

**JANUARY 2000
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NUMBER 1**

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: On January 3, 2000, an F3 tornado tosses cars around the parking lot of an apartment complex in Owensboro, Kentucky. Nearly 70 Million in damage occurred with 21 injuries and no fatalities. See page 4 for details. (*Photograph courtesy of Ricky Shanklin, Meteorologist, National Weather Service, Paducah, Kentucky*)

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STORM DATA

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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.

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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:

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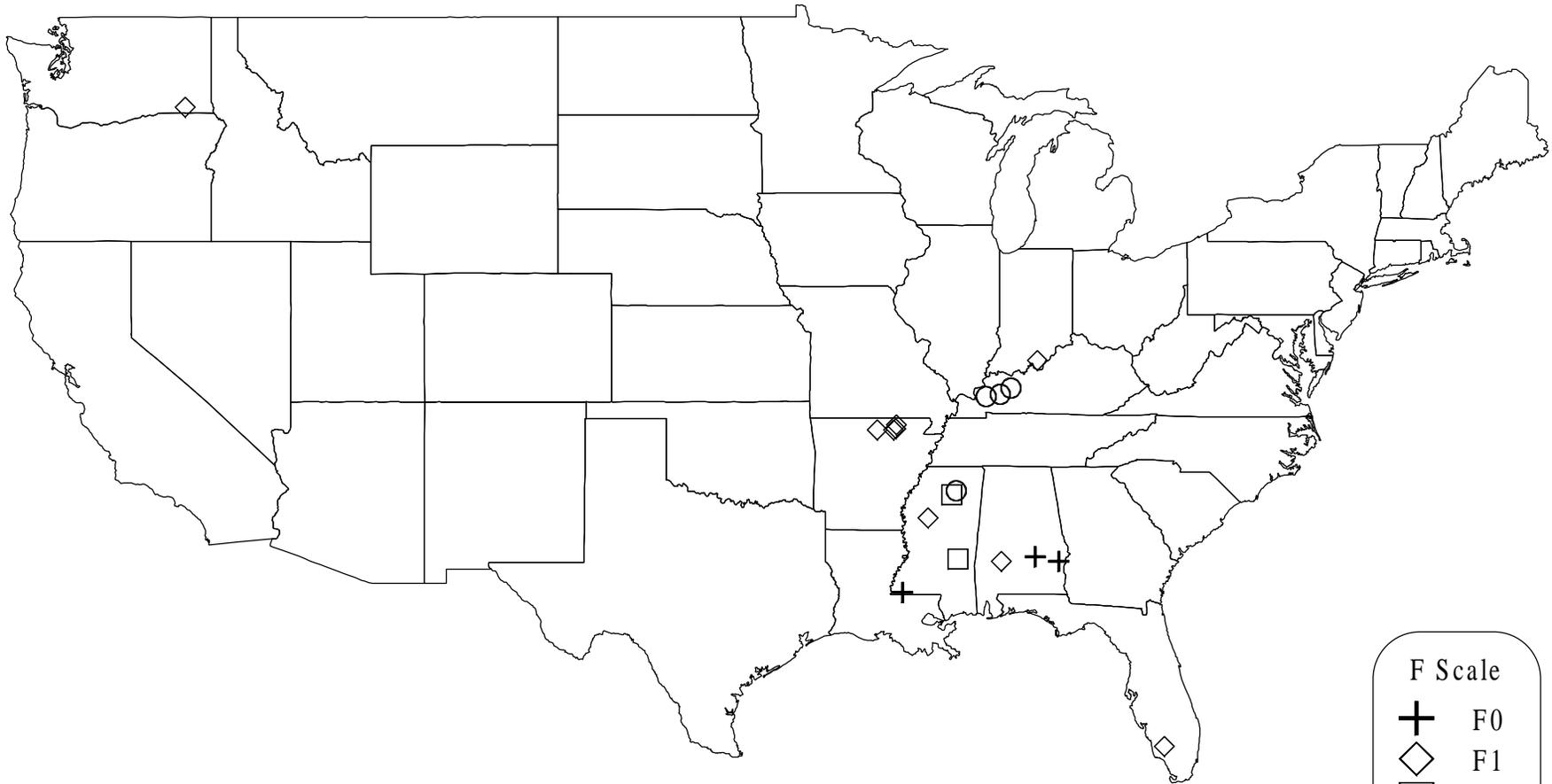
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Thomas R. Karl
Director,
National Climatic Data Center

January 2000 Confirmed Tornadoes



3

F Scale	F0	F1	F2	F3	F4	F5	Total
Number	3	9	2	4	0	0	18

F Scale

- + F0
- ◇ F1
- F2
- F3
- △ F4
- ★ F5

OUTSTANDING STORMS OF THE MONTH

1. TORNADOES TOUCH DOWN IN WESTERN KENTUCKY

Two F-3 tornadoes struck western Kentucky during the late afternoon of January 3. One long-track supercell thunderstorm spawned both tornadoes. A surface low developed over the southern plains during the early morning hours and intensified as it moved northeast. By the evening of January 3, the low was centered near St. Louis, Missouri with a cold front trailing south across southeast Missouri. Severe thunderstorms developed ahead of the cold front and during the afternoon hours. Radar loop images from the Paducah, KY WSR-88D Doppler radar indicate a strong low-level mesocyclone developed rapidly around the same time the first tornado touched down approximately 3:08 PM CST in Crayne, KY, 30 miles northeast of Paducah and 60 miles southwest of Owensboro. The tornado lifted about 40 miles southwest of Owensboro. Based on the rapid storm movement of nearly 60 knots, the National Weather Service issued a Tornado Warning at 3:43 PM CST for locations in the path of this storm as far northeast as Owensboro. Approximately 25 minutes after the Tornado Warning, the cell produced a second F-3 tornado just southwest of Owensboro. This tornado moved directly through Owensboro before lifting near the eastern edge of the city. This was the only tornado-producing thunderstorm of the day in the Paducah County Warning Area; however storm damage exceeded any other single storm in the region since 1995. Twenty-one injuries and no fatalities were reported while damage is estimated near 70 million.



Left: This entire building was destroyed by an F3 tornado as it moved through the town of Crayne in Crittenden County Kentucky.

(Photograph courtesy of Rick Shanklin, Warning Coordination Meteorologist, National Weather Service, Paducah, KY.)

Right: The Wesleyan Village apartment complex was severely damaged by the F3 tornado as it moved through the center of Owensboro, KY. Note the piece of wood through the windshield of the car in the foreground.

(Photograph courtesy of Rick Shanklin, Warning Coordination Meteorologist, National Weather Service, Paducah, KY.)





Above Left: The high winds caused by the tornado uprooted several trees. This tree toppled onto a home in Crayne, KY.



Above Right: Another view of the Wesleyan Village apartment complex in Owensboro, KY.

(Special thanks to Michael York, Meteorologist, National Weather Service, Paducah, KY for contributing to this article)



Above Left: Another view of the Wesleyan Village apartment complex in Owensboro, KY.



Above Right: A damaged residence at Crayne in Crittenden County.

(All Photographs courtesy of Rick Shanklin, Warning Coordination Meteorologist, National Weather Service, Paducah, KY.)

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
ALABAMA, North Central									
ALZ024			Jefferson						
		02 1600CST			0	0	0	0	Excessive Heat
		The high temperature at the Birmingham International Airport was 72 degrees. This tied the record high temperature.							
ALZ044			Montgomery						
		02 1600CST			0	0	0	0	Excessive Heat
		The high temperature at Dannelly Field was 76 degrees. This tied the record high temperature.							
ALZ006			Madison						
		03 1600CST			0	0	0	0	Excessive Heat
		A new record high temperature of 72 degrees was observed at the Huntsville International Airport.							
ALZ024			Jefferson						
		03 1600CST			0	0	0	0	Excessive Heat
		The high temperature at the Birmingham International Airport was 72 degrees. This tied the record high temperature.							
ALZ044			Montgomery						
		03 1600CST			0	0	0	0	Excessive Heat
		The high temperature at Dannelly Field was 77 degrees. This tied the record high temperature.							
ALZ002			Colbert						
		03 1645CST			0	0	2K	0	High Wind (G45)
		Windows were blown out of a home on Mt. Hester Road about 2 miles northwest of Mt. Hester. Numerous trees were knocked down along the Natchez Trace Parkway. Damage was believed caused by strong gradient wind ahead of thunderstorms that had not yet reached the area.							
Lauderdale County									
			3 E Florence						
		03 1725CST			0	0	5K	0	Thunderstorm Wind (G50)
		A restaurant along US 72, a few miles east of Florence, sustained roof damage. Trees were reported blown down in the same location.							
Marion County									
			6 NW Hackleburg						
		03 1734CST			0	0	2K	0	Thunderstorm Wind (G50)
		Trees were blown down near Hodges Dam along the Marion-Franklin county line.							
Marion County									
			4 E Bear Creek						
		03 1745CST			0	0	2K	0	Thunderstorm Wind (G50)
		Trees were blown down 4 miles east of Bear Creek on CR 79.							
Lauderdale County									
			Countywide						
		03 1800CST 1825CST			0	0	50K	0	Thunderstorm Wind (G60)
		Wind damage to structures and trees occurred in several locations throughout the county. A barn and a trailer were damaged in the Lexington area. Numerous large oak trees were blown down in the Bluff View Shores area. A Wendy's restaurant in Florence lost its roof. A business in Rogersville had its front down blown in. Several large limbs and power lines were knocked down near Sweetwater.							
Colbert County									
			Countywide						
		03 1805CST 1840CST			0	0	30K	0	Thunderstorm Wind (G60)
		Numerous trees and power lines were blown down by thunderstorm wind throughout the county, but mainly in the central and eastern parts. Roofs were blown off of a few barns in Colbert Heights, south of Tusculmbia. Gutters were knocked off several homes in eastern Tusculmbia. One vehicle was heavily damaged when a tree fell on it.							
Limestone County									
			Athens						
		03 2205CST			0	0	2K	0	Thunderstorm Wind (G55)
		A few trees and limbs were blown down just east of Athens. A few trees were also knocked over just west of Athens and some of the trees fell onto the roadways.							
Madison County									
			Huntsville						
		03 2210CST			0	0	2K	0	Thunderstorm Wind (G55)
		Trees and power lines were blown down on Rigby Lane and on Polaski Pike. Trees were also knocked down on Knight Road at Elmore. Trees blocked the intersection of 7th Street and 6th Avenue downtown.							
Madison County									
			New Market						
		03 2220CST			0	0	10K	0	Thunderstorm Wind (G55)
		A home in New Market was damaged when a large tree was blown over onto it.							

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
ALABAMA, North Central									
Morgan County									
Laceys Spg	03	2230CST			0	0	25K	0	Thunderstorm Wind (G50)
A few trees were blown down in Laceys Spring. Both trees fell onto vehicles destroying them.									
Tuscaloosa County									
Tuscaloosa	03	2315CST			0	0	2K	0	Thunderstorm Wind (G50)
A few trees were knocked down in the city of Tuscaloosa, and several power outages were reported.									
Walker County									
Countywide	03	2325CST 2335CST			0	0	4K	0	Thunderstorm Wind (G55)
Numerous trees were knocked down by thunderstorm wind throughout the county.									
Morgan County									
Countywide	03	2330CST 2340CST			0	0	5K	0	Thunderstorm Wind (G50)
Numerous trees were reported down throughout the county.									
Talladega County									
Sylacauga	04	0200CST			0	0	5K	0	Thunderstorm Wind (G50)
Numerous trees were blown down in and around the city of Sylacauga.									
Perry County									
5 SW Suttle	09	0930CST			0	0	2K	0	Thunderstorm Wind (G50)
A barn sustained minor wind damage. A portion of its roof was peeled back and torn off and one wall was partially damaged.									
Perry County									
Sprott	09	1000CST			0	0	1K	0	Thunderstorm Wind (G50)
Two trees were blown down along SR 183 near Sprott.									
Dallas County									
Salem	09	1335CST			0	0	2K	0	Thunderstorm Wind (G50)
Several trees were knocked down on CR 3 near Salem. Some of the trees blocked the road.									
Elmore County									
Tallassee	09	1455CST			0	0	0	0	Hail (0.75)
Penny size hail was reported in Tallassee.									
Autauga County									
Prattville	09	1504CST			0	0	10K	0	Thunderstorm Wind (G55)
A few large trees were blown down in Prattville. One home received chimney damage and shingles were blown off the roof. A fence on the same property was blown down and destroyed.									
Lowndes County									
Lowndesboro	09	1525CST			0	0	0	0	Hail (0.88)
Dime to nickel size hail fell around Lowndesboro.									
Montgomery County									
6 SSW Montgomery	09	1556CST	0.1	20	0	1	20K	0	Tornado (F0)
A weak tornado briefly touched down just south of exit 167 on I-65. One motorists, traveling northbound, had his car spun around and overturned. The car was totaled and the driver sustained minor injuries.									
ALZ006									
Madison									
	09	1600CST			0	0	0	0	Excessive Heat
A new record high temperature of 67 degrees was observed at the Huntsville International Airport.									
Montgomery County									
Montgomery	09	1600CST			0	0	0	0	Hail (0.75)
Dime size hail was reported in downtown Montgomery.									
Bullock County									
2.5 S Midway to 2.8 SE Midway	09	1622CST 1623CST	1	30	0	0	0	0	Tornado (F0)
A weak tornado briefly touched down near Midway. Several trees were blown down. No injuries were reported.									
Bullock County									
Midway	09	1630CST			0	0	0	0	Hail (0.88)
Nickel size hail was reported on Pine Grove Road near Midway Station.									

Storm Data and Unusual Weather Phenomena

January 2000

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

ALABAMA, North Central

Chilton County

Clanton **09 2300CST** **0** **0** **1K** **0** **Thunderstorm Wind (G55)**
 Trees were blown down along SR 22 near Clanton.

Clay County

Countywide **09 2320CST** **0** **0** **4K** **0** **Thunderstorm Wind (G55)**
2355CST
 Trees and power lines were knocked down in several locations across the county.

Randolph County

Countywide **09 2352CST** **0** **0** **150K** **0** **Thunderstorm Wind (G65)**
10 0024CST
 Damaging thunderstorm wind moved across the county around midnight. As the storm entered the county, a barn roof was damaged, and a chicken house lost its roof near the intersection of US 431 and CR 82. A barn was totally destroyed, several homes sustained roof damage, and trees and power lines were blown down along CR 82 across northern Randolph County. In northeast Randolph County on CR 422, chicken houses and homes sustained roof and some structural damage.

Randolph County

13 NNW Wedowee **10 0005CST** **0** **0** **5K** **0** **Hail (1.75)**
 Golfball size hail was reported on US 431 just inside the Randolph County line north-northwest of Wedowee.

Pike County

Troy **10 0230CST** **0** **0** **20K** **0** **Thunderstorm Wind (G55)**
 Large tree limbs were knocked down onto power lines across the city causing numerous power outages. Newspaper reports indicated businesses along US 231 Bypass received minor roof and shutter damage and some signs were destroyed.

