and central Oklahoma during the early morning of the 12th, and lasted through the early afternoon.

Comanche County

Lawton

16 0900CST

0 5

Lightning

Lightning struck the ground near a group of 34 soldiers training at the East Range, sending 5 of them to the hospital for treatment.

OKZ004>005-009>010-014

Harper - Woods - Ellis - Woodward - Roger Mills

28 1000CST

0 0

Winter Storm

1500CST

OKZ006>008-011>013-015>024-033>036

Alfalfa - Grant - Kay - Major - Garfield - Noble - Dewey - Custer - Blaine - Kingfisher - Logan - Payne - Beckham - Washita - Caddo - Canadian - Harmon - Greer - Kiowa - Jackson

28 1000CST

0 0

Ice Storm

1500CST

A winter storm provided an average of 4 to 7 inches of snow across portions of northwest Oklahoma during the morning and afternoon of the 28th, from near Arnett in Ellis County northeastward to just west of Alva in Woods County. From northern Roger Mills County northeastward through Woodward in Woodward County, up to 4 inches of snow fell. Between 1/4 and 1 inch of ice with some snow fell from southwest Oklahoma, near Hollis and Mangum, northeastward through Kingfisher, Enid, and Ponca City. Approximately 18,000 people lost power during the storm.

OREGON, Central and East

ORZ049

Grand Ronde Valley

03 0600PST

0 0

10K

0

High Wind (G56)

^M

1500PST

High winds occurred throughout the morning in the southern Grande Ronde valley. Just after noon, sustained winds of 46 mph with gusts as high as 65 mph were measured by an Oregon Dept. of Transportation automated wind sensor along Interstate 84 just north of Ladd Canyon. This sensor is located 8 miles south of La Grande. Earlier in the morning, tiles were lifted from a roof in Union. In addition, numerous large tree branches were downed.

ORZ049

Grand Ronde Valley

07 2200PST

0 0

0

0

High Wind (G52)

^M

0600PST

High winds were recorded overnight in the southern Grande Ronde Valley. An automated wind sensor located next to Interstate 84 at the mouth of Ladd Canyon recorded sustained winds over 40 mph. In addition, a spotter in Union recorded a wind gust of 60 mph between midnight and 1 a.m. on the 8th of January.

Storm Data and Unusual Weather Phenomena

January 2001

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

OREGON, Central and East

ORZ045	Foothills Of The Blue Mountains								
	10	1800PST 2200PST			0	1	10K	0	Fog
	Dense fog led to a one vehicle accident with an injury at the intersection of Highways 204 and 11 near Weston.								
ORZ048	Ochoco-John Day Highlands								
	11	2200PST			0	0	0	0	Heavy Snow
	12	0900PST							
	10 inches of snow fell overnight at a rural location 9 miles NNW of Seneca. This site is in the Bear Valley at an elevation of 4800 feet.								
ORZ050	Wallowa County								
	11	2200PST			0	0	0	0	Heavy Snow
	12	1030PST							
	Heavy snow fell overnight and throughout the morning in the Wallowa Valley. Joseph, at an elevation of 4100 feet, received 7 inches. Another location just west of Lostine at an elevation of 3400 feet recorded 9 inches.								
ORZ046	Blue Mountains								
	11	2200PST			0	0	0	0	Heavy Snow
	13	1000PST							
	14 inches of snow fell in a day and a half. This location is at 4000 feet 8 miles west of Tollgate.								

OREGON, Northwest

NONE REPORTED.

OREGON, Southeast

ORZ062	Baker								
	11	1800MST			0	0			Heavy Snow
	12	0800MST							
	An Eastern Pacific storm system brought several inches of snow to the southeast Oregon and southwest Idaho mountains. Heavy snow amounts were isolated to Baker County, Oregon where reports ranged from 6 inches in Baker City and Halfway to up to 12 inches in Keating. Snowfall reports in other mountain sites were generally less than 6 inches.								

OREGON, Southwest

ORZ021-021-021	South Central Oregon Coast								
	09	0956PST 1126PST			0	0			High Wind (G52) ^M
	Cape Blanco gust. A High Wind Warning was issued for the headlands of zones ORZ021/022 at 0508 PST on 01/09/01 and expired at 2000 PST on 01/09/01. The winds above were the peak values recorded at Cape Blanco. The high wind warning criteria was exceeded on nearly every Cape Blanco observation between 0956 PST and 1356 PST on 01/09/01.								
ORZ026-026-028-028	Jackson County - Siskiyou Mountains & Southern Oregon Cascades								
	10	1155PST 1300PST			0	0			High Wind (G100)
	Spotter JA20 reported estimated south winds 20 to 30 mph gusting to 60 mph in Ashland. A High Wind Warning was issued for the Siskiyou Mountains at 1319 PST on 01/10/01 in response to the Mount Ashland ski resort report. A wind advisory was issued at the same time for Jackson County, with the highest winds around Ashland. Winds that met warning criteria were likely limited to the Ashland area, so a wind advisory for the county as a whole was likely appropriate. The reports listed above were the only ones recieved that met warning criteria. The warning was expired at 2055 PST on 01/10/01.								
ORZ021	South Central Oregon Coast								
	25	0900PST 1700PST			0	0			High Wind (G69) ^M
	Cape Blanco wind at 0900 PST 54 mph gusting to 69 mph. A High Wind Warning was issued for the coastal headland of zones ORZ021/022 at 2207 PST on 01/24/01. The warning was not officially cancelled, but it ran through at least 1200 PST on 01/25/01. Winds exceeded warning criteria at Cape Blanco from 0900 PST to 1300 PST on 01/25, and again at 1600 PST. The highest sustained wind and gust report is listed above...no other wind reports were received.								
ORZ021-021	South Central Oregon Coast								
	29	2000PST 2200PST			0	0			High Wind (G42) ^M
	Cape Blanco winds 40 mph gusting to 59 mph. A High Wind Warning was issued for the coastal headlands of zones ORZ021/022 at 1845 PST on 01/28 and cancelled at 0455 PST on 01/29. The warning verified soon after issuance at Cape Blanco.								

PACIFIC

Guam									
Ritidian Point	03	1715SST 1900SST			2	3			Rip Currents

Storm Data and Unusual Weather Phenomena

January 2001

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

PACIFIC

A husband and wife (both 54 years of age) were snorkeling with their three children (a 26 year old female, a 23 year old male and a 20 year old male). Rough waters dragged them over the reef. One of the couple's sons was able to swim to shore and call for help at the nearby U.S Fish and Wildlife office. The officials were already aware of the distressed swimmers and had called for assistance. The U.S. Wildlife people saw that the swimmers were out too far and could be in trouble so they notified the Coast Guard. The Coast Guard received the call at 1721 and the first of two Navy HC-5 helicopters arrived at the scene at 1742. One of the HC-5 helicopters was able to hoist the mother and her daughter out of the water and flew them to Naval Hospital at 1825 for treatment. They tried to resuscitate the mother, who was unresponsive.

Guam Fire Rescue units were able to pull the husband from the water. A second Navy HC-5 helicopter hoisted the man and also brought him to Naval Hospital at 1850. Efforts to revive him proved fruitless and he was pronounced dead at 1900. The children were not seriously injured. M54IW, F54IW

Guam

Apra Harbor

03	2000SST								
04	0930SST			2	0				Rip Currents

A group of seven illegal immigrants from mainland China jumped from a Taiwanese fishing boat off Apra Harbor's reef at 2000 GLST. A few got caught in the strong swells which resulted in the deaths of two of them. Three others, who also got caught in the strong swells, were found clinging to a buoy at the entrance to Apra Harbor. Rescue efforts began at 0650 on January 4th after the crew members

of the Japanese fishing vessel Iya Maru reported seeing the three men clinging to the buoy. Guam fire rescue units took the three men to the commercial pier at 0738. Rescue efforts continued after further questioning revealed the suspected illegal immigrants were among a group of seven people.

Guam Fire and rescue located the first of two bodies about a quarter of a mile south of Orote Point near Piti at 0921. A Navy HC-5 helicopter located the second body about a half a mile southwest of Orote Point. The first man was wearing a personal flotation device and had been badly battered on the reef by the high surf. The second man was not wearing a personal flotation device and appeared to have been attacked by sharks. M?IW, M?IW

Guam

Ritidian Point

14	1500SST								
	1600SST			0	0				Rip Currents

Three swimmers were swept over the reef at Ritidian Point. A Navy HC-5 Squadron helicopter and Guam Fire Rescue units responded to the scene that afternoon, but the swimmers, two men and a women, were able to swim to shore before the helicopter arrived.

Guam

Apra Harbor

16	1300SST								
	1600SST			0	1				Rip Currents

Heather McDonald, a 31 year old tourist from Thailand, was snorkeling with her husband in Tumon Bay. She continued to snorkel alone after her husband went back to the beach. Strong currents swept her over the reef. The women was found drifting in rough water two

hours later by five men aboard a charter boat. A scream for help caught the attention of Mike Rendall, captain of the Ten III, and his four passengers as they were making there way back to the Hagatna boat basin from Tanguission Beach. McDonald grabbed a rope thrown from the boat, and Koburi Massashi and his three friends from Japan pulled the woman aboard the 38 foot vessel. McDonald had difficulty breathing and could hardly speak as she was exhausted after the ordeal. After calling the U.S. Coast Guard at 1520, Rendall rushed his boat to the Hagatna boat basin, arriving 10 minutes after the rescue. McDonald suffered cuts to her legs and feet.

PENNSYLVANIA, Central

PAZ024-033-036-042- Cambria - Somerset - Franklin - Sullivan - Montour - Columbia - Schuylkill - Lebanon - Adams - York -

051-053-058>059- Lancaster

064>066

20	1800EST								
21	1200EST			0	0				Heavy Snow

Weak surface low pressure tracked northeast from the central plains into the northeast. At the same time, a deepening upper level low pressure system pivoted across West Virginia and Maryland, bringing snow to much of central Pennsylvania. Snow was heavy at times across portions of the lower and middle Susquehanna Valley as the system pulled east. Snowfall of 5 to 8 inches was common across the region, with isolated amounts of 10 inches reported in Lancaster County (New Holland), and 13 inches reported in Somerset County (Laurel Summit). Lesser amounts (2 to 5 inches) fell across much of the rest of central Pennsylvania.

Lancaster County

Countywide

30	2126EST								
31	1200EST			0	0				Flash Flood

Rainfall and warm temperatures combined to form an ice jam along Pequea Creek at Paradise in Lancaster County. An automated gage at the site recorded a rise from around 3 feet to 8.4 feet. Flooding occurs when the stage reaches 6 feet. A rapid decrease in water levels was noted on the morning of the 31st. Calls to Emergency Management officials reported no damage.

Storm Data and Unusual Weather Phenomena

January 2001

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

PENNSYLVANIA, East

PAZ054>055-060>062-067>071 Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia

05	0900EST 2100EST				0	0			Snow
-----------	----------------------------	--	--	--	----------	----------	--	--	-------------

Light snow, associated with a low pressure system's warm and cold front moved through Eastern Pennsylvania from the second half of the morning into the early evening of the 5th. Accumulations were mainly between two and three inches. High temperatures were below freezing and the light snow did cause slippery travel conditions on untreated roadways. In Delaware County, a 17-year-old teenager was killed when the pick-up truck he was a passenger in skidded off a road into a guardrail in Thornbury Township. He was killed when the guardrail penetrated the passenger side of the vehicle. Numerous accidents were reported in Upper Chichester Township.

Accumulations included 3.5 inches in Valley Forge (Chester County), 3 inches in Chadds Ford (Delaware County) and Bechtelsville (Berks County), 2.5 inches in Morgantown (Berks County), 2.4 inches in Williams Township (Northampton County), 2.3 inches in Palm (Montgomery County), 2.1 inches in Buckingham Township (Bucks County), 2 inches in East Stroudsburg (Monroe County), West Chester (Chester County) and the Franklin Institute within Philadelphia and 1.8 inches in Exton (Chester County).

PAZ054>055-061>062 Carbon - Monroe - Lehigh - Northampton

08	1230EST				0	0			Snow
09	0130EST								

Light snow spread across the Lehigh Valley and the Poconos during the afternoon and through the evening of the 8th. Precipitation started as light rain in the Lehigh Valley, but changed to snow by mid afternoon on the 8th. The precipitation intensity was mainly light and coupled with relatively warm temperatures, some of the snow melted as it fell in the valleys. Accumulations were generally under an inch. Higher terrain locations received between 2 and 3 inches. Specific accumulations included 2.7 inches in Saylorburg (Monroe County), 2.3 inches in Williams Township (Northampton County), 0.8 inches in Lehighon (Carbon County), 0.7 inches in East Stroudsburg (Monroe County) and 0.5 inches at the Lehigh Valley International Airport. A weak low pressure system moved from South Carolina the morning of the 8th rapidly northeast and was located well east of Cape Cod by the morning of the 9th. The rapid movement and weak intensification of this low kept precipitation on the light side. Nevertheless, untreated roadways became slippery, especially during the night as temperatures dropped to around 20 degrees by the morning of the 9th.

PAZ054>055

Carbon - Monroe

15	0030EST				0	0			Freezing Rain
16	0000EST								

Cold air remained trapped near the ground as a weak low pressure system was forming over the Delmarva coastal waters during the evening of the 14th. It was warm enough aloft for precipitation to fall as rain, but froze on contact throughout most of the Poconos. The low pressure system was weak, so precipitation amounts were generally under one tenth of an inch. Nevertheless, untreated roadways were treacherous. As the low pressure system pulled east of New Jersey during the day on the 15th, a very weak surface flow remained over the region. Dense fog formed and temperatures remained around the freezing mark. An occluded front moved through the region during the night of the 15th. It was preceded by some spotty freezing rain during the evening of the 15th before it became cold enough aloft for the precipitation to fall as some light snow or flurries after midnight.

PAZ054>055

Carbon - Monroe

19	0400EST 1100EST				0	0			Wintry Mix
-----------	----------------------------	--	--	--	----------	----------	--	--	-------------------

A pair of low pressure systems that moved from the Gulf of Mexico northeast off the Middle Atlantic coast gave the Poconos a couple of days of mixed precipitation and culminated with heavy snow the night of the 20th. The first shot of precipitation began moving across the region during the morning of the 19th. Precipitation started as freezing rain during the predawn hours and changed over to snow around sunrise. As warmer air moved in, precipitation changed back to freezing rain and then plain rain later in the morning. Snowfall accumulations were around one inch with total water equivalents of about one quarter of an inch before the change to plain rain. Untreated roadways were treacherous. Many schools had delayed openings, except in Carbon County where most were closed. Many fender benders were reported in Carbon County. In Franklin Township (Carbon County) a 52-year-old woman escaped serious injury after she lost control of her vehicle and slid down an embankment into the Pohopoco Creek. U.S. Route 209 had to be closed between Mahoning Township and Jim Thorpe (Carbon County) because vehicles could not cross the hill.

PAZ054>055

Carbon - Monroe

20	0000EST 0800EST				0	0			Snow
-----------	----------------------------	--	--	--	----------	----------	--	--	-------------

PAZ061>062

Lehigh - Northampton

20	0100EST 1000EST				0	0			Wintry Mix
-----------	----------------------------	--	--	--	----------	----------	--	--	-------------------

Plain rain that was falling across the region starting to change back to a wintry mix across the Poconos and Lehigh Valley during the first half of the 20th. Precipitation changed to all snow by daybreak on the 20th and briefly ended later that morning. Accumulations ranged from trace amounts in the valleys to around two inches over the higher terrain. A low pressure system developed on the warm frontal boundary during the evening of the 19th over the Middle Atlantic States and was located east of New Jersey at 7 a.m. EST on the 20th. Farther west, a second low pressure system over North Carolina still had to move offshore.

Storm Data and Unusual Weather Phenomena

January 2001

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

PENNSYLVANIA, East

**PAZ054>055-
060>062-067>071** **Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia**

20	1600EST				0	0			Winter Storm
21	1100EST								

A vigorous upper air disturbance coupled with a low pressure system that was intensifying east of the New Jersey coast produced heavy snow across Eastern Pennsylvania. Precipitation started again as snow across most of Eastern Pennsylvania during the late afternoon and early evening of the 20th. In and around the local Philadelphia area, where the air mass was warmer, precipitation started as rain. During the evening precipitation then changed to sleet and then snow and by 10 p.m. EST it was snowing throughout Eastern Pennsylvania. The heaviest precipitation, thus the largest accumulation of snow fell in a band from Lancaster County northeastward through the Lehigh Valley. Accumulations ranged from three to twelve inches. The upper air disturbance was so strong that thunderstorms were reported in Delaware County and the Lehigh Valley. The snow ended shortly after daybreak on the 21st, except in the Poconos where it lingered throughout most of the morning.

Because this event occurred on a Saturday night (the 20th) and a Sunday morning (the 21st), the number of traffic accidents was relatively lower. But, 30 people were injured around Noon EST on the 21st on Interstate 476 in Plymouth Meeting (Montgomery County) when a tour bus traveling from Scranton to Atlantic City attempted to pass a snow plow. While the passing the plow, the bus veered into the same lane as the plow, which struck the back of the bus and sent it into a sharp right turn into a drainage ditch. Two of the injuries were serious. A number of sporting events in the Poconos were cancelled for the evening of the 20th.

Specific accumulations included 12 inches in Camelback Mountain (Monroe County) and Morgantown (Berks County), 10.8 inches in Williams Township (Northampton County), 8.3 inches in Reading (Berks County), 8.1 inches in Glenmoore (Chester County), 8 inches in Sellersville (Bucks County), Macungie (Lehigh County) and Saylorsburg (Monroe County), 7.6 inches in Boyertown (Berks County), 7.5 inches in Albrightsville (Carbon County), 7 inches in at the Lehigh Valley International Airport and Pottstown and Green Lane (Montgomery County), 6.5 inches in Downingtown (Chester County), 6.3 inches in East Stroudsburg (Monroe County), 6 inches in Fricks (Bucks County), 5.3 inches in Somerton (Philadelphia), 5 inches in Wynnewood (Montgomery County), 4.5 inches in Hamburg (Berks County), Jim Thorpe (Carbon County) and Valley Forge (Chester County), 4 inches in Clifton Heights and Crum Creek (Delaware County) and 3.6 inches at the Philadelphia International Airport.

**PAZ054>055-
060>062-068>069** **Carbon - Monroe - Berks - Lehigh - Northampton - Montgomery - Bucks**

30	0500EST 1200EST				0	0			Freezing Rain
-----------	----------------------------	--	--	--	----------	----------	--	--	----------------------

Cold air remained in place near the ground as a warm front was approaching Eastern Pennsylvania during the early morning of the 30th. Temperatures above the ground were warm enough for precipitation to fall as rain. Unfortunately surface temperatures were still at or below freezing as the precipitation moved into the region between 5 a.m. and 7 a.m. EST. Freezing rain was occurring from the far northern Philadelphia suburbs northward through the Lehigh Valley and the Poconos. The surface low pressure system associated with the warm front was located over the western Great Lakes States. It was too far removed to scour the cold air quickly. It took until around 8 a.m. EST for temperatures to rise above freezing in the northwest Philadelphia suburbs, until around 10 a.m. EST in the Lehigh Valley and close to noon EST in the Poconos. Ice accretions averaged between one tenth and two tenths of an inch. Untreated roadways were very treacherous and accidents occurred. Some of the worst reported accidents were in western Monroe County. A motorist driving along the Chestnuthill and Tunkhannock Township line lost control of the vehicle, cut across three lanes of traffic and slammed into a snowbank. In Effort, a vehicle skidded off a road and came to rest against a tree injuring the driver. Another driver was seriously injured after slamming into a tree on State Route 715 in Chestnuthill Township. Numerous accidents were also reported on State Route 54 along the Carbon/Schuylkill County border.

PENNSYLVANIA, Northeast

PAZ040-044-047>048 **Wayne - Lackawanna - Luzerne - Pike**

20	1700EST				0	0			Heavy Snow
21	1000EST								

Low pressure off the Delmarva Peninsula on the 20th intensified as it moved up the east coast of the United States. The storm was off the southern New England coast around 7 AM on the 21st. Snow moved into the area around 5 PM ahead of the storm. The snow was heavy at times in Pike County from midnight to 6 AM. The snow ended the morning of the 21st. 7 to 9 inches of snow fell in Pike County with 4 to 7 inches in Lackawanna, Luzerne, and Wayne Counties.

PENNSYLVANIA, Northwest

PAZ003 **Crawford**

05	0200EST 1600EST				0	0	40K		Heavy Snow
-----------	----------------------------	--	--	--	----------	----------	------------	--	-------------------

Northwest winds across Lake Erie caused lake effect snow showers to develop during the early morning hours. Although the snow showers persisted through the afternoon hours, most of the accumulating snow fell during the morning. Accumulations across the county ranged from 10 inches at Cambridge Springs to just over 6 inches at both Linesville and Meadville.

PAZ003 **Crawford**

27	0000EST 1200EST				0	0	20K		Heavy Snow
-----------	----------------------------	--	--	--	----------	----------	------------	--	-------------------

Northwest winds across Lake Erie caused lake effect snow showers to develop. Snow accumulations of up to 7 inches were reported.

Storm Data and Unusual Weather Phenomena

January 2001

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

PENNSYLVANIA, West

PAZ021-023-029>032 Allegheny - Indiana - Washington - Westmoreland - Greene - Fayette

20	2100EST				0	0			Heavy Snow
21	0300EST								

An upper-level disturbance passing over east-central Kentucky deepened rapidly during the late afternoon hours of the 20th, producing a several-hour period of heavy snow over southwestern Pennsylvania. County snowfall totals across the area were as follows: Allegheny, 4-6 inches; Fayette, 7-8 inches; Greene, 5-8 inches; Indiana 7-9 inches; Washington, 4-7 inches; Westmoreland 7-11 inches.

Allegheny County

Mc Keesport

31	2055EST				0	0	2M		Flood
	2359EST								

Ice jams moving down the Youghioghny River produced minor flooding from Boston down to the McKeesport area. The movement of the ice itself caused the main problem, as it tore apart and destroyed 210 boat docks at the McKeesport Marina on its way out into the Monongahela River

PUERTO RICO

NONE REPORTED.

RHODE ISLAND

RIZ001>007

Northwest Providence - Southeast Providence - Western Kent - Eastern Kent - Bristol - Washington - Newport

20	2100EST				0	0			Heavy Snow
21	1200EST								

Heavy snow fell across all of Rhode Island. The highest snowfall totals were found in Providence, Bristol, and Newport Counties, where as much as 8 inches of snow were recorded. Since the storm occurred over the weekend, impact on travel was kept to a minimum, but there were still several minor accidents throughout the state. Only a few hundred electric customers were left without power.

Some snowfall totals from the storm include 8 inches in Tiverton, East Providence, Woonsocket, and Johnston; 7 inches in Burrillville, Cranston, Foster, and West Warwick; and 6 inches in Cumberland, Coventry, and North Kingstown.

RIZ001-003

Northwest Providence - Western Kent

30	0600EST				0	0			Freezing Rain
	1000EST								

Freezing rain resulted in dozens of minor accidents in northwest Providence and Western Kent Counties.

SOUTH CAROLINA, Central

Mccormick County

Plum Branch to Parksville

19	1442EST				0	0	0	0	Thunderstorm Wind (G50)
-----------	----------------	--	--	--	----------	----------	----------	----------	--------------------------------

Post Office reported trees down between Plum Branch and Parksville on highway 28.

Edgefield County

Edgefield

19	1507EST				0	0	0	0	Thunderstorm Wind (G50)
-----------	----------------	--	--	--	----------	----------	----------	----------	--------------------------------

Sheriff reported a few trees down in the Edgefield area.

Lexington County

2 S Leesville

19	1522EST				0	0	0	0	Thunderstorm Wind (G50)
-----------	----------------	--	--	--	----------	----------	----------	----------	--------------------------------

Leesville police reported some trees down in the Kneece area.

Saluda County

1 E Saluda

19	1527EST				0	0	0	0	Thunderstorm Wind (G50)
-----------	----------------	--	--	--	----------	----------	----------	----------	--------------------------------

Sheriff reported a couple of trees down.

Lexington County

Chapin

19	1545EST				0	0	0	0	Thunderstorm Wind (G50)
-----------	----------------	--	--	--	----------	----------	----------	----------	--------------------------------

Chapin police reported powerlines down.

Newberry County

5 SE Newberry

19	1545EST				0	0	0	0	Thunderstorm Wind (G55)
-----------	----------------	--	--	--	----------	----------	----------	----------	--------------------------------

Sheriff reported trees down on secondary roads.

Richland County

Columbia

19	1600EST				0	0		0	Thunderstorm Wind (G50)
-----------	----------------	--	--	--	----------	----------	--	----------	--------------------------------

TV stations reported powerlines in Columbia metro area.

Aiken County

Countywide

19	1645EST				0	0		0	Thunderstorm Wind (G60)
	1710EST								

Sheriff reported numerous trees down across the county.

Lexington County

Lexington

19	1658EST				0	0		0	Thunderstorm Wind (G50)
-----------	----------------	--	--	--	----------	----------	--	----------	--------------------------------

Electric company reported small trees and powerlines down in south Lexington area.

Storm Data and Unusual Weather Phenomena

January 2001

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, Central

Richland County

Mc Entire Ang	19	1718EST			0	0	0	0	Thunderstorm Wind (G55)^M
----------------------	----	---------	--	--	---	---	---	---	--

Official obs from MMT showed G55kts at 1718 and was verified by observer.

SOUTH CAROLINA, North Coastal

NONE REPORTED.

SOUTH CAROLINA, Northwest

SCZ010

Anderson

19	2100EST				0	0	15K		Gusty Winds
----	---------	--	--	--	---	---	-----	--	--------------------

Gusty winds and rain-soaked ground caused a large oak tree to give way in the city of Anderson. It fell across a garage and the car inside, resulting in considerable damage.

SOUTH CAROLINA, South Coastal

NONE REPORTED.

SOUTH DAKOTA, Central and North

SDZ036>037-051

Hyde - Hand - Buffalo

13	1700CST				0	0			Heavy Snow
14	0800CST								

Heavy snow of 6 to 9 inches fell across part of central South Dakota from the late afternoon to the early morning hours. Some snowfall amounts included, 6 inches at Lake Sharpe and Miller, 7 inches at Saint Lawrence, 4 NW Gann Valley, and 1 W Highmore, 8 inches at Ree Heights, and 9 inches 22 N of Highmore.

SDZ007>008-011-018>023-033-035>037-045-048-051

Marshall - Roberts - Day - Spink - Clark - Codington - Grant - Hamlin - Deuel - Stanley - Hughes - Hyde - Hand - Jones - Lyman - Buffalo

29	1700CST				0	0			Winter Storm
30	1400CST								

Widespread freezing rain, accumulating from 1/8 to 1/2 inch, changed over to snow late in the evening of the 29th. The snow accumulated from 6 to 12 inches over much of central and northeast South Dakota. The combination of ice and snow caused significant travel problems, school and flight cancellations and delays, business closings, and numerous vehicle accidents. Several highways were closed along with large portions of Interstates 29 and 90. Some snowfall amounts included, 6 inches at Murdo, 14 SSW Hayes, and 8 E of Eden, 7 inches at Castlewood and 5 NE of Peever, 8 inches at Miller, Gann Valley, Iona, Watertown, and 2 NW Stephan. Nine inches of snowfall accumulated 18 S of Harrold with 10 inches at Tulare and Kennebec, 11 inches at Clark and Clear Lake, 12 inches at Carpenter, Willow Lake, and Milbank, and 13 inches at Wilmot.

SOUTH DAKOTA, Southeast

SDZ038-052-057

Beadle - Jerauld - Brule

13	0200CST				0	0			Winter Storm
14	2200CST								

A period of freezing drizzle and light freezing rain lasting about 12 hours was followed by 6 to 9 inches of snow during a 30 hour period.

SDZ038-050-052>053-057>059-063>064

29	1000CST				0	0	120K		Blizzard
30	1600CST								

10 to 20 inches of snowfall combined with winds gusting to around 45 mph to produce widespread blizzard conditions. Visibilities were often near zero, and roads were blocked by the falling and drifting snow. Travel became impossible as many roads were closed to travel, including Interstate 90. Many businesses, government offices, and schools were closed. During the storm, the roof of a dairy barn collapsed north of Mt. Vernon, killing at least 10 cows, injuring several others, and trapping several hundred other cows. Also, the roof of a rural welding business near Cavour collapsed. Several motorists were stranded, including one man trapped alone in his car for a day and a half before being found about 5 miles southwest of Wagner.

SDZ039>040-054>056-060>062-065>071

Kingsbury - Brookings - Miner - Lake - Moody - Hanson - Mccook - Minnehaha - Hutchinson - Turner - Lincoln - Bon Homme - Yankton - Clay - Union

29	1000CST				0	0			Winter Storm
30	1600CST								

A period of freezing rain was followed by snow which accumulated from 5 to 14 inches. Winds gusting up to 40 mph caused blowing and drifting snow, reducing visibilities to a quarter mile or less at times in open areas. Travel became difficult and in some places impossible. Some roads were closed to travel, including Interstate 90. Schools and many businesses were closed.

Storm Data and Unusual Weather Phenomena

January 2001

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

SOUTH DAKOTA, West

SDZ001-013-031>032 Harding - Meade Co. Plains - Pennington Plains - Haakon

04	1239MST				0	0			High Wind (G58) ^M
	1739MST								

A high wind event produced sustained wind speeds of 40 to 47 mph over northwestern South Dakota for several hours during the afternoon. A gust to 58 mph was measured at the Faith ASOS in Meade county.

SDZ049

Tripp

13	1200MST				0	0			Winter Storm
	14 0600MST								

Freezing rain began during the morning of Jan 13 over central South Dakota. Shortly afternoon a mix of rain and snow changed to all snow and began accumulating. By early morning on Jan 14, 12 inches of snow was reported in Colome. Winner reported 8 inches of snow, with the other reports across the county falling in the 8-12 inch range. Northwest winds 20 to 30 mph caused blowing snow which reduced visibility to less than a half mile at times, and drifts several feet deep were reported. Snow falling on icy roads from the freezing rain made driving dangerous. Several minor auto accidents were reported during the evening of Jan 13.

SDZ025

Northern Foot Hills

25	0223MST				0	0			High Wind (G69) ^M
----	---------	--	--	--	---	---	--	--	------------------------------

A cooperative observer measured a non-convective wind gust of 69 mph after midnight on Jan 25th.

SDZ001-031

Harding - Pennington Plains

25	1906MST				0	0			High Wind (G56) ^M
	26 0700MST								

Winds increased through the late afternoon and evening on January 25th and overnight into the early morning of Jan. 26th. Across Harding County winds were sustained at 51 mph with a gust to 56 mph, and the Rapid City airport had sustained winds at 43 mph.

SDZ032-043>044-046>047-049

Haakon - Jackson - Bennett - Mellette - Todd - Tripp

29	0600MST				0	0			Winter Storm
	30 1808MST								

Around sunrise snow began over Tripp County Jan 29. By noon the area of snow covered much of south central South Dakota. Periods of heavy snow occurred during the evening hours of Jan 29. By 4 am MST Jan 30, 6 to 12 inches blanketed most of south central South Dakota, with a majority of reports being in the 8 to 12 inch range. Haakon County, on the far northern and western edge of the heavy snow, had 4 to 7 inches across the county. Combined with the snow, strong northwest winds 25 to 35 mph with gusts to 40 mph produced near blizzard conditions overnight. The winds caused significant blowing and drifting snow. Visibilities were often below 1/2 mile. The morning of Jan 30 snow drifts of 6 to 8 feet were reported across Tripp County, and 3 to 5 foot drifts covered much of the remainder of south central South Dakota. Light snow and flurries persisted through the day Jan 30th as strong winds slowly weakened. Little additional accumulation was noted through the day Jan 30, but blowing and drifting snow continued to cause minor problems into the afternoon.

SDZ001-013>014-026-030>032 Harding - Meade Co. Plains - Ziebach - Central Foot Hills - Custer Plains - Pennington Plains - Haakon

29	2358MST				0	0			High Wind (G66) ^M
	30 1600MST								

A tight surface pressure gradient produced persistent strong winds across northwestern South Dakota from just prior to midnight Jan 29, through the night and most of the day on Jan 30th. Winds were sustained 30 to 40 mph with gusts to over 60 mph were common during the morning hours of Jan 30.

TENNESSEE, Central

TNZ009

Macon

20	2100CST				0	0			Heavy Snow
	21 0800CST								

Pumpkintown in Macon county had 3 inches of snow by 7 AM CST. Snow started to taper off around 8 AM CST.

TENNESSEE, East

TNZ012>018-035>047-067>074-081>087-098>102

Scott - Campbell - Claiborne - Hancock - Hawkins - Sullivan - Johnson - Morgan - Anderson - Union - Grainger - Hamblen - Northwest Coker - Coker/Smoky Mountains - Northwest Greene - Southeast Greene - Washington - Unicoi - Northwest Carter - Southeast Carter - Roane - Loudon - Knox - Jefferson - Northwest Blount - Blount/Smoky Mountains - North Sevier - Sevier/Smoky Mountains - Sequatchie - Bledsoe - Rhea - Meigs - McMinn - Northwest Monroe - Southeast Monroe - Marion - Hamilton - Bradley - West Polk - East Polk

01	0200EST				0	0			Winter Storm
	02 0600EST								

A strong upper level disturbance swept through the Tennessee Valley and southern Appalachians bringing a round of light snow to the area. Amounts were generally 1/2 inch to 2 inches. There were a few isolated reports of 3 inches, mainly near the mountains.

Storm Data and Unusual Weather Phenomena

January 2001

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

TENNESSEE, East

TNZ012>018-035>047-067>074-081>087-098>102
Scott - Campbell - Claiborne - Hancock - Hawkins - Sullivan - Johnson - Morgan - Anderson - Union - Grainger - Hamblen - Northwest Coker - Coker/Smoky Mountains - Northwest Greene - Southeast Greene - Washington - Unicoi - Northwest Carter - Southeast Carter - Roane - Loudon - Knox - Jefferson - Northwest Blount - Blount/Smoky Mountains - North Sevier - Sevier/Smoky Mountains - Sequatchie - Bledsoe - Rhea - Meigs - McMinn - Northwest Monroe - Southeast Monroe - Marion - Hamilton - Bradley - West Polk - East Polk

20	0300EST								
	2300EST			0	0				Winter Storm

Low pressure moved northeast across the southern Appalachians, bringing light snow to the region. 1 to 3 inches fell in the higher elevations of the mountain counties from Johnson County in the northeast to Monroe County in the southeast. A few spots received around 4 inches. Across the remainder of East Tennessee, amounts were under 1 inch.

TNZ043

Southeast Greene

29	1800EST								
				0	0	2K			High Wind

A strong upper level storm system moved east through the southern Appalachians, creating strong pressure gradient winds from the south. These winds were responsible for ripping a roof off a mobile home in the Cedar Creek community, about 10 miles southwest of Greenville. The wind took part of the roof and carried it to a field some distance away.

TENNESSEE, West

NONE REPORTED.

TEXAS, Central

NONE REPORTED.

TEXAS, Central Southeast

Montgomery County

Countywide	29	0256CST							
		0315CST			0	0	25K		Thunderstorm Wind

Trees down between Porter and Magnolia and between Magnolia and Montgomery.