Barbour County

4 SW Comer **10 0251CST** **0** **0** **2K** **0** **Thunderstorm Wind (G55)**
 Several old oak trees were blown down and blocked the road on CR 49 and Daniels Lane.

ALZ009>010-020

Jackson - Dekalb - Cherokee

22 0900CST **0** **0** **2.7M** **0** **Ice Storm**
23 1200CST

A light mixture of rain, freezing rain, sleet, and snow started on the morning of the 22nd. Several bridges became ice covered and numerous trees received a glaze of ice. Several trees and tree limbs started breaking and falling on roads by 9:00 PM. Scattered power outages were also being reported by late evening. Very early on the 23rd, around 1:30 AM, temperatures cooled off to the point where significant icing began taking place. Numerous locations received icing up to at least one inch. Trees and power lines were downed throughout the area and many downed trees blocked roads. Numerous roads were closed, especially at higher elevations. The Alabama National Guard was activated and dispatched to northeast Alabama to help in tree removal and cleanup. Thousands of customers were without power for several days. Numerous homes and automobiles were damaged by falling trees. An Alabama man was killed around 3:30 AM on the 23rd when he drove his car into a large mass of tree limbs covering SR 71 near Rosalie. Numerous other traffic accidents were reported and several people had minor injuries.

ALZ001>004-

011>013-022>023-030>032

Lauderdale - Colbert - Franklin - Lawrence - Marion - Lamar - Fayette - Pickens - Tuscaloosa - Sumter - Greene - Hale

27 2100CST **0** **0** **170K** **0** **Winter Storm**
29 0700CST

A mixture of sleet and snow began falling in the late evening on the 27th. The heaviest snowfall occurred during the overnight hours. Snow accumulations were the highest the morning of the 28th, with an average of 3 to 5 inches across the area. Temperatures warmed up during the day and the precipitation changed mostly to light rain. During the nighttime hours on the 28th and the 29th, the rain was occasionally mixed with sleet or freezing rain. No additional significant accumulation of freezing or frozen precipitation occurred after the snowfall. Roadways were briefly hazardous the morning of the 28th and several minor auto accidents occurred. Most area schools were closed on the 28th.

ALZ005-007-

014>017-024>027-033>037-041-043

Limestone - Morgan - Winston - Walker - Cullman - Blount - Jefferson - Shelby - St. Clair - Talladega - Perry - Bibb - Chilton - Coosa - Tallapoosa - Autauga - Elmore

28 0000CST **0** **0** **227K** **0** **Winter Storm**
29 0800CST

A mixture of sleet and snow started falling during the early morning hours on the 28th. Total average snow accumulations were 2 to 3 inches. The snow changed to mainly rain during daylight hours on the 28th but was occasionally mixed with freezing rain or sleet. The higher elevations of St. Clair, Blount, Cullman, Morgan, and Tallapoosa counties received some light accumulations of freezing rain during the overnight hours on the 29th. Accumulation was mainly confined to tree tops and elevated surfaces. Most area schools were closed on the 28th and roads were briefly hazardous. Several minor auto accidents occurred across the area.

Storm Data and Unusual Weather Phenomena

January 2000

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

ALABAMA, North Central

ALZ006-008-018>019-028 **Madison - Marshall - Etowah - Calhoun - Clay**

28	0400CST				0	0	75K	0	Winter Storm
29	1000CST								

A mixture of rain, sleet, and snow began falling during the early morning hours on the 28th. Snow accumulations were rather light, with most areas receiving less than 1 inch. The exception was Clay County where some locations reported up to 2 inches. The precipitation changed to mostly rain during the daylight hours on the 28th but started to mix with freezing rain and sleet again in the nighttime hours. Although the precipitation was mainly light, trees were becoming coated with ice across higher elevations of Marshall, Etowah, and Calhoun. This lasted into the morning hours on the 29th. Several trees succumbed to the weight of the ice.

ALZ009>010-020>021-029-038 **Jackson - Dekalb - Cherokee - Cleburne - Randolph - Chambers**

28	0600CST				0	0	1.1M	0	Ice Storm
29	1600CST								

Very light precipitation started falling early in the morning of the 28th. The precipitation was initially a mix of rain, sleet, and snow. Little to no accumulation of snow occurred across the area. As the day progressed, the precipitation changed to light freezing rain and lasted until the afternoon of the 29th. Significant accumulation of ice occurred on trees and bridges mainly in the higher elevations. Most of this same area was hit very hard by an ice storm on the 22nd and 23rd and had not recovered yet. Numerous trees and power lines went down across the area and several homes and automobiles were damaged by the falling trees. Many roads were impassable and closed. A young man was killed in Dekalb County when a car slid into him while he was riding a four wheeler. Thousands of people were without power for several hours.

ALABAMA, Southeast

Coffee County

1 S New Brockton	10	0400EST			0	0	15K		Thunderstorm Wind
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Several downed pine trees and a barn roof damaged on County Rd 543 just south of New Brockton reported by the Coffee County EM.

Dale County

1 E Ozark	10	0400EST			0	0	1K		Thunderstorm Wind
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Large trees down just east of Ozark reported by the Dale County S.O.

Henry County

2 SW Abbeville	10	0400EST			0	0	1K		Thunderstorm Wind
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Large trees down on State Rd 27 southwest of Abbeville reported by the Henry County S.O.

ALABAMA, Southwest

Wilcox County

Millers Ferry	09	1645CST 1647CST			0	0	5K		Thunderstorm Wind (G50)
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Trees and power lines were blown down near Millers Ferry.

Choctaw County

Butler	09	2120CST 2122CST			0	0	5K		Thunderstorm Wind (G50)
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Trees and power lines were blown down just west of Butler.

Choctaw County

Naheola	09	2125CST 2127CST			0	0			Hail (0.75)
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Dime size hail was reported.

Choctaw County

Pennington	09	2240CST 2355CST			0	0			Flash Flood
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Local law enforcement indicated that water from heavy rains was covering roads in the community. Highway 156 was reported closed for a short time. WSR-88D radar estimated that four to five inches of rain fell across the area.

Choctaw County

Silas	09	2255CST 2257CST			0	0	4K		Thunderstorm Wind (G50)
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Trees were blown down along State Highway 17 just southwest of Silas.

Storm Data and Unusual Weather Phenomena

January 2000

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

ALABAMA, Southwest

Marengo County

Dixons Mills to Surginer	09	2305CST 2325CST	6.5	300	0	0	500K	Tornado (F1)
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A tornado was reported first touching down just inside the Marengo County line about 3 miles south of Dixons Mills. The storm then crossed U. S. Highway 43 about 2.5 miles south of Dixons Mills. Storm track was northeast...crossing County Road 37 and then across State Highway 10 just west of County Road 55. The storm then moved across County Roads 55 and 45. Almost all the damage along this track was to trees. The tornado appeared to be near tree top level along this path.

The storm then moved across County Road 56 near Surginer just to the east of County Road 45. This is where most of the structural damage occurred. Two mobile homes were demolished. One home sustained major roof damage, while two others suffered roof and structural damage along County Road 56. Damage was also done to barns and outbuildings here. The tornado lifted back into the cloud just north of County Road 56. No injuries were reported.

Washington County

Frankville	10	0025CST 0026CST			0	0	5K	Thunderstorm Wind (G50)
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High winds damaged a couple of roofs in the Frankville area. An awning was also damaged.

Baldwin County

Tensaw	10	0100CST 0102CST			0	0	5K	Thunderstorm Wind (G50)
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Trees and power lines were blown down near Tensaw.

Conecuh County

Castleberry	10	0155CST 0157CST			0	0	5K	Thunderstorm Wind (G50)
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Several trees were blown down along U. S. Highway 31 near Castleberry.

Mobile County

Dauphin Is	24	0107CST 0108CST			0	0		Hail (0.88)
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Nickel size hail was reported on Dauphin Island.

Baldwin County

Ft Morgan	24	0115CST 0116CST			0	0		Hail (0.75)
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Dime size hail was reported near Fort Morgan.

ALZ039-051>058-060

Marengo - Choctaw - Washington - Clarke - Wilcox - Monroe - Conecuh - Butler - Crenshaw - Covington

	27	2200CST			0	0		Sleet
	28	0700CST						

Sleet fell over much of the area during the overnight hours of January 27 and 28. Very little accumulation was noticed except in Marengo county where a glaze of ice accumulated on some of the side streets. No roads had to be closed and traffic was still able to flow in a normal manner. A couple of the county school systems had closed due to the threat of icing. Most of the snow, heavier sleet and freezing rain fell farther north across central and north Alabama.

ALASKA, Northern

AKZ001

Arctic Slope Coastal

	01	0000AST			0	0		Blizzard
	02	0435AST						

AKZ001

Arctic Slope Coastal

	01	0000AST 0500AST			0	0		High Wind (G38)
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Event continued from December 1999. Large low pressure center 600 miles northeast of Prudhoe Bay drifted southwest to 450 miles northeast of Prudhoe Bay with a weather front moving southeast over the Beaufort Sea. Strong high pressure remaining over Russia Far East created strong winds and blizzard conditions over the eastern Arctic Coast, along with low wind chills initially.

Blizzard conditions occurred at: Deadhorse, Barter Island

High wind occurred at Deadhorse ASOS: gust to 44 mph.

AKZ005

Upper Yukon Valley

	02	0700AST			0	0		Extreme Windchill
	03	1600AST						

High pressure over the southern Yukon Territory of Canada produced gusty southeast wind along the Yukon River near Eagle, with ambient temperatures ranging from 25 to 30 below. Coldest wind chill value reported by Eagle ASOS was -81 F.

Storm Data and Unusual Weather Phenomena

January 2000

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

ALASKA, Northern

AKZ009	St. Lawrence Island-Bering Strait Coast								
	06	1500AST				0	0		Blizzard
	07	0600AST							
AKZ003-009	Lower Kobuk Valley-Northern Seward Peninsula - St. Lawrence Island-Bering Strait Coast								
	06	1600AST				0	0		High Wind (G50)
	08	0600AST							
	Strong Low in the Gulf of Alaska and slowly building High pressure over Russia Far East caused winds to increase at certain locations over the west coast of Alaska, namely Gambell on St. Lawrence Island, and Kivalina north of the Lower Kobuk Valley. Blizzard conditions also occurred at Gambel during this time. Highest winds were: Kivalina ASOS 47 mph sustained, gust 52 mph. Gambell AWOS 51 mph sustained, gust 58 mph.								
AKZ007	Tanana Valley								
	07	0700AST				0	0		High Wind (G43)
		1200AST							
	Strong Low pressure in the Gulf of Alaska with a ridge of high pressure over the Alaska-Canada border produced strong east winds along the Tanana River at Delta Junction. Highest wind reported by Delta Junction ASOS was 40 mph sustained, gust 49 mph.								
AKZ003	Lower Kobuk Valley-Northern Seward Peninsula								
	12	2017AST				0	0		Extreme Windchill
	13	0400AST							
AKZ001>003-009	Arctic Slope Coastal - North Slopes Of Brooks Range - Lower Kobuk Valley-Northern Seward Peninsula - St. Lawrence Island-Bering Strait Coast								
	13	0100AST				0	0		High Wind (G52)
	15	0600AST							
AKZ003	Lower Kobuk Valley-Northern Seward Peninsula								
	13	0900AST				0	0		Heavy Snow
	14	0900AST							
AKZ001>003-006-009	Arctic Slope Coastal - North Slopes Of Brooks Range - Lower Kobuk Valley-Northern Seward Peninsula - Southern Seward Peninsula-Eastern Norton Sound - St. Lawrence Island-Bering Strait Coast								
	13	0943AST				0	0		Blizzard
	15	1300AST							

A strong and complex frontal system over Russia Far East moved across the Bering Sea...Chukotsk Peninsula ...and into the Chukchi Sea on the 13th. On the morning of the 14th, a low pressure center of 984 mb was located 480 miles northwest of Barrow with the cold front extending due south over the far western Brooks Range and central Seward Peninsula. On the afternoon of the 14th, the low had moved to 420 miles north of Barrow while the cold front had swept east and was east of the Canada Border. The low drifted north thereafter with the lingering west winds across the Arctic coast slowly diminishing through the afternoon of the 15th.

Blizzard conditions reported at:

Arctic Slope Coastal: Barrow, Kuparuk, Nuiqsut, Deadhorse.

North Slopes of the Brooks Range: Alaska Department of Transportation noted Dalton Highway north of Atigun Pass closed due to blowing and drifting snow.

Northern Seward Peninsula-Lower Kobuk Valley to Cape Lisburne: Kotzebue, Deering, Selawik, Kivalina, unofficially at Co-op site at Sheshalik (OTZ 17 NW)

St. Lawrence Island-Bering Strait Coast:: Savoonga

Southern Seward Peninsula and Eastern Norton Sound: Golovin

Highest Winds reported at:

Arctic Slope Coastal: Point Lay AWOS gust 48 mph, Nuiqsut ASOS gust 44 mph, Deadhorse ASOS gust 45 mph, Barrow ASOS gust 44 mph.

North Slopes of the Brooks Range: Sag River D.O.T. Camp reported gusts 50-60 mph on morning of the 14th.

Northern Seward Peninsula-Lower Kobuk Valley to Cape Lisburne: Point Hope AWOS gust 56 mph; Red Dog Mine gusts 49 mph; Shishmaref AWOS gusts 53 mph; Deering ASOS gust 53 mph.

St. Lawrence Island-Bering Strait Coast: Tin City AWOS gust 55 mph; Cape Prince of Wales PMEL platform gust 60 mph.

Extreme Wind Chill:

Northern Seward Peninsula-Lower Kobuk Valley to Cape Lisburne: Kotzebue -74 F; Selawik -75 F.

Heavy Snow

Northern Seward Peninsula-Lower Kobuk Valley to Cape Lisburne: Kivalina Co-op observer: 6.0" snow in 24 hours ending 9am on the 14th.

Storm Data and Unusual Weather Phenomena

January 2000

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

ALASKA, Northern

AKZ006>008	Southern Seward Peninsula-Eastern Norton Sound - Tanana Valley - Lower Yukon Valley								
	15	0900AST				0	0		Heavy Snow
	18	1500AST							
AKZ006>007-009	Southern Seward Peninsula-Eastern Norton Sound - Tanana Valley - St. Lawrence Island-Bering Strait Coast								
	15	1135AST				0	0		Blizzard
	18	1815AST							
AKZ009	St. Lawrence Island-Bering Strait Coast								
	17	1135AST				0	0		High Wind (G46)
	19	0200AST							
AKZ007>008	Tanana Valley - Lower Yukon Valley								
	17	1800AST				0	0		Ice Storm
	18	2300AST							

A frontal system over Kamchatka moved over the north Bering Sea on the 15th, with a low pressure center forming on the front over the Seward Peninsula early on the 16th. The complex weakened and drifted south to lie over Norton Sound on the evening of the 16th. Between the 16th and 20th a series of frontal systems moved from the North Pacific across the southwest interior of Alaska before dissipating along the central Brooks Range. These weather systems brought local blizzards and high winds to the west coast of Alaska, and heavy snows and freezing precipitation to Alaska's west coast and interior.

Blizzard conditions occurred at:

St. Lawrence Island-Bering Strait Coast: Savoonga: 15th; Gambell 17th; 18th-19th.

Southern Seward Peninsula and Eastern Norton Sound: Golovin 15th-16th

Tanana Valley: Healy 18th

High Wind occurred at:

St. Lawrence Island-Bering Strait Coast: Gambell AWOS 17th and 18th-19th: gust 53 mph

Heavy Snow occurred at (24 hour amounts):

Southern Seward Peninsula and Eastern Norton Sound: Koyuk 16th 10.0".

Lower Yukon Valley: Ruby 17th: 10.0" and 18th 7.0"

Tanana Valley: Eielson AFB 18th: 7.1"

NWS climo site (fai ap#2) 18th: 8.6"

Ester Dome: 17th: 6.7"; 18th: 6.3"

Upper Gilmore Trail 18th: 10.7"

Keystone Ridge 18th: 9.9"

Haystack Mountain 18th: 6.6"

Minchumina 18th: 11.0"

Becker Ridge 18th: 8.8"

Kobe Hill 17th: 8.1"; 18th: 9.3"; 19th 6.3".

Healy 17th: 6.0"; 18th: 8.0"

Ft. Knox Mine 18th: 6.0"

Two Rivers 18th: 8.2"

McKinley Park 18th: 6.2"

North Pole 18th: 7.5"

Gilmore Creek 18th: 7.2"

Chena Ridge 18th: 11.4"

Fox 18th: 8.0"

Moose Creek 18th: 7.8"

W Chena Ridge 18th: 8.8"

Anderson 18th: 7.0"

College 5NW 18th: 6.1"

College Observatory 18th: 6.0"

Goldstream 18th: 8.3"

Salcha 17th: 7.0 "; 18th: 8.0 "

Freezing Precipitation occurred at:

Tanana Valley: Minchumina Lake reported Glaze on the morning of the 18th; Healy reported freezing Rain on Parks Highway in remarks section of observation sent at 2148 on the 18th.

Lower Yukon Valley: Minchumina Lake reported glaze on morning of 18th, it's likely freezing rain fall over Kuskokwim Mountains at times during the period.

Southern Seward Peninsula and Eastern Norton Sound: Unalakleet. reported freezing drizzle.

Storm Data and Unusual Weather Phenomena

January 2000

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

ALASKA, Northern

AKZ001-009 Arctic Slope Coastal - St. Lawrence Island-Bering Strait Coast
 19 2000AST 0 0 Extreme Windchill
 21 0900AST

AKZ001-009 Arctic Slope Coastal - St. Lawrence Island-Bering Strait Coast
 20 1100AST 0 0 Blizzard
 21 1800AST

AKZ009 St. Lawrence Island-Bering Strait Coast
 20 1100AST 0 0 High Wind (G51)
 21 1735AST

AKZ003>004 Lower Kobuk Valley-Northern Seward Peninsula - Koyukuk-Upper Kobuk Valleys
 21 1000AST 0 0 Heavy Snow
 22 2000AST

A storm center as deep as 962 millibars moved slowly northeast from southwest of Kamchatka on the 18th to the southwest Bering Sea on the 20th. The storm weakened as it moved northeast, dissipating over northwest Alaska on the morning of the 22nd. The system brought Blizzard conditions and local high winds to the western Alaska and Arctic coasts, and heavy snows to the northern Koyukuk Valley.

Blizzard conditions occurred at:
 St. Lawrence Island - Bering Strait: Gambell

Extreme Wind Chill occurred at:
 St. Lawrence Island - Bering Strait: Tin City 20th-21st: -78
 Arctic Slope Coastal: Point Lay 21st: -89

High Wind occurred at:
 St. Lawrence Island - Bering Strait: Gambell AWOS 20th-21st: gusts to 59 mph

Heavy Snow occurred (24 hour amounts) at:
 Koyukuk-Upper Kobuk Valleys: Wiseman: 21st: 6.0"; 22nd: 17.0"
 Northern Seward Peninsula-Lower Kobuk Valley: Noatak; 22nd: 6.5".

AKZ003 Lower Kobuk Valley-Northern Seward Peninsula
 19 2115AST 0 0 Extreme Windchill
 20 1335AST

The remains of a weakening low pressure center over northwest Alaska produced a period of low windchill values at Point Hope in the colder air and northerly winds on the back side of the Low center. Lowest Wind Chill value at Point Hope: -74.

AKZ004>006-008 Koyukuk-Upper Kobuk Valleys - Upper Yukon Valley - Southern Seward Peninsula-Eastern Norton Sound - Lower Yukon Valley
 22 0800AST 0 0 Heavy Snow
 24 2000AST

AKZ007-009>010 Tanana Valley - St. Lawrence Island-Bering Strait Coast - Yukon Delta
 22 1200AST 0 0 High Wind (G66)
 25 0100AST

AKZ001-003-006-009 Arctic Slope Coastal - Lower Kobuk Valley-Northern Seward Peninsula - Southern Seward Peninsula-Eastern Norton Sound - St. Lawrence Island-Bering Strait Coast
 22 1415AST 0 0 Blizzard
 24 1915AST

AKZ010 Yukon Delta
 22 1800AST 0 0 Ice Storm
 2300AST

AKZ003 Lower Kobuk Valley-Northern Seward Peninsula
 24 0435AST 0 0 Extreme Windchill
 2200AST

A storm as deep as 951 millibars early on the 23rd, moved slowly northeast over the Bering Sea, eventually dissipating over Saint Matthew Island on the afternoon of the 25th. The associated weather front which moved northeast over interior Alaska on the 23rd and 24th, bringing a variety of winter weather to northern Alaska.

Blizzard conditions occurred at:
 St. Lawrence Island-Bering Strait Coast: Gambell
 Arctic Slope Coastal: Point Lay, Wainwright, Barrow, Kuparuk, Nuiqsut, Deadhorse.
 Southern Seward Peninsula-Eastern Norton Sound: Nome, Golovin
 Northern Seward Peninsula-Lower Kobuk Valley: Kivalina, Point Hope

Storm Data and Unusual Weather Phenomena

January 2000

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

ALASKA, Northern

Extreme Wind Chill occurred at:
Northern Seward Peninsula-Lower Kobuk Valley: Point Hope : -74F

Freezing Precipitation:
Yukon Delta: Saint Marys possibly had freezing rain for a few hours, as inferred from AWOS.

Highest Wind occurred at:
St. Lawrence Island-Bering Strait Coast: Gambell AWOS 58 mph sustained, gust 76 mph.
Yukon Delta: Saint Marys AWOS: 44 mph sustained, gusts to 64 mph.
Tanana Valley: Delta Junction ASOS: 53 mph sustained, gust 63 mph ; Healy 40 mph sustained, gust 60 mph.

Heavy Snow (24 hour amounts) occurred at:
Southern Seward Peninsula-Eastern Norton Sound: Nome, Koyuk: 6.0 "
Upper Yukon Valley: Chandalar Lake #2: 23rd: 9.0"; 24th: 10.0"
Koyukuk-Upper Kobuk Valleys: Wiseman: 23rd: 15.0"; 24th: 15.5"
Lower Yukon Valley: Nulato: 23rd 9.6"; Kaltag 23rd: 7.0", 24th: 7.0".

AKZ009

St. Lawrence Island-Bering Strait Coast

28	2000AST	0	0		Extreme Windchill
29	0515AST				

A small low pressure center moved north over the Bering Sea producing moderate winds at Gambell and Savoonga while a cold airmas was in place. Coldest Wind Chills reported were: Gambell -78 F; Savoonga -77 F.

AKZ004

Koyukuk-Upper Kobuk Valleys

31	0800AST	0	0		High Wind (G56)
	2359AST				

Persistent high pressure in the Arctic sector of Alaska interacted with low pressure moving northeast into the Yukon Territory of Canada. Maximum wind gusts in Atigun Pass reported by State of Alaska Department of Transportation were estimated at 65 mph.

ALASKA, Southeast

AKZ022

Cape Fairweather To Cape Suckling-Coastal Area

04	1200AST	0	0		Heavy Snow
	1800AST				

Heavy snow shower event mostly west of Yakutat. Satellite imagery estimate west of Yakutat 8 inches or more. Yakutat 4 inches.

AKZ024

Lynn Canal-Glacier Bay

06	0300AST	0	0		Heavy Snow
	2300AST				

Several hours of widespread moderate snow with heavy snow warning for the Haines area and a snow advisory for the remainder of the zone. The snow changed to rain. Haines police department reported 18-20 inches over a two day period.

AKZ022

Cape Fairweather To Cape Suckling-Coastal Area

08	1530AST	0	0		Heavy Snow
	2130AST				

Frequent snow showers. Yakutat reported 6.8 inches, but satellite indicated possible heavy snow showers elsewhere also.

AKZ025

Juneau Borough-Admiralty Island-Icy Strait Area

26	1800AST	0	0		High Wind (G70)
27	0500AST				

AKZ026

Frederick Sound-Kupreanof-Wrangell Islands To Ernest South

26	1800AST	0	0		High Wind (G70)
27	0500AST				

AKZ027

Southern Southeast Alaska Ernest Sound To Dixon Entrance

26	1800AST	0	0		High Wind (G75)
27	0500AST				

AKZ028

Dixon Entrance To Cape Decision-Coastal Area

26	1800AST	0	0		High Wind (G60)
27	0500AST				

High wind watch issued at 11AM on the 26th and upgraded to a warning at 6PM. Strongest winds observed after midnight included: Juneau federal building 62MPH, Juneau ranger station 70MPH, Ketchikan control tower 75MPH, and Hydaburg 60MPH.

AKZ022

Cape Fairweather To Cape Suckling-Coastal Area

26	1900AST	0	0		High Wind (G48)
27	2100AST				

Storm Data and Unusual Weather Phenomena

January 2000

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

ALASKA, Southeast

AKZ023	Cape Decision To Cape Fairweather-Coastal Area						
	27	1900AST 2100AST			0	0	High Wind (G64)
	Zones 22 and 23 were added to the high wind warning of January 26. Peak winds Sitka 55MPH, Cape Decision 58MPH, and Cape Spencer 64MPH.						
AKZ023	Cape Decision To Cape Fairweather-Coastal Area						
	28	1630AST			0	0	High Wind (G60)
	29	1000AST					
AKZ027	Southern Southeast Alaska Ernest Sound To Dixon Entrance						
	28	1630AST			0	0	High Wind (G60)
	29	1000AST					
AKZ028	Dixon Entrance To Cape Decision-Coastal Area						
	28	1630AST			0	0	High Wind (G60)
	29	1000AST					
	High winds associated with a bent back occlusion low. Peak winds observed Ketchikan 60MPH, Sitka radar 60MPH, Hydragurg 73MPH, and Cape Decision 61MPH.						
AKZ025	Juneau Borough-Admiralty Island-Icy Strait Area						
	29	0500AST 1000AST			0	0	High Wind (G62)
	Taku wind event in Juneau area. Peak winds observed at Juneau federal building 60MPH, and Mayflower Island Douglas 62MPH.						

ALASKA, Southern

AKZ015-017	Cook Inlet - Central Gulf Coast						
	01	0000AST 2000AST			0	0	High Wind (G55)
	At the same time high pressure strengthened in the central interior, an arctic-type low deepening near Middleton Island triggered moderate to strong outflow winds, reaching close to 65 mph at the St. Augustine site in lower Cook Inlet and at the Whittier harbor master's office. The winds began to diminish early Saturday around Cook Inlet and late Saturday around Whittier.						
AKZ011	Kuskokwim Delta						
	02	0000AST			0	0	Extreme Windchill
	06	1600AST					
	Wind chills reached 70 below along the coastal areas of the Kuskokwim Delta several times during the period.						
AKZ015	Cook Inlet						
	03	2000AST			0	0	Heavy Snow
	04	2000AST					
	An exiting low through Prince William Sound produced 7 to 10 inches of snow along the Anchorage Hillside. Accumulations ranged up to 5 inches in town. Water/snow ratios were on the order of 40:1.						
AKZ015	Cook Inlet						
	04	0400AST 1400AST			0	0	High Wind (G56)
	Strong northwest "gap" type winds blew across lower Cook Inlet from western Alaska Range passes Tuesday. Reports from a remote C-Man buoy on Augustine Island in lower Cook Inlet recorded gusts up to 64 mph between 9 am and 10 am. Winds were accompanied by wind chills of 50 below.						
AKZ020	Aleutian Islands						
	05	0000AST			0	0	High Wind (G66)
	06	0900AST					
	Strong northerly winds, gusting as high as 76 mph, were reported in the Dutch Harbor community as cold arctic air, from the southwest Alaska mainland and southeastern Bering Sea, moved across the Island. Winds produced frequent blizzard conditions in blowing snow.						
AKZ015-017	Cook Inlet - Central Gulf Coast						
	06	0700AST			0	0	Heavy Snow
	07	0700AST					
	Moderate snowfall was observed across much of the Kenai Peninsula. Snowfall amounts ranged upwards of 8 inches at Soldotna, Kenai, Ninilchik and Homer. Seward recorded 6 inches of new snow, while heavier snowfall close to 12 inches was reported in Turnagain Pass.						
AKZ013	Susitna Valley						
	09	0600AST			0	0	Extreme Windchill
	12	2000AST					
	Wind chills around the Cantwell area frequently reached or exceeded 70 below during this time interval.						