Harris County

Spring	29	0345CST							
					0	0	20K		Thunderstorm Wind

Carport blown off in Spring. Roof and medical equipment damaged at commercial building in Edgebrook Landing.

Polk County

5 E Segno	29	0400CST							
					0	0	15K		Thunderstorm Wind

Trees down at FM 1276 and FM 943 near Big Sandy.

Montgomery County

Porter	29	0407CST							
		0420CST			0	0	25K		Thunderstorm Wind

Power lines and traffic signals down in Porter.

Liberty County

Hull	29	0430CST							
					0	0	20K		Thunderstorm Wind

Trees down on power lines in Hull.

Liberty County

Daisetta	29	0507CST							
					0	0	15K		Thunderstorm Wind

Trees down in Daisetta.

TEXAS, Extreme West

NONE REPORTED.

TEXAS, Mid - South

NONE REPORTED.

TEXAS, North

TXZ091>095-098>107-115>123-129>135-141>148-156>162-174>175
Montague - Cooke - Grayson - Fannin - Lamar - Haskell - Throckmorton - Young - Jack - Wise - Denton - Collin - Hunt - Delta - Hopkins - Stephens - Palo Pinto - Parker - Tarrant - Dallas - Rockwall - Kaufman - Van Zandt - Rains - Eastland - Erath - Hood - Somervell - Johnson - Ellis - Henderson - Comanche - Mills - Hamilton - Bosque - Hill - Navarro - Freestone - Anderson - Lampasas - Coryell - Bell - McLennan - Falls - Limestone - Leon - Milam - Robertson

01	0000CST								
05	2359CST			0	0				Heavy Snow

The heavy snow that fell on Dec 31st lingered for several days keeping parts of Interstate 20 near Ranger closed until the morning of the 5th.

Storm Data and Unusual Weather Phenomena

January 2001

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

TEXAS, North

**TXZ091>092-
100>102-115>117-
129>131-141>143-157** **Montague - Cooke - Young - Jack - Wise - Stephens - Palo Pinto - Parker - Eastland - Erath - Hood - Comanche - Mills - Hamilton - Coryell**

18	0000CST								
	2359CST			0	0				Winter Storm

Freezing rain and sleet fell across western parts of north Texas generally west of a line from Gainesville to Weatherford to Granbury to Evant. Up to 2 inches of snow was reported in some areas along with icing on bridges and overpasses. Several accidents occurred due to the icy bridges and overpasses near Eastland.

TEXAS, North Panhandle

**TXZ001>003-
006>008-011>013** **Dallam - Sherman - Hansford - Hartley - Moore - Hutchinson - Oldham - Potter - Carson**

16	0525CST								
	0600CST			0	0				Heavy Snow

A strong storm system in the upper atmosphere developed over the southwestern U.S. and then moved northeast affecting the northern...central and western sections of the Texas panhandle. Heavy snow fell across this area with amounts ranging from five to seven inches most locations to between eight and ten inches in the northwestern sections of the Texas panhandle.

**TXZ001>008-
011>012-016>017** **Dallam - Sherman - Hansford - Ochiltree - Lipscomb - Hartley - Moore - Hutchinson - Oldham - Potter - Deaf Smith - Randall**

27	1200CST								
	1800CST			0	0				Heavy Snow

Roberts - Hemphill - Carson - Gray - Wheeler - Armstrong - Donley - Collingsworth

**TXZ009>010-
013>015-018>020**

27	1200CST								
	1800CST			0	0				Winter Storm

A strong storm system in the upper atmosphere moved eastward across the southern Rockies and into the Texas panhandle. This storm system produced a layer of ice...followed by heavy snowfall across the western and central sections of the Texas panhandle while significant accumulations of sleet and freezing rain fell over the eastern and southeastern sections along with some snowfall. The heavy snowfall amounts ranged from six to nine inches in the western and central Texas panhandle to between eight and twelve inches across the northern sections. The eastern and southeastern sections of the Texas panhandle picked up between one quarter and one inch of sleet and ice along with two to four inches of snow. Some roads and highways were closed because of the accumulations of ice and snow and several accidents were reported with only minor injuries.

TEXAS, Northeast

Camp County

1 N Pittsburg	29	0230CST							
			0	0	6K				Thunderstorm Wind (G65)

Roof was blown off a storage building.

Morris County

1 N Daingerfield to Daingerfield	29	0245CST							
			0	0					Thunderstorm Wind (G70)

Numerous trees and powerlines were toppled along FM130.

Morris County

1 N Daingerfield	29	0245CST							
			0	0					Hail (0.75)

TEXAS, South

TXZ248>255 **Zapata - Jim Hogg - Brooks - Kenedy - Starr - Hidalgo - Willacy - Cameron**

01	0000CST								
	0000CST			0	0				Drought

The United States Department of Agriculture-Farm Service Agency, received a Presidential Disaster Declaration in December of 2000. This declaration was issued for the persistent drought which included the remaining 6 counties of deep south Texas, specifically, Brooks, Jim Hogg, Cameron, Hidalgo, Willacy, and Kenedy counties. Both Zapata and Starr counties received declarations in August of 2000. The dollar figures of damages for this declaration will be available very soon.

Monthly rainfall departures averaged about a half to an inch below normal in January 2001, the first month of the new year. Lack of beneficial rainfall continued to keep all of deep south Texas in a moderate to severe drought. Storage at Falcon reservoir is 46 feet below conservation level, and 37 feet below conservation at Lake Amistad.

TEXAS, South Central

NONE REPORTED.

TEXAS, South Panhandle

TXZ021>044 **Parmer - Castro - Swisher - Briscoe - Hall - Childress - Bailey - Lamb - Hale - Floyd - Motley - Cottle - Cochran - Hockley - Lubbock - Crosby - Dickens - King - Yoakum - Terry - Lynn - Garza - Kent - Stonewall**

27	1000CST								
	1200CST			0	0	250K			Winter Storm

A strong upper level low pressure system moved from California into the Southern Rockies on the 27th. Cold air spread into West

Storm Data and Unusual Weather Phenomena

January 2001

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

TEXAS, South Panhandle

Texas ahead of this system and the stage was set for the development of precipitation as warm and moist air was drawn up over the shallow cold air that was in place in the lowest several thousand feet of the atmosphere. The precipitation began as freezing rain early on the 27th and by late afternoon had resulted in a heavy glaze on exposed surfaces. The freezing rain changed to snow over the northwestern South Plains and extreme southwestern Panhandle during the night as the cold air slowly deepened. This region received between four and eight inches of snow on top of the one quarter inch of ice before the event ended early on the 28th.

The freezing rain continued across the remainder of the South Plains, extreme southern Panhandle, and Rolling Plains into the morning hours of the 28th. Between one quarter of an inch and an inch of glaze accumulated on exposed surfaces over much of this region. The precipitation finally changed to snow before it ended with one to three inches accumulating on top of the heavy glaze. Some brief power outages were reported as heavy ice brought down power poles, power lines, and trees.

TEXAS, Southeast

Jasper County

Jasper	29	0518CST			0	0	5K		Thunderstorm Wind
--------	----	---------	--	--	---	---	----	--	-------------------

Trees were blown down on Hopkins Drive in Jasper.

Jasper County

Evadale	29	0545CST			0	0	5K		Thunderstorm Wind
---------	----	---------	--	--	---	---	----	--	-------------------

Trees were blown down on Jones Road in Evadale.

Newton County

Burkeville	29	0603CST			0	0	5K		Thunderstorm Wind
------------	----	---------	--	--	---	---	----	--	-------------------

Trees were blown down across Highway 87 and 692 near Burkeville.

TEXAS, West

NONE REPORTED.

TEXAS, Western North

TXZ083>090

Hardeman - Foard - Wilbarger - Wichita - Knox - Baylor - Archer - Clay

11	0100CST				0	0			Fog
----	---------	--	--	--	---	---	--	--	-----

1000CST

Fog and slick roads developed during the overnight hours of the 11th and continued through the morning. Visibilities were occasionally reduced to less than 1/2 mile, while temperatures remained close to freezing in most areas.

TXZ083-085>086-089>090

Hardeman - Wilbarger - Wichita - Archer - Clay

12	0500CST				0	0			Fog
----	---------	--	--	--	---	---	--	--	-----

1400CST

Dense fog, with visibilities reduced to less than one quarter of a mile, developed during the early morning of the 12th and continued through early afternoon.

UTAH, East

UTZ028>029

La Sal & Abajo Mountains - Canyonlands / Natural Bridges

11	1535MST				0	0			Winter Storm
----	---------	--	--	--	---	---	--	--	--------------

13 0430MST

A strong Pacific storm system brought widespread snow to southeast Utah. Snowfall amounts across the lower elevations varied from 3 to 6 inches, with 6 to 12 inches over the La Sal and Abajo Mountains.

UTZ028

La Sal & Abajo Mountains

24	1530MST				0	0			Winter Storm
----	---------	--	--	--	---	---	--	--	--------------

25 0800MST

A vigorous Pacific storm system brought heavy snow to the La Sal and Abajo Mountains in southeast Utah. Up to six inches of snow was reported over the mountains. In addition, a peak wind gust of 76 mph was recorded by an automated wind sensor in the La Sal Mountains.

UTZ022-028>029

Southeast Utah - La Sal & Abajo Mountains - Canyonlands / Natural Bridges

26	2030MST				0	0			Winter Storm
----	---------	--	--	--	---	---	--	--	--------------

28 0800MST

A powerful winter storm brought widespread heavy snowfall to much of southeast Utah. Accumulations of 6 to 12 inches were reported over the La Sal and Abajo Mountains. Areas between the 5500 foot level and the 6500 foot level in southeast Utah saw accumulations in excess of 5 inches, with 7 inches reported at Natural Bridges and 10 inches at Blanding. Elevations below 5500 feet received 2 to 5 inches of snow.

UTAH, West and Central

UTZ017

Central And Southwest Mountains

11	1500MST				0	0	0	0	Heavy Snow
----	---------	--	--	--	---	---	---	---	------------

12 1200MST

A snowstorm blanketed the higher elevations of Southern and Eastern Utah with a healthy dose of snow. Some of the totals included 23 inches at Brian Head, 16 inches in Koosharem, 12 inches in Boulder, 11 inches in Escalante, and 10 inches in Pinto Junction and Ferron.

Storm Data and Unusual Weather Phenomena

January 2001

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

UTAH, West and Central

UTZ008-017	Wasatch Mountains South Of I80 - Central And Southwest Mountains								
	14	0200MST			0	0	0	0	Heavy Snow
	15	1800MST							
	Another decent shot of snow for the mountains, especially in the south. Brian Head picked up another 11 inches, with Alta reporting 10 inches of powder and Solitude 9 inches. Kanab also picked up a hefty 8 inches of snow.								
UTZ002	Northern Wasatch Front/Brigham City/Ogden Bountiful								
	16	0200MST			0	0	0	0	High Wind (G52) ^M
		0800MST							
	Canyon winds developed overnight across mainly Davis County. The strongest gust reported was 60mph (52kts) on the Bountiful bench. Centerville also logged a gust of 58mph (50kts).								
UTZ002>003-007>008-017	Northern Wasatch Front/Brigham City/Ogden Bountiful - Salt Lake And Toole Valleys - Wasatch Mountains								
	24	2100MST			0	0	0	0	Heavy Snow
	25	1800MST							
	The Wasatch Front was hit by a "commuter special" as an overnight snowstorm continued into the day, with the heaviest snow falling around morning drive time. The northern mountains picked up 12-18 inches of the "Greatest Snow on Earth", while 4-8 inches fell over the northern valleys and bench areas. Down south, Brian Head managed to pick up 13 inches of fresh powder.								
UTZ017	Central And Southwest Mountains								
	26	1200MST			0	0	0	0	Heavy Snow
	28	0600MST							
	A large storm brought more snow to Southern Utah. Torrey and Teasdale picked up a foot of snow, with Capitol Reef NP reporting 11 inches, and Brian Head checking in with 10 inches.								
UTZ002>003	Northern Wasatch Front/Brigham City/Ogden Bountiful - Salt Lake And Toole Valleys								
	28	0030MST			0	0	0	0	High Wind (G55) ^M
		1200MST							
	Canyon winds kicked up once again along the Wasatch Front, with gusts of 50-60 mph common from Salt Lake City north to Ogden. Centerville clocked a gust of 64mph (55kts), while the Salt Lake Foothill area recorded a gust to 60mph (52kts). Bountiful had a gust to 57mph (50kts) and Southeast Ogden 56mph (49kts).								
UTZ008-017	Wasatch Mountains South Of I80 - Central And Southwest Mountains								
	29	1000MST			0	0	0	0	Heavy Snow
	30	1200MST							
	Another storm brought more snow to Utah's Ski Resorts, with the heaviest snow across the south again. Brian Head reported 23 inches of fresh powder. Up north, Snowbird received 14 inches, Alta 11 inches, and Brighton picked up 6 inches.								

VERMONT, North and Central

VTZ002>004-006>007-010	Franklin - Orleans - Essex - Lamoille - Caledonia - Orange								
	15	1000EST			0	0	6K		Light Snow
	16	1800EST							
	A weak but complex area of low pressure and frontal boundaries resulted in light snow across much of Vermont...but especially the north portion. Snowfall was generally around 4 inches. A few reports included 4 inches at Mt Mansfield (Lamoille county) and Sutton (Caledonia county) with 3.2 inches in Worcester (Washington county).								
VTZ003>004-006>008	Orleans - Essex - Lamoille - Caledonia - Washington								
	19	1000EST			0	0	5K		Light Snow
		2200EST							
	A cold front moved across the area triggering light snow. Accumulations were generally 3 to 5 inches. However, there was a local report of 8 inches at Jay Peak (Orleans county) due to upslope. A few other reports were Eden (Lamoille county) with 4.5 inches...Island Pond (Essex county) with 3.5 inches...and 3.2 inches in Worcester (Washington county).								
VTZ001>002-005-009	Grand Isle - Franklin - Chittenden - Addison								
	30	1000EST			0	0	4K		Mixed Precipitation
		2200EST							
	A large sprawling area of low pressure over the Great Lakes region spread moisture across the area. The low level temperatures were at or below freezing. Thus there was a mixture of light freezing rain, snow and sleet. Roads were reported as slippery by Vermont State Police.								
VTZ003>004-006>008-010-012	Orleans - Essex - Lamoille - Caledonia - Washington - Orange - Windsor								
	30	1000EST			0	0	7K		Mixed Precipitation
		2200EST							
	A large sprawling area of low pressure over the Great Lakes region spread moisture across the area. The low level temperatures were at or below freezing. Thus there was a mixture of light freezing rain, snow and sleet. Roads were reported as slippery by Vermont State Police and weather spotters. Up to 1/4 inch of ice accumulated in Bethel, Vt (Windsor county) with icing reported in Groton (Caledonia county) and Springfield (Windsor county) areas. In Sutton (Caledonia county) about 3.5 inches of snow fell along with								

Storm Data and Unusual Weather Phenomena

January 2001

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

VERMONT, North and Central

some freezing rain.

VTZ002>009	Franklin - Orleans - Essex - Chittenden - Lamoille - Caledonia - Washington - Addison								
	31	1000EST 2000EST			0	0	8K		Light Snow

An area of low pressure moved from the Great Lakes region along a frontal boundary through northern New England Wednesday afternoon and evening, January 31. Snowfall was generally 3 to 6 inches with slippery roads reported. A few snowfall reports included: Jericho (Chittenden county) with 5 1/2 inches...Sheldon Springs (Franklin county) with 5 inches and Montpelier (Washington county) with 4 inches.

VERMONT, South

NONE REPORTED.

VIRGIN ISLANDS

St. Thomas/St. John & Islands County

St. John	10	0810AST 0820AST			0	0			Waterspout
----------	----	--------------------	--	--	---	---	--	--	-------------------

Virgin Island Radio reported a waterspout south of St. John.

St. Croix County

St. Croix	12	1340AST 1345AST			1	1			Rip Currents
-----------	----	--------------------	--	--	---	---	--	--	---------------------

A person drowned when he was pulled underwater along with another student by a rip tide during a water safety class with nine other students. The other swimmer managed to swim out of the strong current but suffered lacerations. M18IW

St. Thomas/St. John & Islands County

St. Thomas	13	1610AST 1620AST			0	0			Funnel Cloud
------------	----	--------------------	--	--	---	---	--	--	---------------------

Virgin Island radio reported a funnel cloud about three miles south of St. Thomas.

VIRGINIA, East

NONE REPORTED.

VIRGINIA, Extreme Southwest

VAZ001>002-005>006-008	Lee - Wise - Scott - Russell - Washington								
	01	0300EST			0	0			Winter Storm
	02	0600EST							

A strong upper level disturbance swept through the Tennessee Valley and southern Appalachians bringing a round of light snow to the area. Amounts were generally 1 to 3 inches.

VAZ001>002-005>006-008

VAZ001>002-005>006-008	Lee - Wise - Scott - Russell - Washington								
	20	0400EST 2300EST			0	0			Winter Storm

Low pressure moved northeast across the southern Appalachians, bringing light snow to the region. Amounts averaged 1 to 2 inches.

VIRGINIA, North

VAZ027>028-030>031-041>042-052>053	Shenandoah - Frederick - Warren - Clarke - Fauquier - Loudoun - Prince William - Fairfax								
	05	0500EST 1600EST			0	0			Winter Weather

Two bands of light snow moved across the region during the morning and early afternoon of the 5th. By 4 PM, 1 to 3 inches of snow had accumulated across extreme northern Virginia. Several minor traffic accidents were reported after snow stuck to roads.

VAZ021-025>027-029-052-054

VAZ021-025>027-029-052-054	Highland - Augusta - Rockingham - Shenandoah - Page - Prince William - Arlington								
	20	1200EST			0	0			Winter Weather
	21	1200EST							

VAZ028-030>031-040>042-053

VAZ028-030>031-040>042-053	Frederick - Warren - Clarke - Rappahannock - Fauquier - Loudoun - Fairfax								
	20	1200EST			0	0			Winter Storm
	21	1200EST							

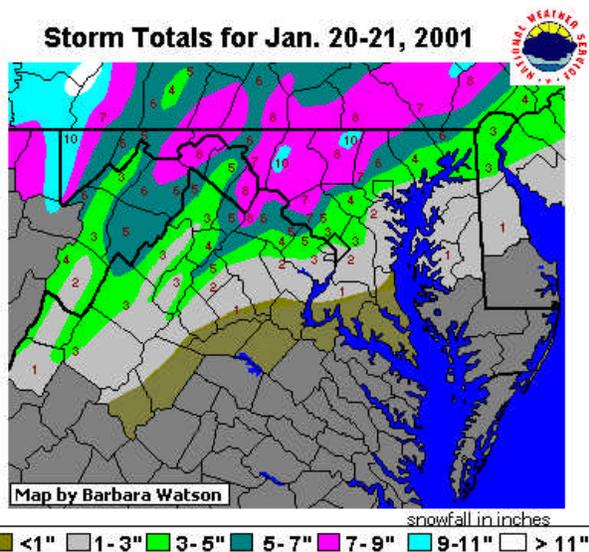
Storm Data and Unusual Weather Phenomena

January 2001

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

VIRGINIA, North

Storm Totals for Jan. 20-21, 2001



Regional Storm Total Snowfall Map from January 20th and 21st, 2001.

A complex low pressure system moved across the Mid-Atlantic region on the 20th and 21st and brought a mixed bag of precipitation. Across the central and northern Piedmont, the precipitation fell mainly as rain but mixed with freezing rain, sleet and light snow on the 21st. Little if any accumulation was reported. Elsewhere across the northern third of Virginia, rain fell through the afternoon of the 20th but changed over to sleet and snow from west to east during the evening. Snowfall continued overnight and ended between 4 AM and noon on the 21st. Snowfall accumulations ranged from 2 to 4 inches across the Shenandoah Valley, 3 to 6 inches near the Blue Ridge and Catoctin mountain ranges, and 1 to 3 inches elsewhere. Isolated reports of thundersnow and snow accumulation rates of one inch per hour were received. The snow and sleet caused area roads to become slippery and several traffic accidents were reported, including one incident where a man was killed on Interstate 81. Gusty northwest winds blew during the afternoon of the 21st which caused wind chills to dip to near zero and blew some snow back onto freshly plowed roads. Wind gusts included 43 MPH at Dulles International Airport and 45 MPH at Washington Reagan National Airport.

VAZ021-027>031-040>042-052>054

Highland - Shenandoah - Frederick - Page - Warren - Clarke - Rappahannock - Fauquier - Loudoun - Prince William - Fairfax - Arlington

	27	0700EST 2000EST	0	0	Strong Wind
--	----	--------------------	---	---	--------------------

A strong cold front moved across the region during the morning of the 27th. The front ushered in gusty northwest winds which remained over the region through the evening. Recorded wind gusts included 41 MPH in Centreville in Fairfax County, 43 MPH at Woodstock in Shenandoah County and at Dulles International Airport, and 45 MPH at Leesburg in Loudoun County and at Washington Reagan National Airport.

VIRGINIA, Northwest

Buchanan County

	18	0600EST	0	0	Heavy Rain
	19	1500EST			

Dickenson County

	18	0600EST	0	0	Heavy Rain
	19	1500EST			

A prolonged rain deposited 2 to 2.5 inches of rain, before changing to snow late on the 19th. Breaks Interstate Park had a total of 2.5 inches, Clintwood 2.3 inches, Hurley 2.2 inches, and Grundy 2.1 inches. Prior to this event, the ground was dry and the streams were low. Streams did get swift and muddy, but rose only to near bankfull in spots.

VIRGINIA, Southwest

Floyd County

	08	0600EST 1130EST	0	0	Snow
--	----	--------------------	---	---	-------------

Snow accumulated 2 to 4 inches during the morning of the 8th. Numerous accidents with minor injuries were reported in Floyd County, on snow and ice covered roads.

VAZ016-034

Carroll - Bedford

	10	0030EST 0600EST	0	0	410K High Wind (G65)
--	----	--------------------	---	---	----------------------------------

High winds during the morning of the 10th produced damage in Bedford and Carroll counties.

Storm Data and Unusual Weather Phenomena

January 2001

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

WEST VIRGINIA, East

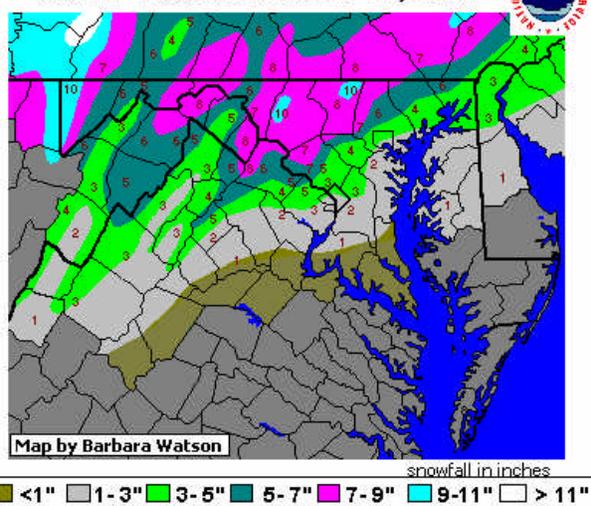
Light snow fell across the eastern panhandle during the morning and early afternoon of the 8th. Grant, Mineral, and Hampshire counties reported accumulations between 2 and 3 inches, 1.5 inches was reported in Pendleton County, and less than an inch accumulated elsewhere.

WVZ048-050>053-055

Grant - Hampshire - Morgan - Berkeley - Jefferson - Hardy

20	1200EST								
21	1200EST				0	0			Winter Storm

Storm Totals for Jan. 20-21, 2001



Regional Storm Total Snowfall Map for January 20th and 21st, 2001

WVZ049-054

Mineral - Pendleton

20	1200EST								
21	1200EST				0	0			Winter Weather

A complex low pressure system moved across the Mid-Atlantic region on the 20th and 21st and brought a mixed bag of precipitation. Rain fell through the afternoon of the 20th but changed over to sleet and snow during the evening hours. Snowfall continued overnight and ended between 4 and 8 AM on the 21st. Thundersnow was reported by a weather observer at Inwood in Berkeley County. The heaviest snow fell across Hardy, Hampshire, Morgan, Berkeley, and Jefferson counties where 5 to 8 inches was reported. A total of 2 to 4 inches was measured elsewhere. The only exception was at Bayard in Grant County along the Allegheny Front which received a total of 8 inches. The snow and sleet caused area roads to become slippery and several traffic accidents were reported. Gusty northwest winds blew through the region during the afternoon of the 21st which caused wind chills to dip to near zero and blew some snow back onto freshly plowed roads. A wind gust of 44 MPH was recorded at the Martinsburg Airport.

WVZ048

Grant

27	0400EST								
	2000EST				0	0			Winter Weather

WVZ048>055

Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson - Pendleton - Hardy

27	0700EST								
	2000EST				0	0			Strong Wind

A strong cold front moved across the region during the morning of the 27th. The front ushered in gusty northwest winds which remained over the region through the evening. A wind gust of 43 MPH was reported at the Martinsburg Airport. Wind gusts in excess of 50 MPH were likely in the highest elevations along the Allegheny Front. Lake effect snow also fell along the ridge tops. A total of 6.2 inches of snow was recorded at Bayard in extreme northwest Grant County between 4 AM and 8 PM. Only flurries fell east of the ridges.

WEST VIRGINIA, North

WVZ041

Tucker

19	0600EST								
20	1200EST				0	0			Winter Storm

An area of low pressure moving up the Appalachians spread a mix of sleet, freezing rain and snow across portions of northern West Virginia. Freezing rain turned out to be the main problem from this storm, as several locations across Tucker County reported ice accumulations of around ¼ inch by the early morning hours of the 19th. Additional snowfall of a few inches through the morning of the 20th produced numerous travel problems across the county.

Storm Data and Unusual Weather Phenomena

January 2001

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

WEST VIRGINIA, North

WVZ002>004-012-021>023-041 **Brooke - Ohio - Marshall - Wetzel - Marion - Monongalia - Preston - Tucker**

	20	2000EST			0	0			Heavy Snow
	21	0200EST							

An upper-level disturbance passing over east-central Kentucky deepened rapidly during the late afternoon hours of the 20th, producing a several-hour period of heavy snow over northern West Virginia. Snowfall totals across most of the area were generally in the 5 to 7 inch range. However, across the mountainous counties of Preston and Tucker, between 7 and 10 inches of snow were reported, with the highest amounts found over the ridge tops.

WVZ023-041

Preston - Tucker

	27	1300EST			0	0			Winter Storm
		1600EST							

A winter storm moving across the area brought between 3 and 6 inches of snow to Preston County, and between 6 and 8 inches to Tucker County. The higher accumulation totals were found over the ridgetops of both counties. Winds gusting to around 50 MPH compounded the problem, making travel difficult across the area.

Marshall County

Countywide

	30	1400EST			0	0			Flood
	31	2200EST							

Ice jams on Fish Creek forced water onto a stretch of County Road 74 from Lynn Camp to near Graysville. In the Moundsville area, ice jams on Big Grave and Middle Grave Creeks also produced some minor roadway flooding, especially along County Road 34. Ice jams on Big Wheeling and Turkey Run Creeks produced some minor roadway flooding near Viola.

WEST VIRGINIA, Southeast

NONE REPORTED.

WEST VIRGINIA, West

WVZ038>040-046>047 **Webster - Upshur - Barbour - Pocahontas - Randolph**

	03	0000EST			0	0			Extreme Cold
		0900EST							

Valley locations had dawn minimum temperatures of zero to 10 below zero. Belington and the airport at Elkins both registered 8 below zero. Buckhannon recorded a temperature of minus 5.

Boone County

Countywide

	18	0400EST			0	0			Heavy Rain
	19	1500EST							

Cabell County

Countywide

	18	0400EST			0	0			Heavy Rain
	19	1500EST							

Clay County

Countywide

	18	0400EST			0	0			Heavy Rain
	19	1500EST							

Fayette County

Countywide

	18	0400EST			0	0			Heavy Rain
	19	1500EST							

Kanawha County

Countywide

	18	0400EST			0	0			Heavy Rain
	19	1500EST							

Lincoln County

Countywide

	18	0400EST			0	0			Heavy Rain
	19	1500EST							

Logan County

Countywide

	18	0400EST			0	0			Heavy Rain
	19	1500EST							

Mcdowell County

Countywide

	18	0400EST			0	0			Heavy Rain
	19	1500EST							

Mingo County

Countywide

	18	0400EST			0	0			Heavy Rain
	19	1500EST							

Putnam County

Countywide

	18	0400EST			0	0			Heavy Rain
	19	1500EST							

Storm Data and Unusual Weather Phenomena

January 2001

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, West

Raleigh County

Countywide	18	0400EST			0	0			Heavy Rain
	19	1500EST							

Wayne County

Countywide	18	0400EST			0	0			Heavy Rain
	19	1500EST							

Wyoming County

Countywide	18	0400EST			0	0			Heavy Rain
	19	1500EST							

The first widespread precipitation event in a month, resulted in rains of 1 to 1.5 inches across southern counties. The rain eventually changed to light snow during the afternoon and evening of the 19th.

WVZ037>040- 046>047

Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph

	20	0500EST			0	0			Heavy Snow
	21	0200EST							

The first significant storm in a month, first deposited three quarters to an inch of rain on Friday, the 19th. Colder air moved slowly east, during Friday night. The lingering rain changed to snow before dawn on Saturday, the 20th. The associated upper air disturbance enhanced the snow showers late Saturday afternoon and evening. The total snow accumulation was 4 to 10 inches. A few specific accumulations included 10 inches near Webster Springs, and 8 inches from Hacker Valley, Philippi, and Pickens. Buckhannon, Birch River, Camden on Gauley, and Kumbrow State Forest all measured a 7 inch accumulation, while Mount Nebo and Snowshoe had 6 inches. The Tygart River Valley saw around 4 inches.

Barbour County

Countywide	29	2000EST			0	0			Heavy Rain
	30	1200EST							

Braxton County

Countywide	29	2000EST			0	0			Heavy Rain
	30	1200EST							

Harrison County

Countywide	29	2000EST			0	0			Heavy Rain
	30	1200EST							

Lewis County

Countywide	29	2000EST			0	0			Heavy Rain
	30	1200EST							

Nicholas County

Countywide	29	2000EST			0	0			Heavy Rain
	30	1200EST							

Pocahontas County

Countywide	29	2000EST			0	0			Heavy Rain
	30	1200EST							

Randolph County

Countywide	29	2000EST			0	0			Heavy Rain
	30	1200EST							

Taylor County

Countywide	29	2000EST			0	0			Heavy Rain
	30	1200EST							

Upshur County

Countywide	29	2000EST			0	0			Heavy Rain
	30	1200EST							

Webster County

Countywide	29	2000EST			0	0			Heavy Rain
	30	1200EST							

Rains of around an inch fell. The rain combined with some snow melt to cause a strong rise on headwater rivers. However, no flooding occurred. The West Fork and Tygart Valley Rivers crested around three quarter bankfull during the night of the 30th into the 31st.

WISCONSIN, Extreme Southwest

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

January 2001

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

WISCONSIN, Northeast

WIZ005-010>013-018>021-030>031 Vilas - Oneida - Forest - Florence - Marinette - Lincoln - Langlade - Menominee - Oconto - Marathon - Shawano

29	1800CST				0	0			Ice Storm
30	0100CST								

Strong southerly flow ahead of a surface low pressure system pulled warm and moist air northward from the Gulf of Mexico. A significant band of precipitation moved through Wisconsin from south to north. Easterly flow at low levels kept temperatures in northeast, north central and parts of central Wisconsin below freezing resulting in freezing rain and ice accumulations of 1/4 inch.

WISCONSIN, Northwest

WIZ004 Iron

07	0500CST				0	0			Heavy Snow
	1200CST								

Heavy lake effect snow resulted in accumulations up to 8 inches in northern Iron County.

WIZ004 Iron

18	2130CST				0	0			Heavy Snow
19	0400CST								

Heavy lake effect snow resulted in accumulations up to 10 inches in northern Iron County.

WIZ004 Iron

23	2200CST				0	0			Heavy Snow
24	0700CST								

Heavy lake effect snow resulted in accumulations up to 8 inches in northern Iron County.

WIZ002>004 Bayfield - Ashland - Iron

26	0400CST				0	0			Heavy Snow
	2300CST								

Heavy lake effect snow fell along the south shore of Lake Superior. Some of the higher amounts were 6 inches in Cornucopia, 9 inches in Mellen, and 10 inches in Hurley.

WIZ001>004-006>009 Douglas - Bayfield - Ashland - Iron - Burnett - Washburn - Sawyer - Price

29	2100CST				0	0			Ice Storm
30	0400CST								

Freezing rain resulted in 1/4 to 1/2 inch of ice on exposed surfaces. The ice was followed by 1 to 4 inches of snow, making driving very treacherous. Most schools were closed on January 30th.

WISCONSIN, Southeast

WIZ046-056>058-063>064-069>070 Marquette - Sauk - Columbia - Dodge - Dane - Jefferson - Rock - Walworth

12	0500CST				0	0			Fog
	1100CST								

Dense fog developed during the early morning hours thanks to some snowmelt the day before, light winds, and a cloud cover that broke up. Visibilities were reduced to 1/8 to 1/4 mile. Commuters were forced to drive slowly, but there were still about 2 dozen vehicle accidents. Several schools delayed the start of classes by a couple hours, and many airplane arrivals and departures were delayed.

WIZ056-062-067>068 Sauk - Iowa - Lafayette - Green

12	1900CST				0	0			Fog
13	0300CST								

Dense fog developed during the evening hours thanks to some snowmelt during the daylight hours, the day before, light winds, and mostly clear skies. Visibilities were reduced to 1/8 to 1/4 mile. Commuters were forced to drive slowly, but there were still about a dozen vehicle accidents.

WIZ062-067>069 Iowa - Lafayette - Green - Rock

14	1300CST				0	0			Fog
	2100CST								

Dense fog developed during the early afternoon hours thanks to some snowmelt, preceding light rain, and light southeast winds. Visibilities were reduced to 1/8 to 1/4 mile. Commuters were forced to drive slowly, but there were still about a dozen vehicle accidents. Several airplane arrivals and departures were delayed.

WIZ052-060 Sheboygan - Ozaukee

14	1400CST				0	0			Fog
	2359CST								

Dense fog developed during the afternoon hours thanks to some snowmelt during the day, preceding light rain, and light southeast winds. Visibilities were reduced to 1/8 to 1/4 mile. Commuters were forced to drive slowly, but there were still about a half dozen vehicle accidents.

WIZ056>059-063>066 Sauk - Columbia - Dodge - Washington - Dane - Jefferson - Waukesha - Milwaukee

14	1700CST				0	0			Fog
	2100CST								

Dense fog developed during the late afternoon hours thanks to some snowmelt, preceding light rain, and light southeast winds. Visibilities were reduced to 1/8 to 1/4 mile. Commuters were forced to drive slowly, but there were still about 2 dozen vehicle

Storm Data and Unusual Weather Phenomena

January 2001

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

WISCONSIN, Southeast

accidents. Many airplane arrivals and departures were delayed.

WISCONSIN, Southwest

WIZ017-029-032>034 Taylor - Clark - Buffalo - Trempealeau - Jackson

29	1600CST	0	0	Ice Storm
30	0330CST			

Freezing rain created a glaze of ice 1/4 to 1/2 inch thick, especially on sidewalks and secondary roads. Only a few automobile accidents were reported, none of which were serious.