Storm Data and Unusual Weather Phenomena

January 2000

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

AKZ020	Aleutian Islands	09 1500AST 1900AST			0	0			High Wind (G59)	
			Williwaw off Mount Ballyhoo brought wind gusts up to 68 mph at the Dutch Harbor Spit observing site.							
AKZ017	Central Gulf Coast	13 0900AST 2200AST			0	0			High Wind (G55)	
			Strong winds continued to pour cold arctic air into Prince William Sound from the mainland. Gusts reached 63 mph frequently at the Whittier Boat Harbor.							
AKZ011-016	Kuskokwim Delta - Bristol Bay Coastal	17 0430AST 1630AST			0	0			Winter Storm	
			Freezing rain was reported in several areas of both zones Monday, including Dillingham and King Salmon, along the Bristol Bay coast, and Bethel (inland from the Kuskokwim Delta coast).							
AKZ020	Aleutian Islands	17 1200AST 18 1500AST			0	0			High Wind (G52)	
			A moderate 980 mb low moved northeastward across the extreme western Aleutians into the southwest Bering Sea late Monday and Tuesday. Brisk westerly winds along the 'back side' of the low were observed. Actual recorded gusts at Shemya reached 60 mph.							
			It should be noted that reports from Shemya are sporadically received and did not reflect the maximum 'blow'.							
AKZ020	Aleutian Islands	19 0300AST 20 0300AST			0	0			High Wind (G55)	
			A moderate weather front moved into the western Aleutians Wednesday, elongating north and east slowly weakening Wednesday night and Thursday morning. Brisk southeast winds preceded the front. Gusts reached 63 mph at Shemya, along the extreme western Aleutians, Wednesday afternoon.							
AKZ020	Aleutian Islands	19 1200AST 21 0000AST			0	0			High Wind (G61)	
			Strong westerly winds were observed along the southwest semicircle of a strong, 963 mb low late Wednesday and Thursday. Gusts as high as 70 mph were recorded at the remote site at Shemya, along the extreme western Aleutians. Ships across the extreme western Aleutians reported sustained winds from 50 to 65 mph as well as locally heavy thunderstorms and squalls.							
			Strong westerly winds moved into the central Aleutians, as well, however were not as strong as winds further to the west.							
			As the low weakened and moved northeast through the Bering Sea, winds diminished.							
AKZ020	Aleutian Islands	22 1200AST 23 2200AST			0	0			High Wind (G59)	
			An intense 954 mb storm just west of Shemya late Saturday morning continued to move north northeast into the north-central Bering Sea where it weakened to a 966 mb center early Monday. Moderate to strong westerly winds were observed along the 'back side' of the storm across much of the central and western Aleutians. Peak winds reached 68 mph at Adak early Sunday. Wind gusts finally diminished below 40 mph across the area late Sunday.							
AKZ011>013-015>016-018	Kuskokwim Delta - Kuskokwim Valley - Susitna Valley - Cook Inlet - Bristol Bay Coastal - Kodiak Island-Eastern Alaska Peninsula	22 1500AST 24 1500AST			0	0	50K		High Wind (G82)	
AKZ017	Central Gulf Coast	24 0000AST 25 1330AST			0	0			Heavy Snow	
			A moderate front, extending from just west of Nunivak Island to just west of Cold Bay late Saturday, was preceded by brisk southeasterly winds across much of the southern mainland. By late Sunday, the front extended nearly north-south from Ambler to King Salmon, weakening from Fairbanks to Valdez and southeast late Tuesday morning. The front finally moved east into Canada and to near Cape Fairweather in Southeast Alaska late Tuesday.							
			Across the Bristol Bay area, wind gusts reached 62 mph at Egegik and 61 mph at King Salmon late Saturday. A private weather system in Naknek measured a 71 mph gust at 9:20 pm Saturday. Wind and snow reportedly downed power lines around Naknek late Sunday. Naknek Electric Association estimated 1-2 inches of ice on the line conductors and 3 1/2 inches of snow on the lines prior to the lines going down. Winds snapped 6 poles in Naknek...with several more reported damaged in south Naknek.							

Storm Data and Unusual Weather Phenomena

January 2000

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

ALASKA, Southern

Along the Kuskokwim Delta, wind gusts reached 67 mph at Bethel late Saturday...with winds diminishing early Sunday. Winds at Saint Mary's reached 64 mph late Saturday. Blizzard conditions were recorded at several locations.

Across the Kuskokwim Valley local wind gusts reached 61 mph around the McGrath area, with stronger gusts probably occurring out of Alaska Range Passes.

On Kodiak Island, gusts of 61 mph were recorded at the remote Booth Lake site early Sunday afternoon.

In lower Cook Inlet, a remote C-Man site on Augustine Island recorded pre-frontal gusts just shy of 60 mph (58 mph). Gusts at the Portage ASOS reached 76 mph several times late Sunday and early Monday.

6" - 8" of new snow was reported just north of Seward, as elevations rise on the Seward highway.

Along the upper Anchorage hillside gusts of 77 mph were recorded at the Rabbit Creek site late Sunday. Earlier in the day gusts reached 86 mph at the Glen Alps mesonet site. A report of 94 mph was recorded at a co-op site near the intersection of O'Malley and Maintree roads along the mid Anchorage hillside.

Brisk southeast wind gusts were also reported around the Matanuska-Susitna Valley. One report of 70 mph winds and whiteout conditions was received on the Willow side of Hatcher Pass.

Gusts near 60 mph were also reported locally around Prince William Sound and in the Copper River Basin Sunday and Monday. Additionally, heavy snow fell around many areas of Prince William Sound...including Whittier and near Thompson Pass (just north of Valdez) where nearly 2 feet of new snow was reported.

AKZ015-019>020

Cook Inlet - Western Alaska Peninsula - Aleutian Islands

25	0600AST	0	0	High Wind (G71)
26	1100AST			

A vigorous low, that moved northeast into the Alaska Peninsula late Tuesday, was preceded by brisk south to southeast winds. The low moved toward Chignik late Tuesday as a 974 mb center. The front associated with this low moved into northeast Bristol Bay and into the southern half of Kodiak Island late Tuesday, weakening along a line from Saint Mary's (in the southwest mainland) to Montague Island in Prince William Sound late Wednesday morning.

Southerly wind gusts of 60 mph were reported with the frontal passage at Sand Point around noon Tuesday.

As the front neared the Portage Visitor Center at the eastern tip of Turnagain Arm, wind gusts reached 82 mph, along with heavy snow and blizzard conditions.

AKZ014>015-017

On the back side of the low, wind gusts of 78 mph were reported at the Dutch Harbor airport Tuesday afternoon.

Copper River Basin - Cook Inlet - Central Gulf Coast

26	0000AST	2	0	6K	Winter Storm
28	0300AST				

F48OU, M45OU

AKZ013

Susitna Valley

27	0700AST	1	0	6K	Heavy Snow
28	2300AST				

M33OU

A complex low, preceded by a northward moving front through Prince William Sound and the Kenai Peninsula, moved northward through Prince William Sound Wednesday. On the 'heels' of the low, modified arctic air poured east and southeastward into the Cook Inlet area from the western Alaska range, enhancing snowfall.

Highway reports early Wednesday reported white out conditions around Girdwood (MP90 on the Seward highway) along with 30 - 50 mph winds and temperatures of 32F. 12"-15" of new snow was reported around Seward. 6" of new snow was reported around Homer, with drifting snow along the ridge and around East End Road.

Also on Wednesday, heavy snow and east winds 10 - 20 mph were reported in Thompson Pass (MP 337 of the Richardson Highway). 8" of new snow was reported at Ernestine (MP 302), along with a south wind gusting to 50 mph. Gusty winds were also reported in the Copper River Basin (around 35 mph), along with about 5" of new snow at Chitina.

From 7 am Wednesday through 7 am Thursday, DOT observations (past 24 hours) reported 10 to 40 mph winds with 12" - 16" of new snow at Girdwood, snow and whiteout conditions at Silvertip (MP57 along the Seward highway), 12" - 14" of new snow at Moose Pass and 6" of new snow in Seward. Around Cooper Landing poor visibilities were reported along with 6" - 8" of new snow. Ninilchik recorded up to 6" of new snow, with 12" - 14" falling around Homer (again with drifting along the ridge and out along East End Road). East to southeast wind 16-21 mph along with heavy snow was reported in Thompson Pass. Cordova received 15" of wet snow.

Storm Data and Unusual Weather Phenomena

January 2000

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

ALASKA, Southern

By 7 am Friday, DOT observations recorded 24 hour snowfall of between 2.5" - 8" around Anchorage, 4" or less around Girdwood, 12" of new snow around Wasilla, 4" or less around Cantwell. Heavy snow was again reported in Thompson Pass. Reports around Turnagain Pass indicated snowfall rates of 3"/hour (fall rate is about 2 1/2"/hour). Turnagain Pass received 20" of new snow between Thursday and Friday. Seward received an incredible 1' of snow in 6 hours Friday, resulting in school closings at both Seward Elementary and Moose Pass Elementary schools.

Heavy snows during the week were reported across upper elevations in Girdwood Valley. Amounts of snowfall in this area ranged upwards of 6' during the past week, along with episodes of high winds.

An avalanche in Whittier caused cancellation of train service on Friday.

Snow machine deaths, primarily weather related, were reported in Nikiski (2) and Big Lake (1).

AKZ017

Central Gulf Coast

26	0950AST		1	1	500K	Avalanche
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Avalanche was reported at 5.5 mile on the road from the community of Cordova to the airport. The avalanche obliterated 4 homes and 1 warehouse. In one of the homes, two individuals were buried, one recovered after nearly 6 hours, the other deceased. The community suffered successive heavy snows and strong winds in the days preceding the avalanche.

F63PH

AKZ015

Cook Inlet

26	1500AST		0	0	High Wind (G68)
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Channeled easterly winds gusting as high as 78 mph were reported at the Portage Visitor Center ASOS in advance of a broad front that moved through the area Wednesday. Winds were accompanied by heavy snow and brief blizzard conditions.

AKZ011

Kuskokwim Delta

29	0000AST		1	0	Extreme Cold
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A hypothermia related death was reported near Alakanuk (just north of Bethel). Outside air temperatures were around -25 F. Alcohol may have been a factor. F18OU

AKZ014>015

Copper River Basin - Cook Inlet

30	0900AST		0	0	Winter Storm
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31 2359AST

AKZ017

Central Gulf Coast

30	0900AST		0	0	Heavy Snow
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31 2359AST

AKZ015-017

Cook Inlet - Central Gulf Coast

31	0300AST		0	0	High Wind (G61)
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1800AST

A moderate low, and associated frontal system, pushed northwest through the Gulf of Alaska Sunday, triggering two days of heavy snows across the southeast mainland of the State. By late Monday morning, a 965 mb low began to weaken rapidly as it made its way northward toward Montague Island.

By late Monday, the arctic front extended from Northway to Gulkana and into western Prince William Sound. The deep low (that was moving north toward Montague Island earlier in the day) had weakened to 986 mbs just southwest of Montague Island by 9 pm Monday. The low continued to rapidly weaken and move east Monday night and early Tuesday...pulling the arctic air southeastward with it.

At a remote site in lower Cook Inlet, wind gusts reached 68 mph several times Monday, as cold arctic air funneled through western Alaska Range passes into the Kenai Peninsula.

In the Seward area, close to whiteout conditions in blowing snow and wind gusts of 45 mph were reported late Sunday morning. Snowfall was reported as 'intense'. Avalanches were reported all up and down Lowell Point Road.

Avalanches were also reported in several areas around Valdez and parts of the Seward Highway closing both the Seward and Richardson Highway just north of Valdez.

By midday Monday, 24 - 36 hour snowfall reports indicated:

2 1/2 to 4 feet of snow around Whittier Sunday and Monday.

14" - 22" of new snow around Seward Sunday and Monday.

2' - 2 1/2' of new snow at the Alyeska ski resort from noon Sunday to noon Monday.

Along the Anchorage hillside, new snowfall ranged from 6" - nearly 1 1/2 feet around Glenn Alps from late Sunday through Monday mid morning.

Storm Data and Unusual Weather Phenomena

January 2000

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

ALASKA, Southern

1' of new snow overnight reported at the Girdwood DOT site.
 Moose Pass and Cooper Landing recorded 5" - 10" of new snow.
 6" - 8" of new snow fell across north Kenai.
 Homer recorded anywhere from 4" - 14".
 Thompson Pass 15" of new snow in 12 hours.
 Ernestine (MP302 on the Richardson highway) recorded 24" of new snow.

Additionally, 4 avalanches from Bird Point to Girdwood were reported on the Seward highway. One avalanche was recorded at mile 8 of the Glenn highway. 2 avalanches, one at MP 20 and the other at MP 51, were reported along the Richardson Highway.

By 4pm Monday, Girdwood reported an additional 14" of snow, adding up to 36" within a 30 hour time span. Whiteout conditions were reported at the DOT Silvertip site. Avalanches trapped traveller's near Girdwood.

70 mph winds were reported around Cordova around noon Monday.

Late Monday afternoon, reports of 10" - 14" of new snow at Butte, and 16" of new snow along the Talachulitna River, were received.

Valdez reported brief freezing rain and Ernestine (MP 302) recorded 24" of new snow.

AKZ020>021

Aleutian Islands - Pribilof Islands

31	0900AST		0	0		High Wind (G64)
	2359AST					

An extremely intense 940 mb storm moved from the north Pacific to the Island of Amchitka Monday afternoon. The low continued to deepen as it moved into the extreme south-central Bering Sea just before midnight. This major storm system began a cascade of severe winter weather across the Anchorage area of responsibility during the following week.

Reported winds, which were very sparse, across the Aleutians gusted to 61 mph at Adak late Monday. A ship report very close to Atka registered 75 mph sustained winds at 3pm Monday. Undoubtedly there were much stronger gusts across the area.

Across the Pribilofs, wind gusts of 74 mph were recorded at Saint Paul just prior to midnight, accompanied by blizzard conditions in heavy snow and blowing snow. Winds at Saint George peaked at 68 mph just prior to 9pm...then reports ceased from the Island until Wednesday afternoon.

AMERICAN SAMOA

Manu'A County

Ta'U	19	2115SST		0	0	20K	Flood
	22	0230SST					

Tutuila County

Countywide	19	2115SST		0	0	20K	Flood
	22	0230SST					

Heavy rain associated with a stationary trough of low pressure that extends from a tropical disturbance about 180 NM west of Tutuila eastward across the Manuas caused widespread flooding across the territory for Thursday (1/21/00) and Friday (1/22/00).

ARIZONA, Central and Northeast

AZZ006-015

Grand Canyon Country - Western Mogollon Rim

01	0000MST		0	0		Heavy Snow
	1800MST					

The first significant snowfall of the season moved across northern Arizona on New Years Day. Some of snowfall totals include: Mormon Lake 6 inches, Grand Canyon-South Rim 5 inches, Bellemont 4 inches, Flagstaff Airport 3 inches, Munds Park 3 inches, and Williams 3 inches. This ended a record period of time without measureable precipitation in many locations.

AZZ006-008-013-015-018-038

Grand Canyon Country - Yavapai County Mountains - Little Colorado River Valley In Navajo County - Western Mogollon Rim - Northern Gila County - Oak Creek And Sycamore Canyons

02	0000MST		0	0		Heavy Snow
	2000MST					

A second snow storm in as many days moved through northern Arizona. New snowfall amounts ranged from 10 inches at Hart Prairie to one inch in Sedona and Winslow. Other amounts were: 3 inches in Payson, 2 inches in Prescott, 3 inches in Seligman, 4 inches in Pine, 5 inches in Williams, 8 inches in Parks, 2 inches in Bellemont and at the Flagstaff Airport.

AZZ004-006-011-039

Kaibab Plateau - Grand Canyon Country - Chuska Mountains And Defiance Plateau - Black Mesa Area

31	0030MST		0	0		Heavy Snow
	1700MST					

A Pacific storm system moved across northern Arizona and produced up to 6 inches of snow by nighthfall. Some of the totals were: 6 inches at the Navajo National Monument, 5 inches at Jacob Lake, 4 inches at the North Rim of the Grand Canyon, 3 inches in

Storm Data and Unusual Weather Phenomena

January 2000

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

Window Rock, 5 1/2 inches at Ft. Defiance, and one inch in Chinle.

ARIZONA, Northwest

NONE REPORTED.

ARIZONA, South

NONE REPORTED.

ARIZONA, Southwest

NONE REPORTED.

ARKANSAS, Central and North Central

White County

2 E Searcy	02	1633CST			0	0			Thunderstorm Wind (G50)
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Thunderstorm winds downed a few large tree limbs about 2 miles east of Searcy.

Jackson County

Beedeville	02	1715CST			0	0			Thunderstorm Wind (G50)
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Thunderstorm winds knocked a tree down at Beedeville.