WISCONSIN, West

WIZ014>016-023>028 Polk - Barron - Rusk - St. Croix - Pierce - Dunn - Pepin - Chippewa - Eau Claire

29	1900CST	0	0	Winter Storm
30	0700CST			

A powerful storm system in western Missouri tracked north into Iowa by late in the evening on the 29th. It then headed east into central Illinois by late afternoon on the 30th. A widespread area of freezing rain, sleet and or snow fell across all of West central Wisconsin. Total ice accumulations ranged from approximately one quarter of an inch to almost three quarters of an inch (northeastern Pierce county). Numerous tree limbs, and power lines damaged or down due to ice accumulation across the region.

WYOMING, Central and West

WYZ022-024 Rock Springs/Green River - Flaming Gorge

28	0200MST 1215MST	0	0	Heavy Snow
----	--------------------	---	---	-------------------

Moderate to heavy snow event with accumulations ranging between 6 and 8 inches with an isolated unofficial report of 14 to 15 inches.

WYOMING, Extreme Southwest

NONE REPORTED.

WYOMING, North Central

NONE REPORTED.

WYOMING, Northeast

NONE REPORTED.

WYOMING, Southeast

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

April 1996

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

ADDITIONS/CORRECTIONS

FLORIDA, Northwest

Walton County

1 N Freeport

14	2213CST								Hail (1.75)
-----------	----------------	--	--	--	--	--	--	--	--------------------

Golfball size hail was reported just north of Freeport.

Storm Data and Unusual Weather Phenomena

January 1997

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

ADDITIONS/CORRECTIONS

HAWAII

Maui County
Lahaina

19	2000HST								
20	0400HST				0	0	536K		Flash Flood

Drainageways overflowed in Lahaina, flooding an underground parking lot and damaging several cars. Flooding closed a section of Kamehameha V Highway two miles east of Kaunakakai.

Overall, residents and businesses reported losing hundreds of thousands of dollars from waters that inundated Lahaina town's low-lying Malu-ulu-o-Lele Park area between Prison and Shaw streets and on Wainee Street.

PACIFIC

Guam
Barrigada

27	2130PST								
	2330PST				0	0			Urban/Sml Stream Fld

On the 28th of January (Guam time) a shear line was draped across the Marianas Islands. It became quite active with heavy rain occurring over Guam. Thundershowers were reported in the early morning hours. Weather radar showed heavy showers moving across Guam. Some flooding was experienced in low lying areas.

Tropical Storm Hannah (01W) moved through the Guam area of responsibility from January 11th to the 26th. It was a tropical disturbance most of the way, but became a tropical storm on the 19th. At the time it became a tropical storm it was 150 miles southeast of Ngulu. It moved west and gradually intensified. It's estimated peak winds were near 50 kt on the 20th when it was located 72 miles south of Ngulu. It weakened a bit to 45 kt and stayed that strength for a few days. It moved west and passed 105 miles north of Koror, Palau on the 21st. Since winds on the south side of the storm were weak no damage was reported in the Republic of Palau.

Storm Data and Unusual Weather Phenomena

March 1997

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

ADDITIONS/CORRECTIONS

ARKANSAS, Central and North Central

Newton County

Fallsville	01	1220CST			0	0	2K		Thunderstorm Wind (G50)
-------------------	----	---------	--	--	---	---	----	--	--------------------------------

Thunderstorm winds damaged a barn.

Johnson County

Salus	01	1245CST			0	0			Hail (0.75)
-------	----	---------	--	--	---	---	--	--	--------------------

Johnson County

Ozone	01	1245CST			0	0			Hail (0.75)
-------	----	---------	--	--	---	---	--	--	--------------------

Newton County

Deer	01	1255CST			0	0	1K		Thunderstorm Wind (G50)
-------------	----	---------	--	--	---	---	----	--	--------------------------------

A barn sustained some damage.

Newton County

Nail	01	1255CST 1300CST			0	0			Hail (0.75)
-------------	----	--------------------	--	--	---	---	--	--	--------------------

Hail up to dime size covered the ground.

Newton County

Western Grove	01	1305CST			0	0			Hail (0.75)
----------------------	----	---------	--	--	---	---	--	--	--------------------

Marion County

Yellville	01	1320CST			0	0			Hail (0.75)
------------------	----	---------	--	--	---	---	--	--	--------------------

Baxter County

3 N Norfolk to 3 N Jordan	01	1410CST 1413CST	5	200	0	0	25K		Tornado (F1)
--------------------------------------	----	--------------------	---	-----	---	---	-----	--	---------------------

An F1 tornado touched down just to the west of Salesville. The tornado tracked northeastward, crossing State Highway 5 and then passed just to the north of Salesville. From there, the tornado tracked near Norfolk Dam, across Norfolk Lake and then to the Lakeview Estates area, or 3 miles north of Jordan, before lifting. There was mostly tree damage noted along the path of the tornado, but there was some roof and automobile damage noted in and around Salesville. A storage building was destroyed and a mobile home was overturned. It appeared that the tornado was aloft at times, with the tops of some trees removed.

Franklin County

5 SE Ozark	01	1415CST			0	0	10K		Thunderstorm Wind (G50)
-------------------	----	---------	--	--	---	---	-----	--	--------------------------------

Thunderstorm winds damaged several chicken houses.

Clark County

6.5 S Okolona to 3.5 NE Arkadelphia	01	1420CST 1447CST	27	1056	6	100	120M		Tornado (F4)
--	----	--------------------	----	------	---	-----	------	--	---------------------

The tornado moved out of Nevada County and into Clark County approximately 6.5 miles south of Okolona at 220 pm CST. The tornado continued moving northeastward, causing considerable tree damage and downing a number of power lines. The first fatality occurred along I-30, several miles southwest of Arkadelphia where a vehicle was blown off the highway and the driver was killed. A truck-stop was also destroyed near this location as well. At 242 pm CST, the tornado moved into the City of Arkadelphia. A number of homes and businesses in Arkadelphia were either damaged or destroyed. 5 people in Arkadelphia were also killed. The tornado continued to move northeastward, knocking down more trees and power lines, as well as damaging more homes. The tornado exited Clark County approximately 3.5 miles northeast of Arkadelphia at 247 pm CST.

Damage along the track of the tornado was mostly F2 to F3. However, some timber and structural damage along the path was consistent with an F4 rating. M45VE, F45BU, M37MH, F45MH, F14PH, F14PH

Fulton County

Elizabeth	01	1425CST			0	0	50K		Thunderstorm Wind (G50)
------------------	----	---------	--	--	---	---	-----	--	--------------------------------

Thunderstorm winds blew over a storage shed.

Lonoke County

5.5 NW Cabot to 6 NW Austin	01	1437CST 1439CST	3	50	0	0	10K		Tornado (F1)
--	----	--------------------	---	----	---	---	-----	--	---------------------

An F1 tornado down about 5.5 miles northwest of Cabot on Highway 5 and traveled northeastward. The tornado was small at first, downing only a few trees. About 2 miles later, along Highway 319, the tornado damaged the roofs of some buildings, knocked down some power poles and snapped some trees. The tornado exited Lonoke County about 6 miles northwest of Austin at 239 pm CST.

White County

5 SE El Paso to 3 S Center Hill	01	1439CST 1457CST	13	100	0	5	50K		Tornado (F3)
--	----	--------------------	----	-----	---	---	-----	--	---------------------

The Lonoke County tornado moved into White County 5 miles southeast of El Paso at 239 pm CST. The tornado continued to track northeastward. Several utility towers were destroyed, as well as a frame house and some trailers. The tornado encountered some rough terrain and weakened somewhat, but still managed to down trees and cause some spotty roof damage. The tornado lifted about 3 miles south of Center Hill.

Storm Data and Unusual Weather Phenomena

March 1997

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

ADDITIONS/CORRECTIONS

ARKANSAS, Central and North Central

Hot Spring County
4.5 S Friendship to
6.5 E Malvern

01	1447CST 1507CST	24	528	0	11	2M		Tornado (F4)
----	--------------------	----	-----	---	----	----	--	---------------------

The Clark County tornado moved into Hot Spring County 4.5 miles south of Friendship at 247 pm CST. The tornado damaged or destroyed a number of homes and other buildings in Donaldson as it moved northeastward. The tornado passed just to the south and east of Malvern. However, some damage was noted at the Malvern Airport. The tornado downed many more trees and power lines, as well as a number of buildings before it lifted about 6.5 miles east of Malvern.

Damage along the track of the tornado was mostly F2 and F3. However, some structural damage in the Donaldson area was consistent with an F4 rating.

Yell County
1 NW Belleville to
1 NNE Belleville

01	1455CST 1456CST	1	50	0	0	2.7K		Tornado (F1)
----	--------------------	---	----	---	---	------	--	---------------------

A weak F1 tornado touched down briefly about a mile northwest of Belleville. The tornado traveled northeastward for about one mile before lifting. Damage along the path of the tornado consisted of some downed trees.

Yell County
Chickalah to
1 NE Chickalah

01	1505CST 1506CST	1	50	0	0	15K		Tornado (F1)
----	--------------------	---	----	---	---	-----	--	---------------------

The same thunderstorm that produced a tornado earlier near Belleville spawned a new tornado near Chickalah. This F1 tornado was on the ground for about a mile before lifting 1 mile northeast of Chickalah. Several chicken houses were damaged by the tornado.

Logan County
2 N Scranton

01	1515CST			0	0	8K		Thunderstorm Wind (G50)
----	---------	--	--	---	---	----	--	--------------------------------

Thunderstorm winds damaged the roof of a church.

White County
3.5 WSW Velvet Ridge to
2 N Velvet Ridge

01	1523CST 1525CST	4	150	0	14	20K		Tornado (F2)
----	--------------------	---	-----	---	----	-----	--	---------------------

Another tornado developed about 3.5 miles west-southwest of Velvet Ridge and moved northeastward. Before moving into Jackson County, the tornado destroyed a mobile home. 3 people inside the mobile home ran for cover and were not injured.

Saline County
5 SE Benton to
8 ENE Bryant

01	1525CST 1541CST	14	1408	10	40	25M		Tornado (F4)
----	--------------------	----	------	----	----	-----	--	---------------------

The thunderstorm that produced the tornado across Clark and Hot Spring County earlier spawned another tornado in Saline County. The tornado touched down 5 miles southeast of Benton and traveled northeastward, damaging a number of homes and downing numerous trees and power lines. As the tornado approached Shannon Hills, the tornado expanded to 0.8 mile wide. Dozens of homes were either damaged or destroyed in the area around the Shannon Hills, Vimy Ridge and Sardis communities. 10 people were killed, with most victims inside their homes when the storm hit.

The tornado exhibited characteristics of F2 to F3 strength prior to moving into the Shannon Hills area. After that, the tornado reached F4 intensity as it moved across the Shannon Hills area and eventually into Pulaski County.
M64PH, F60PH, F23MH, F55PH, F35PH, M55OU, F52OU, M15MH, M49MH, M72OU

Jackson County
3 S Denmark to
7 NE Denmark

01	1525CST 1531CST	8.5	1056	2	30	10M		Tornado (F2)
----	--------------------	-----	------	---	----	-----	--	---------------------

The White County tornado moved into Jackson County 3 miles south of Denmark at 325 pm CST. As the tornado crossed Highway 167, 2 people were killed when a tree fell on them while they were taking shelter from the tornado in a ditch. Several mobile homes and some frame homes suffered partial roof removal as the tornado progressed across the county. The tornado exited Jackson County 7 miles northeast of Denmark at 331 pm CST. Damage along the path of the tornado was consistent with an F2 rating. M21OU, M30OU

Searcy County
Marshall

01	1530CST			0	0	2M		Thunderstorm Wind (G50)
----	---------	--	--	---	---	----	--	--------------------------------

Thunderstorm winds downed a few trees and tore shingles off several buildings.

Pope County
1 S Oak Grove to
7 NE Oak Grove

01	1530CST 1538CST	7.5	200	0	1	5M		Tornado (F1)
----	--------------------	-----	-----	---	---	----	--	---------------------

An F1 tornado touched down approximately 1 mile south of Oak Grove and traveled northeastward. Much of the damage was mostly done to trees. However, a wood pallet plant and a chicken house were destroyed. A couple of homes also sustained roof damage. The tornado exited Pope County around 338 pm CST.

Storm Data and Unusual Weather Phenomena

March 1997

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

ADDITIONS/CORRECTIONS

ARKANSAS, Central and North Central

Independence County

7 S Oil Trough to 5.5 ESE Oil Trough	01	1531CST 1542CST	7.5	880	0	0	3M		Tornado (F2)
---	-----------	----------------------------	------------	------------	----------	----------	-----------	--	---------------------

The Jackson County tornado moved into Independence County 7 miles south of Oil Trough at 331 pm CST. As the tornado tracked northeastward, it damaged several homes and downed a number of trees and power lines. The tornado exited Independence County 5.5 miles east-southeast of Oil Trough at 342 pm CST.

Saline County

1.5 SE Vimy Ridge to 2.5 ESE Vimy Ridge	01	1535CST 1538CST	2	352	0	0	10M		Tornado (F2)
--	-----------	----------------------------	----------	------------	----------	----------	------------	--	---------------------

Another tornado formed just south of the main tornado track near Shannon Hills. The tornado was on the ground for approximately 2 miles. Several homes sustained damage. A number of trees were also blown down, as well as several high voltage electrical towers. Much of the damage was mostly F1. However, damage to the high voltage transmission towers was consistent with an F2 rating.

Conway County

2 WSW Jerusalem to 6.5 NE Jerusalem	01	1538CST 1548CST	8	880	0	1	500K		Tornado (F2)
--	-----------	----------------------------	----------	------------	----------	----------	-------------	--	---------------------

The Pope County tornado moved into Conway County about 2 miles west-southwest of Jerusalem at 338 pm CST and traveled northeastward. The tornado affected the northern and western parts of Jerusalem. West of town, a hog farm and tin shed were destroyed and a number of trees were blown down. As the tornado moved north of Jerusalem, a trailer was overturned and destroyed. One person in the trailer was injured. Thereafter, numerous trees were downed as the tornado moved through the Ozark National Forest. Damage along the tornado path was consistent with an F2 rating.

Pulaski County

2.5 SE Mabelvale to 1 S Prothro Jct	01	1541CST 1557CST	11	1408	5	180	50M		Tornado (F4)
--	-----------	----------------------------	-----------	-------------	----------	------------	------------	--	---------------------

The Saline County tornado moved into Pulaski County about 2.5 miles southeast of Mabelvale at 341 pm CST. The tornado tracked northeastward and damaged or destroyed a number of homes and businesses in the area of Arch Street Pike and Dixon Road in the south part of Little Rock. One person was killed in the same area when the building he was in seeking shelter was destroyed. Numerous trees and power lines were also blown down. The tornado continued to produce damage as it moved northeastward, but weakened and partially lifted as it approached the intersection of Highway 65 and Dixon Road. At this location, a building was destroyed and the tops of some trees were removed.

The tornado reemerged near the College Station area around 349 pm CST, causing widespread damage. Many frame homes were either damaged or destroyed. 4 people were killed in the College Station area. A number of residents noted that there was a tremendous amount of flying debris. The tornado crossed I-440 and passed very close to Little Rock National Airport. The airport was closed for several hours after the storm passed, due to a large amount of debris on the runways. A hotel and a UPS Distribution Center near the airport sustained some damage. The tornado eventually lifted soon after it crossed the Arkansas River.

Much of the damage along the path of the tornado was F2 and F3. However, some structural damage along the path was consistent with an F4 rating. M61BU, M69PH, F74VE, M62PH, F45MH

Jackson County

4 SW Jacksonport to 5.5 E Swifton	01	1542CST 1613CST	23	880	1	30	25M		Tornado (F2)
--	-----------	----------------------------	-----------	------------	----------	-----------	------------	--	---------------------

The tornado in Independence County moved back into Jackson County about 4 miles southwest of Jacksonport at 342 pm CST. The tornado moved northeastward into Jacksonport where there was a considerable loss of trees and damage to homes and businesses. One person was killed in a mobile home that was destroyed. A riverboat also suffered considerable damage when it was blown into a partially flooded area on the shoreline. As the tornado continued to move northeastward, it caused roof and structural damage to a number of buildings. A lot of trees were also blown down as well. The tornado crossed Highway 67 about a mile south of Tuckerman and skirted the southeast part of town. Several miles northeast of Tuckerman, on Highway 224, the tornado caused more damage to several homes. About 7 miles northeast of Tuckerman, there was quite a bit of tree damage. Some tops of trees were also removed, indicating that the tornado was aloft at times. The tornado downed more trees and power lines in the last 3 or 4 miles it was on the ground in Jackson County. The tornado exited Jackson County 5.5 miles east of Swifton at 413 pm CST. Damage along the path of the tornado was consistent with an F2 rating. M79MH

Pope County

Appleton	01	1545CST			0	0			Hail (1.75)
-----------------	-----------	----------------	--	--	----------	----------	--	--	--------------------

Pulaski County

Sweet Home to 2.5 SE Prothro Jct	01	1547CST 1556CST	5	352	0	0	10M		Tornado (F2)
---	-----------	----------------------------	----------	------------	----------	----------	------------	--	---------------------

Another tornado developed just south of the College Station storm, near the Sweet Home area. The tornado traveled northeastward, damaging several buildings. Some trees and power lines were also blown down. The tornado lifted soon after crossing the Arkansas River near the intersection of I-440 and Highway 165. Damage along the tornado's path was consistent with an F2 rating.

Storm Data and Unusual Weather Phenomena

March 1997

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

ADDITIONS/CORRECTIONS

ARKANSAS, Central and North Central

Van Buren County

8 SW Scotland to 6 SW Scotland	01	1548CST 1550CST	2	880	0	0	100K		Tornado (F2)
---	----	--------------------	---	-----	---	---	------	--	---------------------

The Conway County tornado moved into Van Buren County about 8 miles southwest of Scotland at 348 pm CST. The tornado traveled about 2 miles through the Ozark National Forest before lifting. Based on surveys of the timber damage, the tornado remained at F2 strength before it dissipated.

Pulaski County

Gravel Ridge	01	1554CST			0	0			Hail (0.88)
---------------------	----	---------	--	--	---	---	--	--	--------------------

Lonoke County

2 N Furlow to 3.5 NNE Furlow	01	1602CST 1604CST	2.3	100	0	3	150K		Tornado (F2)
---	----	--------------------	-----	-----	---	---	------	--	---------------------

The same thunderstorm that produced the tornadoes in Arkadelphia and in Little Rock spawned another tornado in Lonoke County. The tornado touched down about 2 miles north of Furlow near the intersection of Highways 89 and 236. The tornado traveled northeastward, downing trees and removing sections of roofing from a couple of homes. One frame home was destroyed and a large utility tower was also blown down. Much of the damage along the tornado's path was F0 and F1. However, damage to the utility tower was consistent with an F2 rating.

Van Buren County

4 SW Shirley to 2 WSW Shirley	01	1612CST 1614CST	2.5	100	0	0	50K		Tornado (F1)
--	----	--------------------	-----	-----	---	---	-----	--	---------------------

An F1 tornado touched down briefly approximately 4 miles southwest of Shirley. The tornado traveled northeastward along and near State Highway 16 for about 2.5 miles before lifting. A few homes sustained roof damage and a couple of sheds were destroyed. Numerous trees were also knocked down along the tornado's track.

Stone County

.5 E Rushing to 1 NE Rushing	01	1622CST 1623CST	0.5	20	0	0	3K		Tornado (F0)
---	----	--------------------	-----	----	---	---	----	--	---------------------

A weak F0 tornado touched down near Rushing. The tornado traveled about a half mile to the northeast before lifting. The only damage noted was a few trees that were blown down.

Stone County

Marcella to 1 NE Marcella	01	1650CST 1652CST	0.5	20	0	0	50K		Tornado (F1)
--------------------------------------	----	--------------------	-----	----	---	---	-----	--	---------------------

An F1 tornado touched down just northeast of Marcella. The tornado traveled northeastward towards Independence County. Several trailers sustained damage and some trees were blown down.

Independence County

4 WNW Bethesda to 5 NW Bethesda	01	1652CST 1655CST	4	25	0	0	3K		Tornado (F0)
--	----	--------------------	---	----	---	---	----	--	---------------------

The Stone County tornado crossed the White River and moved into Independence County at 452 pm CST. The tornado traveled northeastward for about 4 miles before lifting, but not before causing some tree damage.

Woodruff County

1.5 W Patterson to 9.5 NE Mc Crory	01	1654CST 1711CST	12	880	0	0	500K		Tornado (F2)
---	----	--------------------	----	-----	---	---	------	--	---------------------

A tornado touched down about 1.5 miles west of Patterson and moved northeastward. The tornado crossed Highway 64 about a mile northwest of Patterson where some trees were snapped off and a roadside park sustained damage. 3 miles north of McCrory on Highway 17, the tornado destroyed a house trailer and damaged some power poles. About a half mile north of the intersection of Highways 37 and 269, the tornado reached F2 strength, heavily damaging some homes and uprooting a number of trees. Near the intersection of Highways 37 and 145, a duck hunting club was destroyed and a farm shop and grain bins were damaged. The last damage noted in Woodruff County was just off Highway 145 where a frame house was destroyed. The tornado exited Woodruff County at 511 pm CST.

Jackson County

3.5 SSE Mc Fadden to 4 SE Mc Fadden	01	1711CST 1714CST	3	50	0	0	10K		Tornado (F1)
--	----	--------------------	---	----	---	---	-----	--	---------------------

The Woodruff County tornado moved into Jackson County about 3.5 miles south-southeast of Mc Fadden at 511 pm CST. The tornado had weakened at this point but still managed to damage a house and knock down some trees. The tornado did some more tree damage before moving into Cross County around 514 pm CST.

Sharp County

1 NW Cave City to 1.5 N Cave City	01	1715CST 1716CST	1	40	0	0	3K		Tornado (F1)
--	----	--------------------	---	----	---	---	----	--	---------------------

An F1 tornado touched down about 1 mile northwest of Cave City. The tornado moved northeastward and was on the ground for about a mile before lifting. Some downed trees were the only damage noted along the path of the tornado.

Ouachita County

Camden	01	1750CST			0	0			Hail (0.88)
---------------	----	---------	--	--	---	---	--	--	--------------------

Storm Data and Unusual Weather Phenomena

March 1997

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

ADDITIONS/CORRECTIONS

ARKANSAS, Central and North Central

Cleveland County 5 SE Rison	01	1845CST			0	0	3K		Thunderstorm Wind (G50) Thunderstorm winds downed several trees.
Woodruff County Augusta	01	1850CST			0	0	7K		Thunderstorm Wind (G50) Thunderstorm winds damaged the roofs of several buildings.
Cleveland County Rison	01	2005CST			0	0	7K		Thunderstorm Wind (G50) Several buildings sustained roof damage.
Arkansas County Crocketts Bluff	01	2120CST			0	0	7K		Thunderstorm Wind (G50) Thunderstorm winds damaged the roofs of several buildings.
Franklin County White Rock	02	1540CST			0	0			Hail (0.88)
Pulaski County North Little Rock	05	0110CST			0	0			Hail (0.88)
Pulaski County Jacksonville	05	0131CST			0	0			Hail (0.88)
Lonoke County Cabot	05	0133CST			0	0			Hail (0.88)
Arkansas County Gillett	05	0900CST 1100CST			0	0	10K		Flash Flood Heavy rains resulted in flash flooding across the southern parts of Arkansas County. Several county roads were washed out in some areas as a result of the heavy rainfall.
Lincoln County Star City	05	0900CST 1100CST			0	0	100K		Flash Flood Heavy rains resulted in flash flooding in and around Star City. A number of streets were covered with water for a period of time. Several bridges and culverts in the western part of the county were also washed out.
Calhoun County Hampton	05	0945CST 1130CST			0	0	10K		Flash Flood Heavy rains caused some flash flooding in the Hampton area. A gravel road was washed out in some spots as a result of the heavy rainfall.
Newton County 5 SW Compton	27	2020CST			0	0			Hail (0.75)
Boone County Gaither	27	2030CST			0	0			Hail (0.75)
Pope County Dover	27	2040CST			0	0			Hail (0.75)
Sharp County Evening Shade	27	2335CST			0	0			Hail (0.75)
Johnson County Clarksville	30	0100CST			0	0	2K		Thunderstorm Wind (G50) Thunderstorm winds downed some large tree limbs.
Hot Spring County Bismarck	30	0210CST			0	0			Hail (0.88)
Lincoln County 5 SE Star City	30	0330CST			0	0			Hail (0.88)
Franklin County Ozark	30	1245CST			0	0			Hail (0.75)

ARKANSAS, East

Mississippi County Lennie to Hickman	01	1820CST 1900CST	20	200	0	0	25K		Tornado (F4) A tornado developed in Mississippi county near the town of Lennie. Three mobile homes were damaged or destroyed and a cotton trailer was overturned. The tornado touched down again in Dyer county in Tennessee. The most severe damage with the tornado occurred in
---	----	--------------------	----	-----	---	---	-----	--	---

Storm Data and Unusual Weather Phenomena

March 1997

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

ADDITIONS/CORRECTIONS

ARKANSAS, East

Dyer county. A thirteen-year-old girl was killed at her home which was destroyed by the tornado in the town of Finley. One hundred ninety buildings were damaged or destroyed in Dyer county including parts of Dyer County High School. The tornado then continued into Gibson county where eight homes were damaged or destroyed. Numerous trees and power lines were knocked down as well.

Dyer County
Chic to
Churchton

01	1900CST 1930CST	15	200	1	15	2M	Tornado (F4)
F10MH							

Gibson County
3 W Yorkville to
2 E Rutherford

01	1930CST 1945CST	10	200	0	0	100K	Tornado (F4)
----	--------------------	----	-----	---	---	------	--------------

Storm Data and Unusual Weather Phenomena

May 1997

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

ADDITIONS/CORRECTIONS

PACIFIC

Marshall Islands Countywide

04	1600AST			0	0				
11	2200AST								Typhoon

Tropical Storm Kelly (04W) moved through the Guam Area of Responsibility from the 4th to the 11th. Kelly was only a tropical depression until the 8th. It became a tropical storm while over the northern Marshall Islands. No damage was reported.

Tropical Storm Marie (06W) was in the Guam Area of Responsibility from the 25th to the 31st. It was far from any islands when it gained strength and as a result no damage was reported.

TEXAS, South Central

Williamson County

3 N Jarrell to 1 NW Jarrell	27	1425CST 1433CST	2	200	0	0	0	0	Tornado (F2)
--	-----------	----------------------------	----------	------------	----------	----------	----------	----------	---------------------

Williamson County

1 NW Jarrell to 1 W Jarrell	27	1435CST 1439CST	0.5	150	0	0	0	0	Tornado (F2)
--	-----------	----------------------------	------------	------------	----------	----------	----------	----------	---------------------

Williamson County

1 W Jarrell to 5.5 SW Jarrell	27	1440CST 1453CST	5.1	650	27	12	40M	100K	Tornado (F5)
--	-----------	----------------------------	------------	------------	-----------	-----------	------------	-------------	---------------------

F34PH, M15PH, F13PH, F37PH, M11PH, M46PH, F45PH, F17PH, M15PH, M15PH, M41PH, F40PH, M40PH, F40PH, M16PH, F15PH, F44PH, M5PH, M22PH, F50PH, M15PH, M14PH, F36PH, F13PH, F10PH, F36PH, M16PH

Several eyewitnesses reported that the Jarrell tornado was preceded for a period of 8 to 10 minutes by a series of short-lived very small tornadoes that formed from the same supercell thunderstorm. These touched down, then dissipated in order.

The first tornado in Williamson County formed near 2:25 pm CST and built rapidly to F2 strength. It survived for approximately 8 minutes, often returning briefly to a roped and tilted feature before it died. This tornado was followed by a second that formed near 2:35 pm CST. It built quickly into a multi-vortex tornado that appeared to be near F2 strength as well. This dissipated after only 4 minutes.

The final tornado from this same supercell, the Jarrell Tornado, developed as a small...rope-shaped tornado, touching down around 2:40 pm CST inside the Williamson County line northwest of Jarrell. From film and eyewitness accounts, it expanded quickly into a very large vortex nearly 1/2 mile in width. Observations recounted by eyewitnesses indicated that the damage path may not have been made strictly by one tornado. A number of eyewitnesses reported seeing several small, rope-like funnels before the character of the tornado changed drastically into the killer tornado. Ground damage patterns in the Double Creek Subdivision also suggested this possibility.

The tornado crossed CR 308, CR 305, and then CR 307. Where the tornado crossed each of these county roads, approximately 525 feet of asphalt was ripped off each of the roadways. This particular destruction was believed to be very close to the centerline of the tornado circulation. As the tornado crossed the intersection of CR 305 and 307, a business on the corner was destroyed. The tornado moved into the Double Creek area at this point with total destruction. F5 destruction continued from shortly after its formation until very close to the end of the damage path.

The tornado began a brief turn toward the southeast as it entered the Double Creek subdivision and the surrounding area, moving very slowly. It reached the subdivision at 3:48 pm. This time is based on a clock found at a destroyed residence in the extreme northwest corner of the subdivision and the home believed to be the first struck by the tornado. Here, it widened to its maximum width of three-quarters of a mile. From the air, the ground appearance changed abruptly in the vicinity of CR 308 and continued until very near the end of the path. No definitive circulation patterns or suction spots were evident, but there was the noted obvious change in the appearance of the ground. In the Double Creek area, approximately 40 structures were totally destroyed. One of the most striking signs in approaching this area was the distinct lack of debris of any size. Closer inspection showed lots of little debris but no sign of large items. It was estimated that several dozen vehicles had been in the subdivision and removed by the tornado. Nearly 300 cattle grazing in a pasture near the subdivision were also killed, with many of them tossed and blown for over 1/4 mile. At least half a dozen cars were identified from the air lying in the open areas, most of them flattened and encrusted with mud and grass. Trees in the subdivision were completely stripped of bark. Later ground survey revealed that most of the debris that was left in the area was extremely small indicating the power of the tornadic wind. All 27 deaths associated with the Jarrell tornado occurred in the Double Creek area. Eyewitnesses reported that it appeared to have slowed down as it entered the subdivision, and that may account for the nearly total destruction that took place.

After passing through the Double Creek area, the tornado shifted its track again slightly, moving toward the south-southwest across CR 309 and into a heavily wooded area of cedar trees. The total destruction of the tornado ends abruptly shortly after entering the wooded area. However, a small swath of tree damage on the north side of the main damage path suggested the possibility of a multiple vortex pattern. No other evidence of multiple vortices was observed.

Storm Data and Unusual Weather Phenomena

May 1997

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

ADDITIONS/CORRECTIONS

TEXAS, South Central

The sequence of weather phenomenon reported with this tornado was exactly opposite of that often reported- the tornado first appeared, followed by nearly calm conditions, then hail, followed by rain and finally brief, gusty winds. This is attributed to the fact that the parent supercell was moving toward the southwest for most of its life. The storm essentially "backed into" the area as it moved.

**Travis County
Austin**

27	1600CST 1700CST			1	0	5K	0	Flash Flood
----	--------------------	--	--	---	---	----	---	--------------------

F38OT

**Travis County
Austin**

27	1615CST			0	0	0	0	Thunderstorm Wind (G56)
----	---------	--	--	---	---	---	---	--------------------------------

Heavy rainfall associated with the tornadic thunderstorms produced 2 inches of rain over Shoal Creek, with brief flash flooding. The body of a woman was later discovered in Shoal Creek. She apparently drowned during the heavy rain event, with her time of death estimated at 1600CST. Severe wind gusts to 56 knots were observed at Robert Mueller Airport in Austin.

Storm Data and Unusual Weather Phenomena

June 1997

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

ADDITIONS/CORRECTIONS

PACIFIC

GUZ005

Northern Marianas

11	0600SST				0	0			Typhoon
	1800SST								

Guam

Central Portion

29	1444SST				0	0			Waterspout
	1457SST								

Super Typhoon Nestor (07W) moved through the Guam Area of Responsibility from the 1st to the 12th.

It passed through the northern Marianas Islands, passing 45 miles away from the island of Agrihan on the 11th. No damage was reported.

Typhoon Opal (08W) moved through the Guam Area of Responsibility from the 13th to the 18th. It became a tropical storm when it was out over the ocean far to the west of Guam. No damage was reported.

Tropical Disturbance formed near 5.5N 162.4E on the 16th. It moved west-northwest and passed south of Guam and north of Yap the 19th and 20th. No damage was reported. The tropical depression continued in Guam Area of Responsibility until the 23rd. It eventually became Typhoon Peter while it was west of the Guam Area.

A waterspout was observed from the National Weather Service Office at Tiyan northwest of the station. It formed over the water just to the west of the island.

Storm Data and Unusual Weather Phenomena

August 1997

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

ADDITIONS/CORRECTIONS

PACIFIC

Guam									
Central Portion to	01	0000SST			0	0			Urban/Sml Stream Fld
Asan		1000SST							
Guam									
Central Portion	05	1840SST			0	0			Funnel Cloud
		1901SST							
GUZ006-006>007		Guam - Saipan							
	11	1000SST			0	2	675K	100K	High Wind
	12	2359SST							
GUZ005-005		Northern Marianas							
	12	0000SST			0	0	155K	25K	Typhoon
	13	2359SST							
		Many banana trees damaged							
Guam									
Countywide	18	0000SST			0	0			Urban/Sml Stream Fld
		1600SST							
Guam									
Countywide	20	0000SST			0	0			Urban/Sml Stream Fld
		1600SST							
Guam									
Dededo	21	0230SST			0	0	100K		Lightning
		0500SST							
Guam									
Central Portion	21	1600SST			0	0			Urban/Sml Stream Fld
		2359SST							
Guam									
Central Portion	21	1717SST			0	0			Funnel Cloud
		1726SST							
Guam									
Countywide	24	1600SST			0	0			Urban/Sml Stream Fld
		2359SST							
Guam									
Central Portion	26	1412SST			0	0			Funnel Cloud
		1430SST							
Guam									
Countywide	29	0000SST			0	0			Urban/Sml Stream Fld
	30	1000SST							

August saw an active Monsoon trough place itself across the region. This caused copious amounts of rain across the Marianas Islands. This resulted in numerous periods of heavy rainfall and localized Urban and Small Stream flooding. Rainfall at the National Weather Service Office was 38.49 inches, which is a new record for the month of August. A few surges in the monsoon caused strong winds across the region. Guam saw 12 days with peak winds greater than 30 mph. Other places that saw peak winds of 30 mph or greater was Majuro with 9 days (peak wind 37 mph), Pohnpei saw 8 days (peak wind of 41 mph) and Chuuk with 11 days (peak wind of 48 mph).

The biggest wind producer of the month was Super Typhoon Winnie (14W). Super Typhoon Winnie formed as a tropical disturbance on the Monsoon trough on August 5th in the Marshall Islands. This system became a tropical depression on August 8th about 240 miles north of Pohnpei. Winnie became a tropical storm on the 9th and a typhoon on the 10th. Winnie continued to rapidly intensify and became a Super Typhoon on the 12th. On the evening of the 12th Winnie passed between the Northern Marianas islands of Pagan and Alamagan. The Northern Marianas island of Anatahan had most of its banana crop destroyed and the island of Agrihan had four houses blown down and tin roofs blown away on others.