Sharp County

1 E Cave City	02	2240CST			0	0			Flash Flood
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03 0040CST
Excessive rain covered several roads with water near Cave City. Due to high water, Highway 230 was barricaded just east of town.

Independence County

Batesville	02	2240CST			0	0			Flash Flood
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03 0040CST
Excessive rain covered several roads with water at Batesville. Some roads had up to 11 inches of standing water, with the water threatening to enter some homes and businesses.

Logan County

Caulksville	03	0451CST			0	0			Thunderstorm Wind (G70)
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Thunderstorm winds knocked down several trees and blew some sheet metal through a windshield at Caulksville.

Johnson County

2 N Coal Hill	03	0500CST			0	0			Thunderstorm Wind (G70)
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Thunderstorm winds badly damaged 4 chicken houses, with tin scattered for more than a mile at Coal Hill. A tree was also blown onto a trailer.

Johnson County

5 NW Clarksville	03	0507CST			0	0			Thunderstorm Wind (G70)
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Thunderstorm winds destroyed a mobile home and knocked down many trees about 5 miles northwest of Clarksville.

Johnson County

3 W Clarksville	03	0510CST			0	0			Thunderstorm Wind (G70)
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Thunderstorm winds damaged several roofs about 3 miles west of Clarksville.

Johnson County

2 S Clarksville	03	0515CST			0	0			Thunderstorm Wind (G70)
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Thunderstorm winds blew a trailer over and damaged the roof of a truck stop and hatchery about 2 miles south of Clarksville. Several chicken houses were also damaged.

Johnson County

.5 S Salus	03	0517CST			0	0			Thunderstorm Wind (G75)
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Thunderstorm winds gusted to 86 mph as measured at the U.S. Forest Service Devil's Knob observation site just south of Salus.

Pope County

5 NW Moreland	03	0532CST			0	0			Thunderstorm Wind (G50)
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Thunderstorm winds blew down some trees and power lines between Dover and Moreland, and also tore the roof off of a chicken house.

Newton County

Jasper	03	0535CST			0	0			Thunderstorm Wind (G50)
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Thunderstorm winds blew over a few trees along Arkansas Highway 7 just south of Jasper.

Newton County

Lurton	03	0535CST			0	0			Thunderstorm Wind (G50)
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Storm Data and Unusual Weather Phenomena

January 2000

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

ARKANSAS, Central and North Central

Fulton County

.3 WSW Fryatt to 2.8 ENE Fryatt	03	0655CST 0700CST	3.1	40	0	0			Tornado (F1)
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A weak tornado was spawned in northeastern Fulton County about 0.3 mile west-southwest of Fryatt. The tornado moved northeast and downed hundreds of trees, mostly along Arkansas Highway 9. One house was badly damaged by falling trees. A barn roof was also blown off, and some outbuildings were damaged as well. The tornado dissipated about 2.8 miles east-northeast of Fryatt.

Polk County

Mena	03	0706CST			0	0			Thunderstorm Wind (G50)
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Thunderstorm winds downed a few large tree limbs and an awning in Mena.

Sharp County

Ash Flat	03	0709CST			0	0			Thunderstorm Wind (G50)
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Thunderstorm winds knocked over several trees at Ash Flat.

Van Buren County

3 SE Southside	03	0957CST			0	0			Hail (0.75)
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Faulkner County

4 SW Conway	03	1038CST			0	0			Hail (0.88)
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Jackson County

Beedeville	03	1330CST			0	0			Hail (0.75)
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ARZ003>007-012>016-021>025-030>034-037>047-052>057-062>069
Boone - Marion - Baxter - Fulton - Sharp - Newton - Searcy - Stone - Izard - Independence - Johnson - Pope - Van Buren - Cleburne - Jackson - Logan - Conway - Faulkner - White - Woodruff - Scott - Yell - Perry - Polk - Montgomery - Garland - Saline - Pulaski - Lonoke - Prairie - Monroe - Pike - Clark - Hot Spring - Grant - Jefferson - Arkansas - Dallas - Cleveland - Lincoln - Desha - Ouachita - Calhoun - Bradley - Drew

27	0900CST			1	0			Winter Storm
28	0500CST							

A major Winter Storm brought mostly heavy snow to Arkansas on January 27th and early on the 28th. Heavy snow began in southern and western sections of the state during the morning of the 27th, and gradually spread north and east. By the time the storm was over, 4 to 8 inches of snow had accumulated in about the northern half of the state and along the southern border. In much of the southern half of the state, 8 to 14 inches of snow was common with isolated reports of 20 inches. It was the most widespread, heavy snow to affect Arkansas since 1988. Due to the snow, more than 600 chicken houses were damaged or destroyed, mostly in the southwest part of the state. Each house held up to 20,000 chickens, with the vast majority of chickens killed when the houses collapsed or because of hypothermia. Due to the loss of poultry, about two dozen counties were declared federal agricultural disaster areas. A hangar at the Benton Airport (Saline County) also collapsed. During the height of the storm, Interstate 30 became impassible from Malvern (Hot Spring County) to areas farther southwest, and was closed for a number of hours. The National Guard was called out to rescue stranded motorists, with a number of shelters opened for motorists and for the homeless. On the 29th, a State of Emergency was declared, with only necessary travel advised. There was one known fatality related to the storm. A worker at a fast-food restaurant in Little Rock died of hypothermia on his way home. He was found in a local schoolyard near his destination. M370U

ARKANSAS, East

Poinsett County

Trumann	02	1800CST 1805CST			0	0	5K		Thunderstorm Wind
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A few trees were blown down.

Clay County

Corning	02	2130CST			0	0	1K		Urban/Sml Stream Fld
	03	0030CST							

A few streets were flooded in the town of Corning.

Lawrence County

Black Rock to Walnut Ridge	02	2130CST			0	0	1K		Urban/Sml Stream Fld
	03	0030CST							

Several roads were covered with water across the county. A few drainage ditches were full.

Randolph County

Countywide	02	2130CST			0	0	1K		Urban/Sml Stream Fld
	03	0030CST							

Some low water bridges were flooded.

Randolph County

Ravenden Spgs to Pocahontas	03	0737CST 0750CST			0	0	10K		Thunderstorm Wind
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A window was blown out of a home in Pocahontas. Trees were knocked down in Ravenden Springs and Pocahontas.

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>ARKANSAS, East</u>									
Craighead County									
Egypt	03	1230CST 1235CST			0	0	0.05K		Hail (0.88)
Greene County									
Walcott to 2 W Paragould	03	1238CST 1255CST			0	0	0.75K		Hail (1.75)
Hail ranged in size from nickle in Walcott to golfball just west of Paragould.									
Clay County									
Boydsville	03	1248CST 1255CST			0	0	0.01K		Hail (0.75)
Craighead County									
Bono	03	1300CST 1305CST			0	0	10K		Lightning
A house under construction was struck by lightning and caught fire.									
Greene County									
Marmaduke	03	1300CST 1305CST			0	0	20K		Thunderstorm Wind
Several barns and grain bins were damaged. Several large trees were knocked down.									
Craighead County									
Jonesboro	03	1312CST 1317CST			0	0	10K		Thunderstorm Wind
A mobile home was damaged. Some fences were knocked down.									
Clay County									
Hargrave Corner to Nimmons	03	1321CST 1330CST			0	0	50K		Thunderstorm Wind
A small shed was blown over. A few homes lost some shingles off their roofs. Several carports were blown off. Several trees and power lines were knocked down.									
Craighead County									
Brookland	03	1329CST 1335CST			0	0	0.10K		Hail (1.00)
ARZ008>009-017>018-026>028-035>036-048>049-058									
	27	1800CST			0	0	0		Heavy Snow
	28	0600CST							
A major winter storm dumped heavy snow on much of eastern Arkansas. Most areas received 3 to 6 inches of snow with as much as 7 inches reported in Phillips County.									
<u>ARKANSAS, Northwest</u>									
Franklin County									
7 S Cass	03	0012CST			0	0			Hail (0.75)
Benton County									
Bentonville	03	0255CST			0	0			Hail (0.88)
Crawford County									
Mountainburg	03	0415CST			0	0	0.10K		Thunderstorm Wind
Thunderstorm winds blew down a tree.									
Washington County									
6 SE Strickler	03	0415CST			0	0	2K		Thunderstorm Wind
Thunderstorm winds blew down several trees and large tree limbs at Devil's Den State Park.									
Crawford County									
Mulberry	03	0430CST			0	0	0.50K		Thunderstorm Wind
Thunderstorm winds blew down a power pole.									
Sebastian County									
Greenwood	03	0434CST			0	0			Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

January 2000

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

ARKANSAS, Northwest

Sebastian County

Witcherville **03 0440CST** **0 0 2.5K** **Thunderstorm Wind**
Thunderstorm winds blew down trees and blew over chicken pens.

Sebastian County

Milltown **03 0450CST** **0 0 5K** **Thunderstorm Wind**
Thunderstorm winds blew down several trees and also blew the roof off a garage.

Franklin County

2 N Ozark **03 0500CST** **0 0** **Hail (0.75)**

Franklin County

4 S Ozark **03 0500CST** **0 0 10K** **Thunderstorm Wind**
Thunderstorm winds damaged a chicken house and a barn. Several trees were also blown down.

Franklin County

2 N Ozark **03 0500CST** **0 0 0.30K** **Thunderstorm Wind**
Thunderstorm winds blew down trees.

Madison County

Huntsville **03 0500CST** **0 0** **Hail (1.00)**

Madison County

Huntsville **03 0500CST** **0 0 0.50K** **Thunderstorm Wind**
Thunderstorm winds down several large tree limbs.

Franklin County

Ozark **03 0505CST** **0 0** **Thunderstorm Wind (G54)**

Franklin County

Altus **03 0510CST** **0 0 0.30K** **Thunderstorm Wind**
Thunderstorm winds blew down trees.

Franklin County

2 SE Altus **03 0510CST** **0 0 20K** **Thunderstorm Wind**
Thunderstorm winds rolled a mobile home over and blew down several trees.

ARZ001>002-010>011-019>020-029

Benton - Carroll - Washington - Madison - Crawford - Franklin - Sebastian

27 0900CST 2100CST **0 0** **Heavy Snow**

Heavy snow fell throughout Northwest Arkansas Thursday, January 27. Cold air settled into Northwest Arkansas earlier in the week setting the stage for the snow event. The snow fell in association with an upper level system moving northeast into the plains out of the desert southwest. The upper level system tapped gulf moisture which rode up over the dome of cold air. Heavy snow began around 9 am on Thursday morning and lasted into the evening hours until tapering off around 9 pm.

The following are some snowfall amounts for the event: Fort Smith...11", Barling...9", Devil's Den State Park...8", Hackett...8", Alma...8", Mansfield...8", Ozark...8", Huntsville...8", Fayetteville...8", Greenwood...7", Siloam Springs...7", Farmington...7", Bonanza...7", Midland...7", Huntington...7", Eureka Springs...6", Lavaca...6", Central City...6", Bentonville...6" and Berryville...4".

ARKANSAS, Southeast

ARZ074>075

Ashley - Chicot

27 0200CST **0 0 200K** **Heavy Snow**
28 0000CST

A winter storm brought heavy snow to southeast Arkansas on the 27th. Heavy snow began falling during the early morning of the 27th and did not stop until late that night. The snow was heavy at times. Total snowfall amounts of 6 to 10 inches were common across Ashley and Chicot counties with isolated amounts of 12 inches reported. Damage from the heavy snow was relatively minimal and reports were limited to a few collapsed roofs and downed trees. Power outages were sporadic, but traffic came to a stand-still for several days as the snow was slow to melt.

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>CALIFORNIA, North Central</u>									
Butte County									
Brush Creek	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 4.91 inches accumulated in just over 48 hours.									
Nevada County									
Grass Vly	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 5.74 inches accumulated in just over 48 hours.									
Placer County									
Auburn	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 5.43 inches accumulated in just over 48 hours.									
Plumas County									
La Porte	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 6.31 inches accumulated in just over 48 hours.									
Sacramento County									
Elk Grove	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 6.50 inches accumulated in just over 48 hours.									
Tuolumne County									
Groveland	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 6.05 inches accumulated in just over 48 hours.									
Sacramento County									
Folsom	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 5.28 inches accumulated in just over 48 hours.									
Tuolumne County									
Twain Harte	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 8.30 inches accumulated in just over 48 hours.									
Placer County									
Roseville	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 5.43 inches accumulated in just over 48 hours.									
Sacramento County									
Citrus Hgts	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 5.08 inches accumulated in just over 48 hours.									
Placer County									
Newcastle	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 5.98 inches accumulated in just over 48 hours.									
Placer County									
Auburn	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 5.43 inches accumulated in just over 48 hours.									
Plumas County									
La Porte	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 6.31 inches accumulated in just over 48 hours.									
Amador County									
Pine Grove	22	1800PST			0	0			Heavy Rain
	24	2300PST							
Rainfall totaling 6.32 inches accumulated in just over 48 hours.									

Storm Data and Unusual Weather Phenomena

January 2000

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

CALIFORNIA, North Central

CAZ016>017 Central Sacramento Valley - Southern Sacramento Valley

30	0400PST 1600PST				0	0			High Wind (G37)
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South winds exceeded 40 mph across the central and southern Sacramento Valley. PG&E reported that nearly 19,000 customers were affected by temporary outages.

CALIFORNIA, Northeast

CAZ073 Mono

11	0810PST				0	0	5K		High Wind (G60)
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Mammoth Ranger Station reported a car being blown off the road near the Mammoth airport.

CAZ073 Mono

11	0900PST				0	0	0		High Wind (G52)
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A remote sensor at Mono Lake recorded several wind gusts of 58-60 mph between 6:20-9:00 am.

CAZ073 Mono

11	1430PST				0	0	0		High Wind (G75)
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Spotter report of a wind gust to 86 mph at 1:30 pm in Mammoth Lakes.

CAZ073 Mono

11	1650PST				0	0	0		High Wind (G56)
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Spotter report of wind gusts to 65 mph in Coleville.

CAZ072 Greater Lake Tahoe Area

11	2300PST				0	0	0		Heavy Snow
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12	1100PST								
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California Department of Transportation reported 11 inches of snow in 12 hours at Fredonyer Summit.

CAZ072 Greater Lake Tahoe Area

11	2300PST				0	0	0		Heavy Snow
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12	1100PST								
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California Department of Transportation reported a total of 12 inches of snow in 12 hours at Yuba Pass.

CAZ072 Greater Lake Tahoe Area

11	2300PST				0	0	0		Heavy Snow
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12	1100PST								
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California Department of Transportation reported a total of 7 inches of snow in 12 hours at Sage Hen Summit.

CAZ072 Greater Lake Tahoe Area

15	0145PST 1345PST				0	0	0		Heavy Snow
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Alpine Meadows Ski Area reported 12-14 inches of snow in 12 hours.

CAZ072 Greater Lake Tahoe Area

15	0605PST				0	0	0		Heavy Snow
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16	0605PST								
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Alpine Meadows Ski Resort reported 22 inches of new snow in 24 hours.

CAZ073 Mono

15	1710PST				0	0	0		Heavy Snow
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16	1710PST								
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Mammoth Lakes Ski Area reported 18 inches to 2 feet of new snow.