Winnie caused a major surge in the monsoon. This resulted in not only strong wind directly from the storm, but also far to the south of it. This caused power outages and crop damage across Guam, even when the storm center was 300 miles away. The peak wind at the National Weather Service Office on the 12th was 53 mph. The winds also caused a barge to break loose in Apra Harbor. The barge ran into and sank a 55 foot sail boat. On Saipan the high winds knocked out almost half of the islands power. The wind also blew the tin roofs off of seven houses and caused substantial damage to 3 others. 50 houses received minor damage. Winnie left the Guam Area of Responsibility on the 14th.

Tropical Storm Yule (15W) formed as a tropical disturbance on the 9th. It became a tropical on the 17th. It passed 40 miles east of Wake Island on the 20th. Highest winds on Wake Island were 40 mph with gust to 55 mph. Yule left the Guam Area of Responsibility on the 21st. No damage was reported.

Storm Data and Unusual Weather Phenomena

August 1997

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

ADDITIONS/CORRECTIONS

PACIFIC

Tropical Storm Amber formed as a tropical disturbance on the 19th. It became a tropical storm on the 21st and a typhoon on the 22nd. The typhoon left the Guam Area of Responsibility on the 24th. The system stayed out over open ocean waters and no damage was reported.

Tropical Storm BIng (19W) formed as a tropical on the monsoon trough on August 26th about 250 miles northwest of Pohnpei. It became a tropical depression on the 27th and a tropical storm on the 29th when it was 130 miles east-southeast of Guam. The storm did cause some winds across the island of Guam, peak wind at the Tiyon Weather Service Office was 28 mph on the 29th and 38 mph on the 30th. The more significant effect of Bing was that it brought copious amounts of rain to Guam on the 29th with 5.91 inches falling at the Tiyon Office. Another 1.41 inches fell on the 30th as beand of rain from the intensifying storm moved across the island of Guam.

An interesting weather note for the month wqs related to the strong west winds along the equator. During the month a small Indonesian fishing boat was found a few hundred miles south of Guam by a tuna fishing boat. They had been out in the water for a few weeks. They were from the island of Siau which is north of the city of Manado in Sulawesi. The crew consisted of two men and a twelve year old boy. The boat was meant for inter-island travel and near shore fishing, not high seas travel. The fishermen report being stuck in a thunderstorm. Their engine then failed. the strong and persistant west winds pushed them further and further away from shore until they lost sight of land. After spending some time in Guam, they were returned home.

PACIFIC

Northern Marianas Agrihan

11	0500SST	0	0	75K	50K	Typhoon
-----------	----------------	----------	----------	------------	------------	----------------

Damage to coconut trees.

Super Typhoon Oliwa (02C) began as a tropical depression in the central Pacific on August 28th. It became a tropical storm on September 3rd. The tropical storm entered the Guam's Weather Office Area of Operations on the 4th. It became a typhoon on the 8th. The typhoon passed just 60 miles north of the islands of Agrihan in the northern Marianas Islands. Reports from Agrihan indicated winds of 75 mph with gust to 85 mph. Two coconut trees fell on the radio antenna and contact was lost with the island for a while. No injuries or deaths were reported. The typhoon passed out of the Guam Area of Operations on the 12th.

Typhoon David (21W) formed as a tropical disturbance on the 9th. It became a tropical storm on the 12th just north of the Marshall Islands. David remained out over the open ocean and no damage was reported. David left the Guam Area of Responsibility on the 15th.

Typhoon Ginger (24W) formed on the 21st. It became a tropical storm on the 24th northwest of the Marshall Islands. Ginger became a typhoon on the 25th. The typhoon stayed out over the open ocean and no damage was reported. The typhoon left the Guam Area of Operations on the 26th.

Storm Data and Unusual Weather Phenomena

October 1997

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

ADDITIONS/CORRECTIONS

PACIFIC

Guam

Countywide

15 0000SST 1100SST 0 0 Urban/Sml Stream Fld

GUZ006

Guam

15 0000SST 1600SST 0 0 Tropical Storm

GUZ007

Saipan

18 0600SST 2200SST 0 3 100K Typhoon

Northern Marianas

Anatahan

18 0600SST 2200SST 0 0 100K 100K Typhoon

Damage to banana, cassava and taro crops

Typhoon Ivan (27W) formed on the 9th about 300 miles east of Majuro in the Marshall Islands. It remained weak for a few days as it passed through the Marshalls and caused no damage. It became a tropical storm on the 13th. It continued moving west and passed south of Guam early on the morning of the 15th. On the 15th a peak wind of 47 mph was observed at Anderson Air Force Base on northern Guam and 29 mph observed at the National Weather Service Office in Tiyan. On the 15th 5.26 inches of rain fell at Anderson Air Force Base and 3 inches at the Tiyan Weather Service Office as a spiral band from the tropical storm passed across the island. This caused Urban and Small Stream flooding in some areas. Tropical Storm Ivan became a typhoon during the late afternoon of the 15th, but was already moving away from the Marianas Islands. The typhoon remained in the Guam Area of Operations until the 17th.

Super Typhoon Joan (28W) formed on the 11th to the east of Majuro. It became a tropical storm on the 14th and reached typhoon strength on the 15th. The typhoon continued to intensify as it moved west-northwest. It passed about 50 miles north of Saipan and 30 miles south of Anatahan on the 18th. Saipan was slow to respond to the threat of the typhoon, as a result, people were still making storm preparations when the high winds began. Three people were injured when they were boarding up their house. The injuries were caused in part by flying boards. By the morning of the 19th the entire inland of Saipan had lost power. A few houses had tin roofs damaged. At least 37 houses were destroyed. Anatahan did not fare as well. Damage was extensive across the island. Machinery, boats and public property sustained damage. Crops such as banana, cassava and taro were also damaged. All of the damage on Anatahan amounted to at least \$200,000.

A band of moisture flowing into Typhoon Joan moved across Guam on the 19th. This resulted in 1.99 inches of rain falling at the Tiyan Weather Office and 2.20 inches at Anderson Air Force Base. This band also caused winds to gust to 41 mph at the Tiyan Weather Office.

What was to become Super Typhoon Keith (29W) was spotted as a tropical disturbance east of Majuro in the Marshall Islands on the 22nd. It became a tropical storm on the 28th southwest of Jaluit. On the afternoon of the 30th Keith became a typhoon. On the 30th the typhoon passed 90 miles north of Mokil, 130 miles south of Ujelang and 125 miles north of Pingelap. During the early morning hours of the 31st the typhoon passed 115 miles north of Pohnpei. Some brief periods of winds of 25 to 35 mph with gust to 50 mph were reported across these islands. No reports of damage or injury were reported from these islands.

Storm Data and Unusual Weather Phenomena

November 1997

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

ADDITIONS/CORRECTIONS

PACIFIC

GUZ005>008

Northern Marianas - Guam - Saipan - Rota

02	0200SST 2200SST	0	0	15M	50K	Typhoon
-----------	----------------------------	----------	----------	------------	------------	----------------

Typhoon Keith passed north of Pohnpei on the 31st of October. The typhoon continued to move in a northwestward direction and rain in advance of the typhoon began falling across the Marianas Islands on the morning of the 2nd. The storm passed through the channel that is between Rota and Tinian during the late afternoon of the 2nd. Closest point of approach of the eye of the storm to Rota was 21 miles to the east-northeast, 37 miles south-southeast of Tinian, 46 miles south of Saipan and 90 miles north of Guam.

Winds on Tinian reached 69 mph with gust to 81 mph. At least 24 houses were destroyed with 109 others receiving major damage and 47 minor damage. 4 businesses received major damage and another 8 had minor damage. Electricity was knocked out over the whole island.

On Saipan, maximum sustained winds from the typhoon were 98 mph with gust to 109 mph. 130 houses were destroyed. 436 additional homes had major damage and 226 were left with minor damage. Electricity was knocked out over the whole island.

On Rota, winds reached 58 mph with gust to 81 mph. One house was destroyed with an additional 7 receiving major damage and 5 with minor damage.

The strongest winds reported across Guam were 41 mph with gust to 63 mph. There were scattered power outages across Guam. The strong surf pushed some rocks and debris onto roads along the southern shore of the island. Minor crop damage was reported on Guam. This came mainly from wind damage and also from small scale flooding.

WISCONSIN, Southeast

WIZ066

Milwaukee

30	1130CST	1	0	Extreme Cold
-----------	----------------	----------	----------	---------------------

An elderly women died from environmental cold-weather hypothermia, based on medical reports. She was found dead on her driveway. Air temperatures during the morning hours were in the mid to upper 30s. One can speculate that she slipped and fell on the driveway and was unable to get up. F88OU

Storm Data and Unusual Weather Phenomena

March 1998

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

ADDITIONS/CORRECTIONS

ALABAMA, Southeast

Dale County

1 N Ozark

05	1615EST				0	0	70K		Thunderstorm Wind
-----------	----------------	--	--	--	----------	----------	------------	--	--------------------------

1630EST

One half of tin roof blown off a furniture manufacturing plant one mile north of Ozark. Numerous large tree limbs snapped near Industrial Park. Quarter sized hail and wind gusts to 47 mph observed by EOC officials in Ozark. Lightning struck and destroyed a home four miles northeast of Ozark.

Geneva County

Countywide

08	0635EST				0	0	10K		Thunderstorm Wind
-----------	----------------	--	--	--	----------	----------	------------	--	--------------------------

Numerous trees and power lines down countywide.

Coffee County

Countywide

08	0640EST				0	0	10K		Thunderstorm Wind
-----------	----------------	--	--	--	----------	----------	------------	--	--------------------------

Numerous trees and power lines down countywide.

Dale County

Countywide

08	1100EST				0	0	1K		Thunderstorm Wind
-----------	----------------	--	--	--	----------	----------	-----------	--	--------------------------

Large trees down along County Road 23.

Storm Data and Unusual Weather Phenomena

April 1998

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

ADDITIONS/CORRECTIONS

ALABAMA, Southeast

Houston County Cottonwood	08	0910EST			0	0			Hail (1.75)
Golfball sized hail reported by Houston County Fire Department.									
Houston County Ashford	08	0930EST			0	0			Hail (1.75)
Golfball sized hail reported by Houston County EMA.									
Houston County Madrid	08	0930EST			0	0			Funnel Cloud
Funnel cloud observed by road and bridge crew just north of Madrid.									
Houston County Taylor	08	0930EST			0	0	5K		Thunderstorm Wind
Trees and power lines down in Taylor.									
Houston County Columbia	08	0940EST			0	0			Hail (1.00)
Quarter sized hail reported by Houston County EMA.									
Coffee County Elba	08	1038EST 1040EST			0	0			Funnel Cloud
Public reports of funnel cloud across northern Coffee County including Elba.									
Dale County Ozark	08	1110EST			0	0			Hail (0.75)
Dime sized hail reported by Dale County EMA.									
Coffee County Elba	08	1158EST			0	0			Hail (0.75)
Dime sized hail reported by Coffee County EMA.									
Coffee County Elba	17	2100EST			0	0			Hail (1.75)
Golfball sized hail reported two miles south of Elba.									
Dale County Ozark	17	2146EST			0	0			Hail (0.75)
Dime sized hail reported three miles north of Ozark.									

GEORGIA, Southwest

Early County Blakely	08	0955EST 1003EST			0	0			Hail (1.75)
Golfball sized hail reported by Early County Sheriff.									
Early County Blakely	08	1005EST			0	0	50K		Hail (2.75)
Baseball sized hail damaged 8 to 10 homes in Blakely.									
Decatur County 2 NNE Bainbridge	08	1055EST 1100EST			0	0	10K		Thunderstorm Wind
Several large trees blown into power poles with numerous power lines ablaze (approximately two miles NNE of Bainbridge).									
Tift County Tifton	08	1415EST			0	0			Hail (0.75)
Dime sized hail reported at Industrial Park in Tifton.									
Tift County 8 W Tifton	08	1425EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds split a double wide mobile home near the Tift-Worth county line (approximately 8 miles west of Tifton).									
Colquitt County Norman Park	08	1500EST 1600EST			0	0	25K		Thunderstorm Wind
Thunderstorm winds damaged several mobile homes, snapped numerous pine tree tops, and downed power lines in Norman Park.									
Tift County Tifton	09	0050EST 0055EST			0	0			Hail (0.75)
Marble to dime sized hail covering the ground.									

Storm Data and Unusual Weather Phenomena

April 1998

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

ADDITIONS/CORRECTIONS

GEORGIA, Southwest

Irwin County

Ocilla	09	0110EST			0	0			Hail (0.88)
---------------	-----------	----------------	--	--	----------	----------	--	--	--------------------

Nickel sized hail reported by the Irwin County Sheriff.

Lee County

Leesburg	30	1645EST			0	0			Hail (0.75)
-----------------	-----------	----------------	--	--	----------	----------	--	--	--------------------

Marble to dime sized hail reported by the Lee County Sheriff.

Calhoun County

Morgan	30	1830EST			0	0			Hail (0.88)
---------------	-----------	----------------	--	--	----------	----------	--	--	--------------------

Nickel sized hail reported at the Calhoun County Jail.

Storm Data and Unusual Weather Phenomena

June 1998

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

ADDITIONS/CORRECTIONS

GEORGIA, Southwest

Lanier County

Countywide

05	1945EST								
				0	0	5K			Thunderstorm Wind

Straight-line winds downed numerous trees and power lines countywide.

Storm Data and Unusual Weather Phenomena

July 1998

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

ADDITIONS/CORRECTIONS

FLORIDA, Northwest

Madison County

Sirmans

02	1521EST	0	0	1K	Thunderstorm Wind
-----------	----------------	----------	----------	-----------	--------------------------

Few large trees down near Sirmans on U.S. Highway 221.

Storm Data and Unusual Weather Phenomena

July 1999

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

ADDITIONS/CORRECTIONS

WYOMING, Northeast

Campbell County 8 SE Gillette	07	1545MST			0	0			Hail (0.75)
Crook County 25 NW Hulett	07	1635MST			0	0			Thunderstorm Wind (G52)
Crook County 21 N Hulett	07	1700MST			0	0			Hail (1.00)
Weston County 10 W Upton	15	1515MST			0	0			Hail (0.75)
Campbell County 20 SE Gillette	15	1525MST			0	0			Hail (1.00)
Crook County 14 SW Sundance	15	1615MST			0	0			Hail (1.00)
Weston County 6 N Upton	15	1615MST			0	0			Hail (1.00)
Hail was one foot deep along the Crook and Weston county line.									
Weston County 15 W Four Corners	15	1640MST			0	0			Thunderstorm Wind (G52)
Crook County Devils Tower	15	1715MST			0	0			Hail (0.88)
Weston County 5 SW Newcastle	17	1424MST	0.1	10	0	0			Tornado (F0)
Brief touchdown. Path width and length estimated.									
Weston County 4 SW Upton	20	1907MST			0	0			Hail (0.75)
Weston County 16 SW Upton	20	2000MST			0	0			Hail (0.75)
Campbell County Countywide	21	1700MST			0	0			Lightning
	22	1700MST							
11 fires were started throughout the county due to lightning striking rangeland and hay bales. The largest fire reached 300 acres before firefighters were able to contain it.									
Campbell County Echeta	21	1715MST			0	0			Thunderstorm Wind (G66)

Storm Data and Unusual Weather Phenomena

February 2000

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

ADDITIONS/CORRECTIONS

MISSOURI, East

Callaway County

5 NW Kingdom City to 3 W Auxvasse	29	1817CST 1819CST	2.5	40	0	0			Tornado (F0)
--	-----------	----------------------------	------------	-----------	----------	----------	--	--	---------------------

A small tornado formed northwest of Kingdom City and traveled about 2.5 miles to just west of Auxvasse. One barn was destroyed and several trees were either uprooted or snapped off 4 to 5 feet above the ground along the path.

Storm Data and Unusual Weather Phenomena

April 2000

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

ADDITIONS/CORRECTIONS

ALABAMA, North Central

Lauderdale County

Petersville

27 1734CST

0

0

0

0

Hail (0.88)

Nickel size hail was observed in Petersville and in Underwood.

Storm Data and Unusual Weather Phenomena

August 2000

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

ADDITIONS/CORRECTIONS

ALABAMA, North Central

Lauderdale County

Petersville

10	1604CST				0	0	1K	0	Hail (1.00)
-----------	----------------	--	--	--	----------	----------	-----------	----------	--------------------

One inch diameter size hail fell in the Petersville area.

Storm Data and Unusual Weather Phenomena

September 2000

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

ADDITIONS/CORRECTIONS

FLORIDA, East Central

Volusia County

4 N New Smyrna Beach 17 1745EST 0.5 80 0 0 10K Tornado (F0)

An F0 tornado associated with the outer rainbands of Hurricane Gordon touched in the Ponce Inlet area just north of New Smyrna Beach. The small tornado tore a large awning from one home and hurled it into the roof of the home across the street. Power was lost in the neighborhood, trees were snapped off and signs and mailboxes were blown down.

Reference Notes:

Fatality Location Abbreviations:

BF	Ball Field	MH	Mobile Home
BO	Boating	OT	Other
BU	Business	OU	Outside/Open Areas
CA	Camping	PH	Permanent Home
EQ	Heavy Equipment/Construction	SC	School
GF	Golfing	TE	Telephone
IW	In Water	UT	Under Tree
LS	Long Span Roof	VE	Vehicle

List of Acronyms:

WCM	- Warning Coordination Meteorologist
NWS	- National Weather Service
NOAA	- National Oceanic and Atmospheric Administration
DST	- Daylight Savings Time
LST	- Local Standard Time
LDT	- Local Daylight Time

Other Notes:

When listing wind speed values under “Character of Storm”, ex. High Wind (G81), the “G” indicates a “Gust” which is a peak 5-second averaged wind speed in Knots (KTS). 1 kt. = 1.152 mph.

All wind speeds listed are estimated by NWS personnel by the amount and type of damage unless otherwise noted with an “M” which represents an actual wind speed as measured by official NWS approved anemometer.