CAZ073 Mono

16	0700PST				0	0	0		Heavy Snow
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17	0700PST								
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Mammoth Lakes Ski Area reported a storm total of 44 inches of new snow.

CAZ071 Lassen/Eastern Plumas/Eastern Sierra

18	0440PST 0840PST				0	0	0		Heavy Snow
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Lassen County Sheriff's Office reported 4 inches of snow in 4 hours in Susanville.

CAZ071 Lassen/Eastern Plumas/Eastern Sierra

18	0700PST 1000PST				0	0	0		Heavy Snow
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Spotter report of 3 inches of snow in 3 hours in Janesville.

CAZ072 Greater Lake Tahoe Area

23	0525PST				0	0	0		Heavy Snow
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24	0525PST								
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Boreal Ski Resort reported 2 feet of new snow in 24 hours.

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property Damage	Crops	
CALIFORNIA, Northeast									
CAZ072			Greater Lake Tahoe Area						
	23	0540PST				0	0	0	Heavy Snow
	24	0540PST							
	California Department of Transportation reported 25 inches of new snow at Donner Summit in 24 hours.								
CAZ072			Greater Lake Tahoe Area						
	23	0545PST				0	0	0	Heavy Snow
	24	0545PST							
	Kirkwood Ski Area reported 2 feet of new snow in 24 hours.								
CAZ072			Greater Lake Tahoe Area						
	23	0550PST				0	0	0	Heavy Snow
		2050PST							
	California Department of Transportation reported 16 inches of snow in 15 hours on top of Donner Summit.								
CAZ072			Greater Lake Tahoe Area						
	23	0640PST				0	0	0	Heavy Snow
	24	0640PST							
	Northstar Ski Area reported 12-20 inches of snow in 24 hours.								
CAZ072			Greater Lake Tahoe Area						
	23	0645PST				0	0	0	Heavy Snow
	24	0645PST							
	Alpine Meadows Ski Area reported 24 inches of snow at 7000 feet and 34 inches of snow at 8600 feet in 24 hours.								
CAZ072			Greater Lake Tahoe Area						
	23	0655PST				0	0	0	Heavy Snow
	24	0655PST							
	Squaw Valley Ski Resort reported 15 inches at 6200 feet and 20 inches at 8200 feet in 24 hours.								
CAZ072			Greater Lake Tahoe Area						
	23	0745PST				0	0	0	Heavy Snow
		1345PST							
	California Department of Transportation reported 4-6 inches of new snow over Echo Summit in 6 hours.								
CAZ072			Greater Lake Tahoe Area						
	23	0800PST				0	0	0	Heavy Snow
		1608PST							
	Kirkwood Ski Area reported 8 inches of new snow in 8 hours at 7800 feet.								
CAZ072			Greater Lake Tahoe Area						
	23	0845PST				0	0	0	Heavy Snow
	24	0845PST							
	Spotter report of 1-2 feet of snow in 24 hours 4 miles NW of Truckee.								
CAZ072			Greater Lake Tahoe Area						
	23	1258PST				0	0	0	Heavy Snow
	24	1258PST							
	Alpine Meadows Ski Resort reported a storm total of 30 inches of snow.								
CAZ071			Lassen/Eastern Plumas/Eastern Sierra						
	23	1530PST				0	0	0	Heavy Snow
	24	1530PST							
	Spotter report of 6 inches of snow in 24 hours in Janesville.								
CAZ071			Lassen/Eastern Plumas/Eastern Sierra						
	23	1630PST				0	0	0	Heavy Snow
	24	1630PST							
	Spotter report of 16 inches of snow in 24 hours in Westwood. Highway 36 to Susanville was closed.								
CAZ073			Mono						
	23	1900PST				0	0	0	Heavy Snow
	24	0705PST							
	Mammoth Lakes Ski Area reported 24 inches of snow at 9000 feet in 12 hours.								
CAZ071			Lassen/Eastern Plumas/Eastern Sierra						
	23	1955PST				0	0	0	Heavy Snow
	24	0755PST							
	Spotter report of 4 inches of snow overnight in Westwood.								

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
CALIFORNIA, Northeast									
CAZ072			Greater Lake Tahoe Area						
	24	0300PST 1300PST				0	0	0	Heavy Snow
			Northstar at Tahoe Ski Area reported a storm total of 30 inches of snow with 18 inches in the last ten hours.						
CAZ072			Greater Lake Tahoe Area						
	24	0300PST 1300PST				0	0	0	Heavy Snow
			Spotter report of 18 inches of snow at 6800 feet in 10 hours and a storm total of 30 inches 3 miles south of Truckee.						
CAZ072			Greater Lake Tahoe Area						
	24	0500PST 25 0500PST				0	0	0	Heavy Snow
			A remote sensor at 8200 feet in Squaw Valley Ski Area recorded 17 inches of snow in 12 hours and 22 inches of snow in 24 hours.						
CAZ072			Greater Lake Tahoe Area						
	24	0600PST 25 0600PST				0	0	0	Heavy Snow
			Alpine Meadows Ski Area reported 24 inches in 24 hours and a storm total of 44 inches at 7000 feet and 34 inches in 24 hours and a storm total of 62 inches at 8600 feet.						
CAZ072			Greater Lake Tahoe Area						
	24	0600PST 25 0600PST				0	0	0	Heavy Snow
			Spotter report of 20-34 inches in 24 hours 3 miles south of Truckee.						
CAZ072			Greater Lake Tahoe Area						
	24	0600PST 25 0600PST				0	0	0	Heavy Snow
			Boreal Ski Area reported 36 inches in 24 hours and a storm total of 7 feet.						
CAZ072			Greater Lake Tahoe Area						
	24	0600PST 25 0600PST				0	0	0	Heavy Snow
			Diamond Peak Ski Area reported 36 inches of snow in 24 hours.						
CAZ072			Greater Lake Tahoe Area						
	24	0800PST 25 0800PST				0	0	0	Heavy Snow
			Northstar Ski Area reported 20-34 inches of snow in 24 hours.						
CAZ072			Greater Lake Tahoe Area						
	24	1030PST 25 1030PST				0	0	0	Heavy Snow
			California Department of Transportation reported 25 inches of snow in 24 hours at Carson Pass elevation 8573 feet.						
CAZ072			Greater Lake Tahoe Area						
	24	1300PST 25 1515PST				0	0	0	Heavy Snow
			Spotter report of 12 inches of snow in 22 hours at Blairsdan.						
CAZ072			Greater Lake Tahoe Area						
	24	1400PST 2100PST				0	0	0	Heavy Snow
			Squaw valley Ski Area reported 11 inches of snow in 7 hours.						
CAZ072			Greater Lake Tahoe Area						
	24	1800PST 25 0600PST				0	0	0	Heavy Snow
			California Department of Transportation reported 21 inches of snow in 12 hours at Donner Summit.						
CAZ073			Mono						
	30	0835PST 2035PST				0	0	0	Heavy Snow
			Spotter report of 10-14 inches of snow in 12 hours at Mammoth Lakes.						
CAZ071			Lassen/Eastern Plumas/Eastern Sierra						
	30	1140PST 1640PST				0	0	0	Heavy Snow
			Spotter report of 5-6 inches of snow in 5 hours in Mammoth Lakes.						

Storm Data and Unusual Weather Phenomena

January 2000

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

CALIFORNIA, South Central

CAZ095 Kern Cty Mtns
21 0800PST **0** **0** **Fog**
1900PST
 California Highway Patrol reported visibility dropped to 200 feet on Highway 58 over Tehachapi Summit with only 150 feet of visibility in the Tehachapi Valley itself.

CAZ096>097 S Sierra Mtns - Tulare Cty Mtns
23 0330PST **0** **0** **Winter Storm**
25 0950PST
 Badger Pass in Yosemite National Park reported 24 inches of snow from the 23rd through much of the morning of the 25th.

CAZ096>097 S Sierra Mtns - Tulare Cty Mtns
23 0745PST **0** **0** **Snow**
24 0330PST
 With snow continuing afterwards during the day, CALTRANS reported 3 to 4 inches of snow by 0745 PST.

Mariposa County

Briceburg
24 1530PST **0** **0** **Urban/Sml Stream Fld**
25 1510PST
 During the period from Sunday the 23rd through early Tuesday the 25th, significant rainfall occurred in Interior Central California. Highway 140 in Mariposa County near Briceburg was closed due to a rock and mudslide from the large amount of rain early on Monday the 24th. San Joaquin Valley urban areas had significant ponding of water and mountain streams exhibited large amounts of flow with minimal adjacent flooding along the San Joaquin Valley floor and S.Sierra Nevada foothill interface. On the Valley floor Merced received 1.82 inches.. Madera Ranchos 2.05".. Northeast Fresno 2.29".. East Visalia 2.20".. Northeast Exeter 1.80".. and Porterville 0.59". In the mountain areas of the Southern Sierra Nevada Yosemite N.P. received 6.27 inches.. Fishcamp 10.00".. Bass Lake 6.78".. Shaver Lake 5.69".. Lodgepole 5.37".. Springville 3.35".. and Glenville 1.72".

Kern County

2 N (Bf)Meadows
Field Ap to
10 E (Bf)Meadows
Field Ap
25 2213PST **0** **0** **Thunderstorm**
2300PST
 Trough passage through South-central California produced enough instability to develop a line of thunderstorms in the Southern San Joaquin Valley and especially around the city of Bakersfield early in the evening of January 25th. The result was a spectacular lightning display around the city along with 0.11" of rain in an hour.

CAZ089>092 W Central Sj Valley - E Central Sj Valley - Sw Sj Valley - Se Sj Valley
29 0215PST **0** **0** **Fog**
0900PST
 Widespread areas of the Central and Southern San Joaquin Valley experienced dense fog on the morning of the 29th as plenty of surface moisture and clear skies beneath high pressure allowed excellent radiational cooling conditions. As early as 0215 PST Fresno, Madera, and Visalia all dropped to less than 1/4 mile.. followed by Hanford at 0400 PST.. and Merced and Bakersfield by 0530 PST.

CAZ096>097 S Sierra Mtns - Tulare Cty Mtns
30 1000PST **0** **0** **Winter Storm**
2140PST
 Tuolumne Meadows received 13 inches, and Lodgepole 10 inches of new snow in under 12 hours on Sunday the 30th.

CALIFORNIA, Southeast

CAZ026 Owens Valley
11 1301PST **0** **0** **High Wind (G67)**
 Strong west winds developed over the southern Sierra as a Pacific Storm moved across northern Nevada. A weather spotter in Aspendell reported high winds with a peak gust of 77 mph recorded on his home weather station. No damage was reported.

CAZ026 Owens Valley
30 1400PST **0** **0** **Heavy Snow**
1915PST
 A Pacific storm moved into central California and deposited a substantial amount of snow over the southern Sierra in a short period. A weather spotter in Aspendell (8,500 feet) reported 9 inches of new snow in a little more than five hours.

CALIFORNIA, Southwest

CAZ055>056 San Bernardino County Mountains - Riverside County Mountains
01 0000PST **0** **0** **40K** **Heavy Snow**
1000PST
 The first significant snow fall of the winter season stranded hundreds of visitors who had gone to the mountains to celebrate New Years Day. Highway 18 was closed between Rimforest and the Heaps Peak Arboretum. Six inches of snow was observed at the 5000 feet elevation.

Storm Data and Unusual Weather Phenomena

January 2000

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

COLORADO, Central and Northeast

COZ036>037-041-046 Southern Front Range Foothills/Clear Creek Basin - South Park - Eastern Douglas And Western Elbert Counties/Castle Rock And Vicinity - Eastern Elbert And Northern Lincoln Counties/Limon And Vicinity

26	1400MST			0	0	0	0	Heavy Snow
27	0600MST							

Heavy snow fell across portions of South Park, the Southern Front Range Foothills and Palmer Divide. Snowfall amounts included: 12 inches, 5 miles south of Fairplay, 8 inches at Bergen Park, 6 miles south of Evergreen, 15 miles southwest of Hartsel, Hugo and 8 miles southwest of Lake George, with 6 inches reported 8 miles southeast of Matheson.

COLORADO, East Central

COZ090>091 Yuma County - Kit Carson County

03	0100MST			0	0			Winter Storm
	1000MST							

A band of 8-11 inch snowfall was reported from southern Yuma County into extreme northern Kit Carson County. The heaviest snow fell during the overnight hours along with some significant drifting.

COLORADO, South Central and Southeast

COZ061-067-072 Eastern San Juan Mountains - Teller County/Rampart Range/Pikes Peak - Northern El Paso County/Monument Ridge

01	0200MST			0	0			Winter Storm
	2300MST							

A low pressure system moving from the Four Corners region through southern Colorado and northern New Mexico caused snow, very heavy at times, and localized gusty winds. In northern El Paso county, snow totals included 3 inches at both Black Forest and Monument, 4 inches at Palmer Lake, and 5 inches north of Peyton. In Teller county, around 6 inches of snow was noted at Woodland Park and Divide, and 8 inches at Cripple Creek. The heaviest snows for this event fell over portions of Rio Grande and Mineral counties where 23 inches of snow hampered travel over Wolf Creek Pass, while 23 to 28 inches of snow was measured southwest of Creede.

COZ066-072>073-077>078-080>081 Southern Sangre De Cristo Mountains - Northern El Paso County/Monument Ridge - Pueblo And Eastern Fremont Counties/Pueblo And Vicinity - Eastern Las Animas County - Kiowa County - Prowers County/Lamar And Vicinity - Baca County/Springfield And Vicinity

02	2200MST			0	0			Winter Storm
03	0900MST							

A low pressure system in combination with a surface cold front caused periods of snow, heavy at times, and occasional gusty north winds of 15 to 35 mph. In northern El Paso county, Monument observed 6 inches of snow. In Pueblo county, Beulah reported 3 inches of snow, and Rye received 6 inches. In Huerfano county, Cuchara measured 7 inches of snow. In Kiowa county, 3 inches of snow accumulated at Sheridan Lake and north of Brandon. In Prowers county, Holly received 4 inches of snow. In Baca county 3 inches of snow was noted near Springfield. In Las Animas county, Kim recorded 3 inches of snow.

COZ064>065-068-071>072-072-072-072-072-072>073-073-073-073>074 Southern San Luis Valley - Northern Sangre De Cristo Mountains - Western Fremont And Northern Custer Counties - 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

09	0530MST			0	0			High Wind (G80)
10	1410MST							

A strong jet stream brought strong winds across portions of southern Colorado from the evening of the 9th through the early afternoon of the 10th. Some of the higher wind gusts follow. In El Paso county, wind gusts of 54 mph were noted at Monument...64 mph around the Black Forest...73 mph blasted Fort Carson and 78 mph winds were measured at the Air Force Academy. In Pueblo county...49 mph wind gusts were noted at Pueblo Memorial Airport...54 mph wind gusts were observed 25 miles southwest of Pueblo...and 58 mph wind gusts were noted 30 miles southeast of Pueblo. South of Walsenburg...50 mph winds gusts were observed...with 51 mph wind gusts noted 15 miles southwest of Conejos. Finally, Canon City in Fremont county recorded a wind gust of 60 mph.

COZ059 W Lake / W Chaffee County

09	0600MST			0	0			Heavy Snow
10	0600MST							

A strong upper jet stream in combination with favorable terrain orientation produced blizzard conditions at times in the higher elevations of Lake and Chaffee counties. Ten inches of snow, with locally higher amounts up to 2 feet, fell at Monarch ski area along with the strong winds.

Storm Data and Unusual Weather Phenomena

January 2000

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

COLORADO, South Central and Southeast

COZ067-070>071-071-071-071>072 **Teller County/Rampart Range/Pikes Peak - Wet Mountains - Southern El Paso County/Colorado Springs And Vicinity - Northern El Paso County/Monument Ridge**

12	0100MST 0729MST				0	0			High Wind (G69)
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Strong winds aloft mixed down to the surface across portions of the Pikes Peak Region and Wet Mountains. Some reported wind gusts were 58 mph at Green Mountain Falls...59 mph at Monument...63 mph at Fort Carson...64 mph 5 miles west of San Isabel...64 mph at Skyway in Colorado Springs...74 mph in the Broadmoor area of Colorado Springs and 79 mph at Norad.

COZ067-071-071-071-071-071>072-072-072-072>074 **Teller County/Rampart Range/Pikes Peak - 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**

19	0130MST 1217MST				0	0			High Wind (G63)
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Strong winds mixed down to the surface, associated with a strong jet stream. Winds gusts between 50 and 73 mph were noted in the Rampart Range and in western Colorado Springs. Wind gusts between 50 and 62 mph were recorded in western Pueblo county and in Las Animas county around Aguilar.

COZ058 **Leadville And Vicinity**

21	0800MST				0	0			Heavy Snow
22	1345MST								

A weak disturbance brought a brief burst of heavy snow in the Leadville area, where 4 to 5 inches of snow fell.

COZ059-061 **W Lake / W Chaffee County - Eastern San Juan Mountains**

25	1500MST				0	0			Heavy Snow
26	0800MST								

An upper level disturbance produced isolated heavy snow reports at the highest passes. Wolf Creek Pass logged 8 inches of snow, and 10 inches of snow was measured at Monarch Pass in Chaffee county.

COZ063-066>073-076-080>081 **Alamosa County/Alamosa And Vicinity - Southern Sangre De Cristo Mountains - Teller County/Rampart Range/Pikes Peak - Western Fremont And Northern Custer Counties - Upper Arkansas River Valley/Salida And Vicinity - Wet Mountains - Southern El Paso County/Colorado Springs And Vicinity - Northern El Paso County/Monument Ridge - Pueblo And Eastern Fremont Counties/Pueblo And Vicinity - Crowley And Otero Counties/La Junta And Vicinity - Prowers County/Lamar And Vicinity - Baca County/Springfield And Vicinity**

26	1100MST				0	0			Winter Storm
27	2330MST								

An intense storm system brought a large area of snow...heavy at times...over southern Colorado. Alamosa received 3 inches of snow, as did Manzanola in Otero county. In Huerfano county, 4 inches of snow fell at Cuchara, and 4 inches was measured around Springfield in Baca county. In Chaffee county, Buena Vista recorded 6 inches of snow. In Fremont county, Coaldale also received 6 inches of snow. In Pueblo county, Wetmore accumulated 4 inches of snow, and Beulah reported 6 inches of snow. San Isabel in Custer county received 8 inches of snow. In El Paso county, Calhan received 5 inches of snow...the Black Forest accumulated 6 inches...portions of Colorado Springs received up to 7 inches...Monument measured 8 inches and the area around Cheyenne Mountain in southwest Colorado Springs tallied 10 inches of snow. In Teller county, Woodland Park received 8 inches of snow while Divide measured 10 inches. Finally, an isolated narrow band of heavy snow occurred with 11 inches of snow reported in southern Prowers county.

COZ063>066-071>072-074 **Alamosa County/Alamosa And Vicinity - Southern San Luis Valley - Northern Sangre De Cristo Mountains - Southern Sangre De Cristo Mountains - Southern El Paso County/Colorado Springs And Vicinity - Northern El Paso County/Monument Ridge - Upper Huerfano River Basin/Walsenburg And Vicinity**

27	0100MST				0	0			Winter Storm
28	0500MST								

Another upper level disturbance generated areas of heavy snow. Walsenburg, in Huerfano county received 4 inches of snow...and Fort Garland in Costilla county also reported 4 inches of snow. Monte Vista in Rio Grande county measured 5 inches of snow while Manitou Springs in El Paso county was graced with 6 inches of snow. The Broadmoor area of southwest Colorado Springs accumulated 8 inches of snow. Cuchara in Huerfano county acquired 8 inches of snow, while La Veta Pass received 10 inches of snow.

Storm Data and Unusual Weather Phenomena

January 2000

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

COLORADO, West

COZ003>004-009-011>012-017>023 **Roan And Tavaputs Plateaus - Elkhead And Park Mountains - Grand And Battlement Mesas - Central Gunnison And Uncompahgre River Basin - West Elk And Sawatch Mountains - Uncompahgre Plateau And Dallas Divide - Northwestern San Juan Mountains - Southwestern San Juan Mountains - Paradox Valley / Lower Dolores River Basin - Four Corners / Upper Dolores River Basin - Animas River Basin - San Juan River Basin**

01	0000MST								
02	1800MST			0	0				Heavy Snow

A slow moving Pacific trough produced 10 to 20 inches of snow in most mountain areas of western Colorado, as well as 6 to 10 inches of snow in most lower elevation areas of southwest Colorado. Some high elevation exceptions included 36 inches at Powderhorn Ski Area, 28 inches at Mesa Lakes Resort, and 22 inches at Coal Bank Pass. Some lower elevation exceptions included 15 inches at Pagosa Springs, 12 inches at Redvale, 11 inches at Durango, and 11 inches near Lazear.

COZ004>005-010-012 **Elkhead And Park Mountains - Upper Yampa River Basin - Gore And Elk Mountains/Central Mountain Valleys - West Elk And Sawatch Mountains**

09	0000MST								
	2300MST			0	0				Winter Storm

A moist northwest flow aloft produced 8 to 16 inches of new snow in many northern and central mountain areas of western Colorado. Wind gusts of 50 to 60 MPH were common in exposed areas. A peak gust of 93 MPH was clocked at the Storm Peak Lab near Steamboat Springs Ski Area.

COZ004-009>010-012-018>019 **Elkhead And Park Mountains - Grand And Battlement Mesas - Gore And Elk Mountains/Central Mountain Valleys - West Elk And Sawatch Mountains - Northwestern San Juan Mountains - Southwestern San Juan Mountains**

21	1200MST								
22	1600MST			0	0				Heavy Snow

A moist westerly flow produced 8 to 12 inches of snow in some mountain areas of western Colorado. Exceptions with heavier reported snowfall included 23 inches at Vail Ski Area, 19 inches at Gothic near Crested Butte, and 18 inches near Marvine Lake on the Flat Tops Mountains.

COZ010 **Gore And Elk Mountains/Central Mountain Valleys**

24	2100MST								
				0	0				Avalanche

An avalanche blocked a section of the westbound lanes on Interstate 70. I-70 westbound was closed for about two hours as snow 3 to 5 feet deep was removed from the road.

COZ004-009>010-012-018>019 **Elkhead And Park Mountains - Grand And Battlement Mesas - Gore And Elk Mountains/Central Mountain Valleys - West Elk And Sawatch Mountains - Northwestern San Juan Mountains - Southwestern San Juan Mountains**

25	0000MST								
26	2200MST			0	0				Heavy Snow

A moist westerly flow with embedded disturbances produced 10 to 15 inches of snow in most mountain areas of western Colorado. Heavier reported amounts included 26 inches at Vail Ski Area, 20 inches at Telluride Ski Area, and 16 inches on the Grand Mesa.

COZ010 **Gore And Elk Mountains/Central Mountain Valleys**

25	1700MST								
				1	0				Avalanche

A cross-country skier was caught in an avalanche which occurred in Hurricane Gulch, about 5 miles south of Aspen. The avalanche was 120 feet wide and 150 feet long. The victim was found about two hours later buried under six feet of snow and debris. The avalanche was a result of recent heavy wet snowfall on an old icy snowpack which resulted in a weak snow layer. M37OU

CONNECTICUT, Northeast

CTZ002 **Hartford**

12	1000EST								
	1400EST			0	0				Strong Wind

Gusty northwest winds buffeted northern Connecticut as high pressure built into the region from Canada. The strongest winds were felt in Hartford County, where a peak gust of 47 mph was reported at Bradley International Airport in Windsor Locks. There were no reports of wind damage.

CTZ002>004 **Hartford - Tolland - Windham**

13	0600EST								
	1800EST			0	0				Snow

Low pressure passing south of Cape Cod brought the first widespread snowfall of the season to northern Connecticut. Accumulations of 4 to 6 inches were widely observed. Snow began falling during the morning commute, which caused roads to quickly become iced over. More than 30 accidents were reported, especially in Greater Hartford. Even though most places had already seen a trace of snowfall so far, it was the first accumulating snowfall in northern Connecticut since March 15, 1999.

CTZ002 **Hartford**

16	1700EST								
17	1200EST			0	0				Strong Wind

Storm Data and Unusual Weather Phenomena

January 2000

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

CTZ005>006-009 Northern Fairfield - Northern New Haven - Southern Fairfield

	25	2200EST			0	0			Winter Storm
	26	0200EST							

A strong low pressure system (Nor'easter) moved north to northeast, passing just east of Montauk Point before Midnight on January 25th.

Snow developed between 5 and 6 am along the immediate coast and spread rapidly north during the morning rush hour. Snowfall rates up to 2 inches per hour occurred during the peak of the morning rush hour. White-out conditions caused massive traffic interruptions. Snowfall during the morning commute ranged from less than 2 inches at Groton (Coastal New London County) to around 5 inches at Darien (Coastal Fairfield County). As warm air in the lower levels wrapped around this storm, snow changed to freezing rain and sleet. From mid-morning through late afternoon, light freezing rain fell along the coast with a mixture of freezing rain and sleet inland. As the low approached Long Island, bands of moderate to heavy precipitation rotated northwest around the low. A mixture of heavy snow and sleet fell across this area after 9 pm.

Here are selected snowfall amounts from this storm for:

Fairfield County: from 4 inches at Bridgeport to 8.5 inches at New Canaan. At Danbury, 7 inches was measured.

Northern New Haven County: from 6.3 inches at Beacon Falls to 7 inches at Waterbury.

From 3 to 5 inches of snow fell across Coastal New Haven (4.5 inches at New Haven), Middlesex, and Northern New London Counties and less than 2 inches occurred along Coastal New London County.

This low was preceded by strong northeast winds that gusted from 40 to 45 mph. In addition, minor tidal flooding occurred across parts of the shores bordering Long Island Sound west of New Haven around the times of high tides during the early afternoon.

DELAWARE

DEZ001>004

New Castle - Kent - Inland Sussex - Delaware Beaches

	02	1000EST			0	0			Unseasonably Warm
	04	1800EST							

A large high pressure system at the surface and in higher levels of the atmosphere over the western Atlantic Ocean continued the flow of mild and unseasonably warm air into the Middle Atlantic States. High temperatures were well into the 60s on the 2nd and 3rd and reached around 70 degrees on the 4th. Due to cooler historical readings, daily high temperature records were set on the 2nd and the 3rd (both 64 degrees) at the New Castle County Airport, but not on the 4th. A strong cold frontal passage late in the afternoon on the 4th brought an end to the unseasonably warm weather. The highest temperatures (all on the 4th) included 72 degrees in Salisbury MD, 71 degrees in Georgetown, 68 degrees at the New Castle County Airport and 66 degrees within Wilmington.

DEZ003

Inland Sussex

	04	1600EST			0	0			Wind
		1800EST							

A strong cold front that moved through Delaware late in the day produced strong wind gusts to around 45 mph. The winds tore off some shingles from the 270-year-old Lewes Chamber of Commerce (known as the Fisher-Martin House) Building.

DEZ001

New Castle

	07	0530EST			0	0			Black Ice
		0800EST							

Light winds, subfreezing temperatures and fog produced black ice on the Saint Georges Bridge over the Chesapeake and Delaware Canal. The bridge was closed for about two hours from 6 a.m. EST to 8 a.m. EST after the black ice caused three accidents in five minutes. The morning low at the New Castle County Airport was 27 degrees.

DEZ001>004

New Castle - Kent - Inland Sussex - Delaware Beaches

	11	1100EST			0	0			Wind
		1230EST							

A strong cold front produced wind gusts to around 50 mph as it pushed through the state around Noon EST on the 11th. Peak wind gusts included 51 mph at the New Castle County Airport, 43 mph at the Dover AFB and 36 mph in Georgetown.

DEZ001>004

New Castle - Kent - Inland Sussex - Delaware Beaches

	13	1300EST			0	0			Wind
		1800EST							

An Alberta Clipper (low pressure system) moved through Pennsylvania and New Jersey during the day on the 13th. The Delmarva Peninsula was located in the warm sector of this system and received little precipitation. The relatively warm surface temperatures coupled with an approaching cold front and strong winds aloft produced strong gusty winds near the ground during the afternoon. Peak wind gusts included 50 mph in Salisbury (MD) and 46 mph at the New Castle County Airport. No serious damage was reported.

Storm Data and Unusual Weather Phenomena

January 2000

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

DELAWARE

DEZ001

New Castle

16	2100EST 2300EST			0	0				Wind
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A strong cold front moved through Delaware late in the afternoon on the 16th. This cold frontal passage initiated the coldest three week period of the winter season. As the cold air continued to barrel into the area Sunday evening, wind gusts reached to around 45 mph, especially in the northern part of Delaware. The peak wind gust at the New Castle County Airport was 46 mph.

DEZ001>003

New Castle - Kent - Inland Sussex

20	0400EST 2230EST			0	30				Heavy Snow
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A pair of low pressure systems, one that moved from the Northern Plains into western Pennsylvania before dissipating and a second one that developed near Wilmington, North Carolina the morning of the 20th produced a steady, heavy snow across most of Delaware. This was the first widespread accumulating snow of the winter season. The low intensified, but moved offshore relatively quickly. This prevented substantial accumulations from occurring. Enough warm air arrived at the coast to have precipitation fall as a snow and rain mixture. Accumulations along the shore were around an inch. Precipitation began between 4 a.m. and 5 a.m. EST on the 20th and fell at a steady rate throughout the day. The precipitation ended by midnight. Aside from the shore, accumulations across the state averaged between 3 and 6 inches. The snow caused many orthopedic injuries (fractured ankles and wrists) from nasty spills. Over a dozen people were also injured from sledding accidents. About two dozen traffic accidents were reported. Schools were closed on Thursday (the 20th) in Kent and Sussex Counties. The heavy snow forced the postponement of Governor Tom Carper's State of the State Address. It was estimated the clean-up from this storm cost the state about 1.1 million dollars. Accumulations included 6 inches in Wyoming (Kent County), 5.5 inches in Dover (Kent County) and Harbeson (Sussex County), 5.0 inches in Hockessin (New Castle County), Laurel (Sussex County) and Delmar (Sussex County), 4.5 inches in Camden (Kent County) and Newark (New Castle County) and 2.7 inches at the New Castle County Airport.