When listing hail size under “Character of Storm”, ex. Hail (2.25), the hail size is given in inches and hundredths of inches.

When listing property and crop damage, the figures indicated are the best guess made by the NWS from the available sources of information at the time of the printing.

The Saffir-Simpson Scale

Category One Hurricane:

Winds 74-95 mph (64-82 kt or 119-153 kph). Storm surge generally 4-5 ft above normal. No real damage to building structures. Damage primarily to unanchored mobile homes, shrubbery, and trees. Some damage to poorly constructed signs. Also, some coastal road flooding and minor pier damage.

Category Two Hurricane:

Winds 96-110 mph (83-95 kt or 154-177 kph). Storm surge generally 6-8 feet above normal. Some roofing material, door, and window damage of buildings. Considerable damage to shrubbery and trees with some trees blown down. Considerable damage to mobile homes, poorly constructed signs, and piers. Coastal and low-lying escape routes flood 2-4 hours before arrival of the hurricane center. Small craft in unprotected anchorages break moorings.

Category Three Hurricane:

Winds 111-130 mph (96-113 kt or 178-209 kph). Storm surge generally 9-12 ft above normal. Some structural damage to small residences and utility buildings with a minor amount of curtainwall failures. Damage to shrubbery and trees with foliage blown off trees and large trees blown down. Mobile homes and poorly constructed signs are destroyed. Low-lying escape routes are cut by rising water 3-5 hours before arrival of the hurricane center. Flooding near the coast destroys smaller structures with larger structures damaged by battering of floating debris. Terrain continuously lower than 5 ft above mean sea level may be flooded inland 8 miles (13 km) or more. Evacuation of low-lying residences with several blocks of the shoreline may be required.

Category Four Hurricane:

Winds 131-155 mph (114-135 kt or 210-249 kph). Storm surge generally 13-18 ft above normal. More extensive curtainwall failures with some complete roof structure failures on small residences. Shrubs, trees, and all signs are blown down. Complete destruction of mobile homes. Extensive damage to doors and windows. Low-lying escape routes may be cut by rising water 3-5 hours before arrival of the hurricane center. Major damage to lower floors of structures near the shore. Terrain lower than 10 ft above sea level may be flooded requiring massive evacuation of residential areas as far inland as 6 miles (10 km).

Category Five Hurricane:

Winds greater than 155 mph (135 kt or 249 kph). Storm surge generally greater than 18 ft above normal. Complete roof failure on many residences and industrial buildings. Some complete building failures with small utility buildings blown over or away. All shrubs, trees, and signs blown down. Complete destruction of mobile homes. Severe and extensive window and door damage. Low-lying escape routes are cut by rising water 3-5 hours before arrival of the hurricane center. Major damage to lower floors of all structures located less than 15 ft above sea level and within 500 yards of the shoreline. Massive evacuation of residential areas on low ground within 5-10 miles (8-16 km) of the shoreline may be required.

The Fujita Scale

F-Scale	Intensity	Wind Speed (mph)	Typical Damage
F0	Gale Tornado	40 - 72	Some damage to chimneys; breaks branches off trees; pushes over shallow-rooted trees; damages sign boards.
F1	Moderate	73 - 112	The lower limit is the beginning of hurricane wind speed; peels surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads; attached garages may be destroyed.
F2	Significant	113 - 157	Considerable damage. Roofs torn off frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light object missiles generated.
F3	Severe	158 - 206	Roof and some walls torn off well constructed houses; trains overturned; most trees in fores uprooted
F4	Devastating	207 - 260	Well-constructed houses leveled; structures with weak foundations blown off some distance; cars thrown and large missiles generated.
F5	Incredible	261 - 318	Strong frame houses lifted off foundations and carried considerable distances to disintegrate; automobile sized missiles fly through the air in excess of 100 meters; trees debarked; steel reinforced concrete structures badly damaged.
F6	Inconceivable	319 - 379	These winds are very unlikely. The small area of damage they might produce would probably not be recognizable along with the mess produced by F4 and F5 wind that would surround the F6 winds.

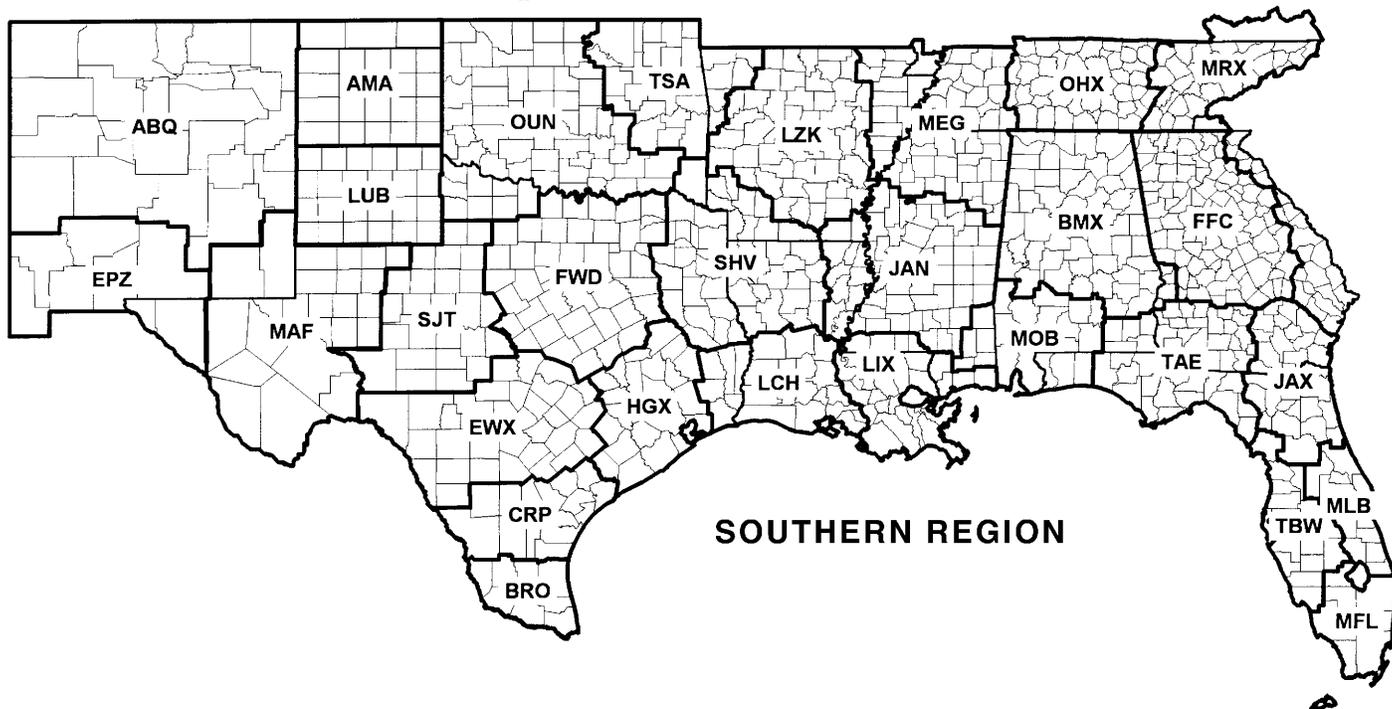


* From the Journal of Atmospheric Science, August 1981, p. 1517-1519

COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS

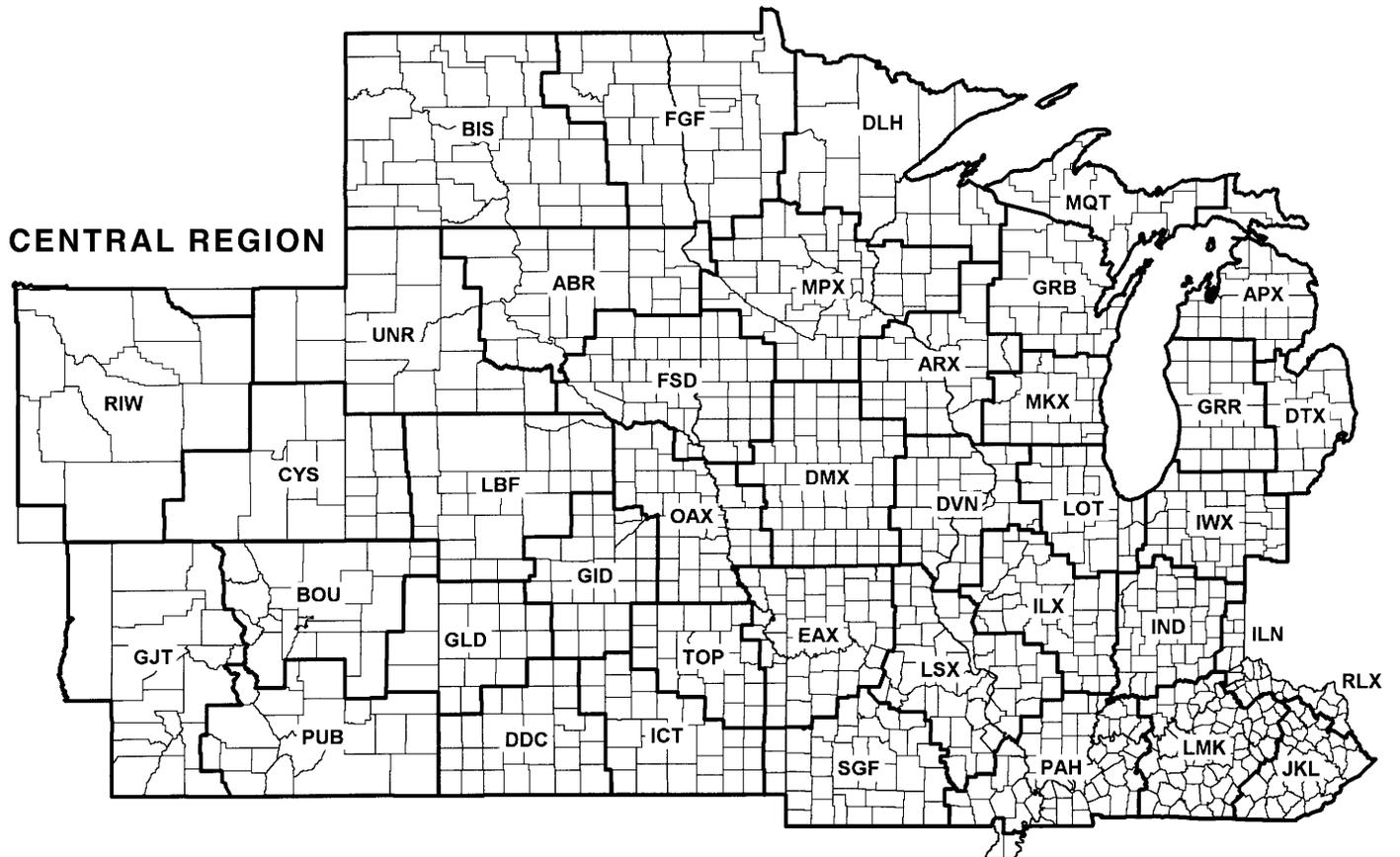
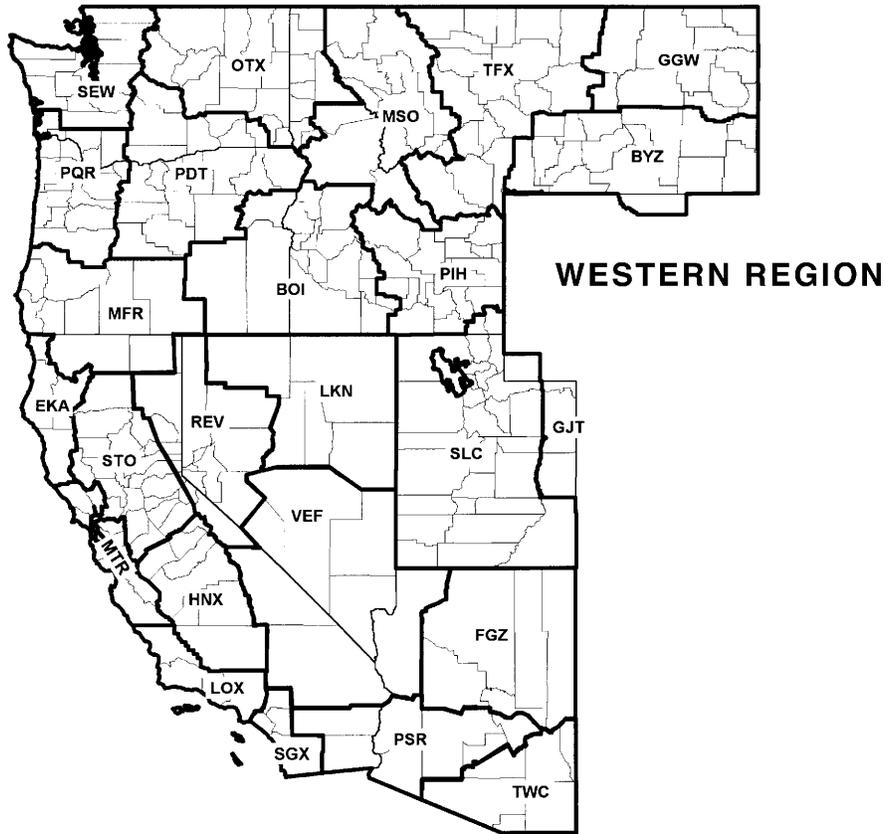


EASTERN REGION

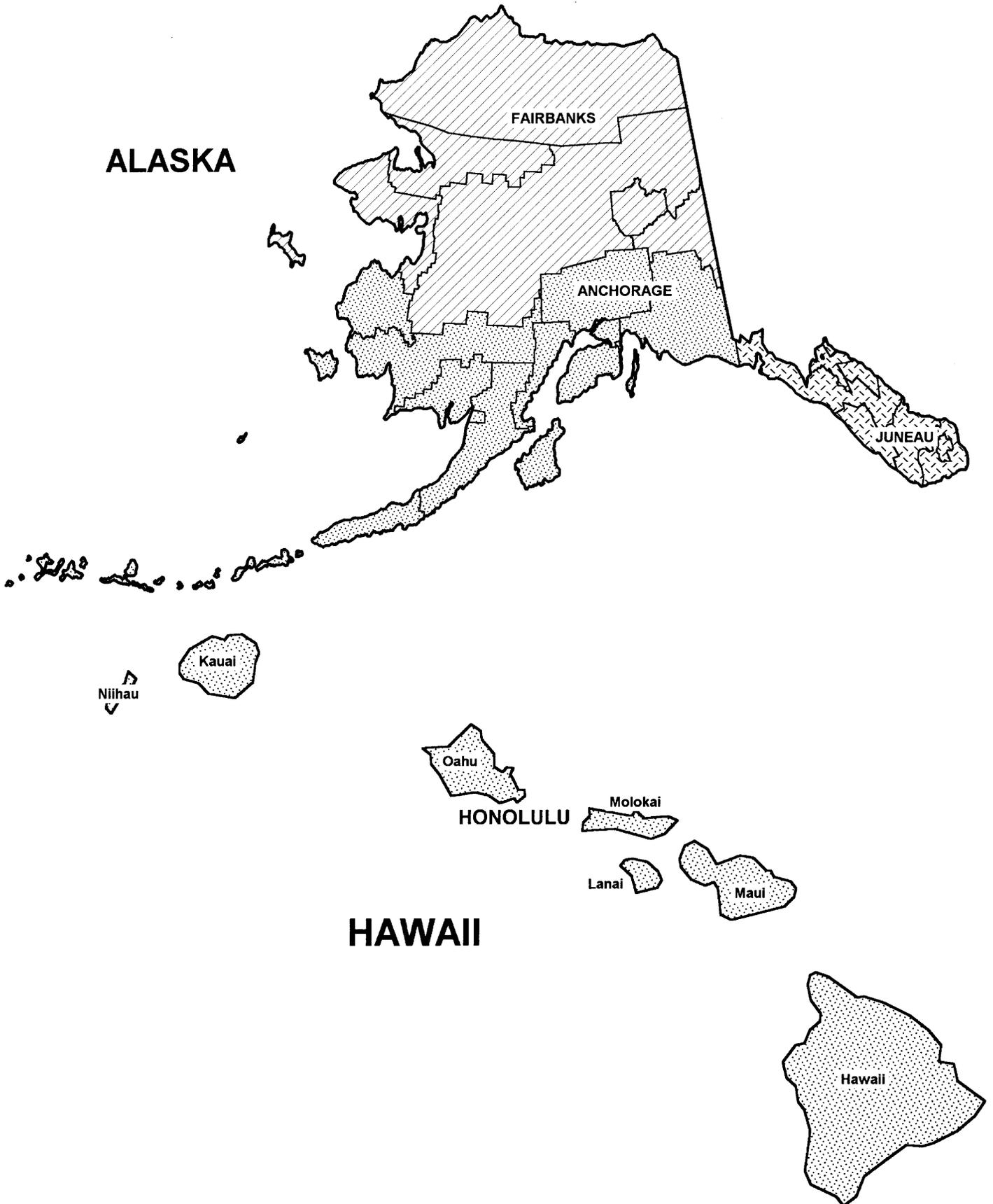


SOUTHERN REGION

COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS



MODERNIZED COUNTY WARNING AREAS



To change your address, please return a copy of the mailing label along with your new address to:

NCDC Subscription Services Center
310 State Route 956
Building 300
Rocket Center, WV 26726

Toll free number: (866) 742-3322
TDD: (828) 271-4010
Fax number: (304) 726-4409

Inquiries/Comments Call: (866) 742-3322 (Toll free)
(828) 271-4010 (TDD)
(304) 726-4409 (Fax)

Subscription Services Center
310 State Route 956
Building 300
Rocket Center, WV 26726

<p>PRSR STD POSTAGE & FEES PAID United States Department of Commerce NOAA Permit No. G-19</p>

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300
ADDRESS CORRECTION REQUESTED