DEZ002>004

Kent - Inland Sussex - Delaware Beaches

23	2130EST			0	0				Freezing Drizzle
24	0300EST								

A weak low pressure system moved off the Middle Atlantic Coast on the 23rd. Winds around this low remained from the north to northeast the night of the 23rd. This left enough low level moisture for precipitation to fall as freezing drizzle during the second half of the evening of the 23rd into the early morning of the 24th in central and southern Delaware. Enough cold air moved in by the morning of the 24th to change the precipitation over to flurries. Slippery conditions existed overnight, especially on untreated roadways.

DEZ001>004

New Castle - Kent - Inland Sussex - Delaware Beaches

25	0100EST			0	25				Winter Storm
26	0000EST								

DEZ003>004

Inland Sussex - Delaware Beaches

25	0700EST 1700EST			0	0	50K			High Wind (G50)
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DEZ003>004

Inland Sussex - Delaware Beaches

25	1000EST 1500EST			0	0				Coastal Flooding
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The most intense winter storm since the Blizzard of 1996 buried Delaware on the 25th with 6 to 12 inches of snow, sleet and freezing rain, wind gusts as strong as 60 mph along the shore, minor to moderate coastal flooding and drifts as high as four feet. Schools and government offices were closed on the 25th. Police advised people to stay home. Many schools were still closed on the 26th. Many malls were either closed or closed early on the 25th. For the second time in a week Governor Tom Carper was forced to postpone his State of the State Address. About 75 accidents were reported; most were vehicles sliding off the roads. Several heart attacks from shoveling snow also occurred and there were dozens of "slip and fall" accidents as well as sledding accidents. About 61,000 homes and businesses lost power, hardest hit was Sussex County. The high winds forced the suspension of the Cape May-Lewes Ferry. The worst driving conditions were in the western part of Kent County with drifts as high as 4 feet.

The snow began with a vengeance between 1 a.m. and 3 a.m. EST across the state. Snowfall rates of around 2 inches per hour were common during the first couple of hours during this storm. By 6 a.m. EST, some locations already had 4 inches of new snow on the ground. After 5 a.m. EST, as warmer air came in above the ground and the precipitation intensity slackened, the snow began mixing with and changing over to sleet and freezing rain. Delaware spent most of the daylight hours in the storm's "dry slot" - an area of lighter precipitation. Even so, Georgetown had about 7 inches of snow on the ground by 9 a.m. EST. As colder air moved back into the state after 3 p.m. EST, the wintry mix started to change to sleet and then snow by the early evening of the 25th. The change to snow coincided with another heavier band of precipitation that affected Delaware during the evening of the 25th. The snow ended around Midnight EST on the 26th.

The heavy snow that fell during the predawn hours helped cut down on the number of accidents. About 75 accidents were reported. The worst (serious injuries) included a tractor trailer accident on Interstate 495 in New Castle County and a sport utility vehicle that rolled over three times in Kent County. Many of the secondary and back roads remained unplowed. The worst driving conditions were reported in western Kent County, where 30 to 40 mph wind gusts produced drifts to four feet. The heavy snow forced the curtailment of bus and train service in New Castle County. Fifteen people were stranded in Wilmington when their bus could not

Storm Data and Unusual Weather Phenomena

January 2000

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

DELAWARE

continue its route.

About 61,000 homes and businesses lost power throughout the state. Most were in Sussex County as high winds and ice either brought down lines or made them "gallop" (wires touched each other and shorted themselves). Most of Lewes lost power for four hours during the evening of the 25th. About 3,500 homes and businesses lost power in Seaford and Bridgeville. Other outages affected Delmar, Fenwick Island, Gumboro, Laurel, Lincoln, Milford, Millsboro and Selbeyville. The high winds also took down dune fencing. The strong onshore winds also produced minor to moderate tidal flooding at the times of the midday high tide on the 25th. Ice in Delaware Bay protected most locations from tidal flooding. This storm also produced considerable beach erosion and left the coast unprepared for a second northeaster. Along the bay, Broradkill Beach experienced tidal flooding and the flooding spread along the Lewes-Rehoboth Canal. Along Indian River Bay, minor flooding occurred in Pots Nets Cove and Oak Orchard. Along the oceanside, the tide cut through the dunes in Gordons Pond and Whiskey Beach north of Rehoboth Beach. In Rehoboth itself, the ocean reached the dune line and came within 10 feet of the boardwalk. In Dewey Beach, flooding reached McKinley Street and overflowed the eight center blocks. Traditionally this is the first place to flood within Dewey Beach. About 10 percent of the dunes were lost. The ocean also washed over some of the dunes in South Bethany. Tidal flooding was reported along long stretches of Delaware State Route 1 and also parts of Delaware State Route 54. Both roads, despite having water on them, remained open. The high tide at Lewes was 7.7 feet above mean lower low water at 1154 a.m. EST on the 25th. Moderate tidal flooding usually starts at 7.7 feet above mean lower low water.

Total Accumulations included: in New Castle County 10 inches at the New Castle County Airport; in Kent County 11 inches in Woodside and Dover, 9 inches in Milford and 8 inches in Viola; in Sussex County 8.5 inches in Georgetown, 8 inches in Seaford, 6.5 inches in Lewes, 6 inches in Laurel and 5 inches in Rehoboth Beach.

The low pressure system responsible for the winter storm began as a weak low pressure system on a stationary front in southern Texas on the 23rd. By the morning of the 24th, it was located in the northeastern Gulf of Mexico near Apalachicola, Florida. Initial projections were for this storm system to stay far enough offshore for the heaviest precipitation to fall over the ocean and a more significant storm was expected on Wednesday the 26th. But, by Monday evening the 24th, it became apparent that the storm would not safely go out to sea. In fact, it was intensifying and hugging the South Atlantic Coast. By 7 a.m. EST on the 25th, it was about a 980 millibar low just northeast of Cape Hatteras. The storm's greatest intensification was over, but it moved northeast near the Atlantic Seaboard, instead of eastnortheast as was originally expected. At 7 p.m. EST, the storm was about a 975 millibar low located about 80 miles east of Long Beach Island, New Jersey. It proceeded to move northeast and weaken and at 7 a.m. EST on the 26th, it was a 988 millibar low just east of Portland Maine. This storm system pushed the cold front well offshore. The third low that did develop on Wednesday the 26th was too far offshore to affect the region other than reinforcing the preexisting cold northwest flow.

DEZ001

New Castle

30	1400EST	0	0	Winter Storm
	2200EST			

DEZ002

Kent

30	1400EST	0	0	Wintry Mix
	1800EST			

A low pressure system developed in the western Gulf of Mexico during the day on the 28th. It slowly moved eastnortheast and by Sunday morning the 30th was located near Apalachicola, Florida, not too far from the location of the January 25th storm. Unlike the previous storm, this one tracked farther to the west and moved northeast along the Atlantic Seaboard. By the morning of the 31st, it was located near Boston, Massachusetts. There was less cold air present at the start of the storm, especially along the coastal plain. Most of it was in the lowest layers of the atmosphere. During the afternoon precipitation started as snow in New Castle County, briefly as snow in Kent County and as plain rain farther south. Around two inches of snow accumulated in New Castle County before precipitation changed to freezing rain and sleet around 6 p.m. EST. Warm air was moving in from the nearby Atlantic and changed the freezing rain to plain rain. This occurred the fastest on the bayside of Kent County and the slowest in northwest New Castle County. By 10 p.m. EST all precipitation had changed to plain rain. By then around one-third of an inch of ice accrued on exposed surfaces in New Castle County. Untreated roadways were very treacherous and high traffic volume due to Super Bowl Sunday exacerbated the problems. In New Castle County, about a dozen accidents occurred on Interstates 95 and 495, half of them between 430 pm. EST and 515 p.m. EST. Several vehicles in the county were stranded because of the icy roads. Accumulations included 2.5 inches in Hockessin, 2.1 inches in Newark and 2 inches in Wilmington.

DISTRICT OF COLUMBIA

DCZ001

District Of Columbia

02	0800EST	0	0	Unusually Warm
	1800EST			

High pressure off the coast of the southeast U.S. turned winds southerly over the Mid-Atlantic region on the 2nd, starting a conveyor belt of warm air that would remain over the region through the 4th. With ample sunshine, high temperatures reached the upper 60s to lower 70s. The normal high temperature during the first week of January at Washington Reagan National Airport is 43 degrees. On the 2nd, the high temperature at National Airport and at the National Arboretum in D.C. reached 69 degrees. On the 3rd, National Airport reached 68 degrees and the National Arboretum reached 69 degrees. On the 4th, a new record high temperature of 68 degrees was set at National Airport. The National Arboretum reported a high temperature of 71 degrees. During the evening of the 4th, a strong cold front moved across the region, bringing and end to the unseasonably warm weather.

Storm Data and Unusual Weather Phenomena

January 2000

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

DISTRICT OF COLUMBIA

DCZ001	District Of Columbia	11	1030EST		0	0	10K		High Wind
	A strong cold front with damaging winds moved across the Washington D.C. metropolitan area during the morning of the 11th. High winds downed trees in Northwest D.C. and several parked cars were damaged. A wind gust of 44 MPH was reported at Washington Reagan National Airport.								
DCZ001	District Of Columbia	13	1100EST 2000EST		0	0	10K		High Wind
	A vigorous cold front moved across the Washington D.C. metropolitan area around midday on the 13th. Winds in excess of 55 MPH reached the ground after the front moved through. High winds downed a tree onto a car and a home in the District, resulting in significant damage. Over 4300 customers lost power during the afternoon after tree limbs fell onto power lines. A wind gust of 55 MPH was recorded at Washington Reagan National Airport and a spotter estimated winds of over 50 MPH in the District.								
DCZ001	District Of Columbia	20	0300EST 2000EST		0	0			Winter Weather
	An area of low pressure moved from west to east across the Mid-Atlantic region on the 20th, dropping light snow between midnight and mid-afternoon. Gusty winds of 35 to 45 MPH developed during the afternoon causing the snow to drift across roadways and reduce visibilities. The first snowstorm of the season forced Washington Reagan National Airport to cancel one third of morning flights. Several minor traffic accidents were reported across the metropolitan area. National Airport reported a snowfall total of 3.6 inches, observers at the National Arboretum and Dupont Circle reported 3.0 inches, and an observer in Northwest recorded 4.3 inches.								
DCZ001	District Of Columbia	21	0000EST 1000EST		0	0			Extreme Windchill
	During the morning of the 21st, northwest winds were blowing at 15 to 30 MPH. Temperatures in the District were in the teens. This resulted in wind chill readings from 10 to 25 degrees below zero between midnight and 10 AM. The winds also caused snow that had fallen in the past 24 hours to drift back onto roads, resulting in a difficult morning commute.								
DCZ001	District Of Columbia	25	0300EST 2359EST		0	0			Winter Storm
	Low pressure off Cape Hatteras rapidly intensified late on the 24th and developed into a nor'easter which tracked northward along the Eastern Seaboard on the 25th. Very heavy snow and near-blizzard conditions were seen across the District throughout the day, resulting in extremely hazardous travel conditions. Wind gusts of up to 45 MPH were recorded and some secondary roads were drifted shut by blowing snow. Numerous traffic accidents were reported across the metropolitan area. Washington Reagan National Airport, commuter trains, and many bus routes were shut down. A new daily snowfall record of 9.3 inches was set at Washington Reagan National Airport. A storm total snowfall of 9.0 inches was recorded at the National Arboretum and at Dupont Circle, and an observer in Northwest recorded 11.0 inches.								
DCZ001	District Of Columbia	30	0500EST 1800EST		0	0			Winter Storm
	Cold air was in place east of the Blue Ridge Mountains on the 29th and 30th, keeping surface temperatures below freezing. Low pressure moved from the Lower Mississippi Valley northeastward to the Mid-Atlantic region early on the 30th, creating perfect conditions for a mix of sleet, freezing rain, and snow across the District. The mixed bag of precipitation resulted in several traffic accidents across the metropolitan area and travel delays at Washington Reagan National Airport and on commuter rail and bus lines. Storm total snow/sleet accumulations included 1.2 inches at National Airport, 1.8 inches at Dupont Circle, and 1.5 inches at the National Arboretum. Ice accumulations were less than one quarter inch.								

FLORIDA, East Central

NONE REPORTED.

FLORIDA, Extreme Southern

Monroe County

Marathon	10	0850EST 0855EST		0	0				Funnel Cloud
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Funnel cloud was sighted about 5 miles southwest of the 7 mile bridge.

FLORIDA, Northeastern

Duval County

3 NE Jacksonville Hgts	10	1145EST		0	0	35K			Thunderstorm Wind
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Three homes with roof damage. Several large trees and power lines were blown down.

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
<u>FLORIDA, Northeastern</u>									
Hamilton County									
Jasper	24	0745EST			0	0	2.5K		Thunderstorm Wind
			Large trees and power lines were blown down.						
Columbia County									
Ft White	24	0825EST			0	0	1.5K		Thunderstorm Wind
			Large trees were blown down.						
Union County									
Lake Butler	24	0832EST			0	0	2.5K		Thunderstorm Wind
			Large trees and power lines were blown down.						
Columbia County									
Lake City	24	0856EST			0	0	1K		Thunderstorm Wind
			Large trees were blown down.						
Union County									
Raiford	24	0859EST			0	0	1K		Thunderstorm Wind
			Large trees were blown down.						
Baker County									
Macclenny	24	0930EST			0	0	2.5K		Thunderstorm Wind
			Large trees and power lines were blown down.						
Duval County									
Mandarin	24	1015EST			0	0	3K		Thunderstorm Wind
			Large trees and power lines were blown down.						
Clay County									
Orange Park	24	1023EST			0	0	3K		Thunderstorm Wind
			Large trees and power lines were blown down.						
<u>FLORIDA, Northwest</u>									
Bay County									
2 W Hollywood Beach	24	0420EST			0	0	10K		Thunderstorm Wind
			An awning blown off a building reported by the public.						
Bay County									
8 N Southport	24	0445EST			0	0	1K		Thunderstorm Wind (G60)
			Large pine trees down reported by the Bay County S.O.						
Bay County									
10 N Vicksburg	24	0445EST			0	0			Hail (0.88)
			Nickel size hail reported by the Bay County S.O.						
Calhoun County									
2 S Altha	24	0500EST			0	0	35K		Thunderstorm Wind
			The Calhoun County S.O. reported a large oak tree blown onto a home. Other downed trees and power lines with scattered outages reported countywide.						
Calhoun County									
Blountstown	24	0510EST 0515EST			0	0	20K		Thunderstorm Wind
			A home sustained roof damage from a fallen tree. Some power lines down reported by the Calhoun County EM.						
Gadsden County									
Countywide	24	0615EST 0630EST			0	0	10K		Thunderstorm Wind
			The Gadsden County S.O. reported numerous trees and power lines down with scattered power outages south of Interstate 10.						
Leon County									
Tallahassee	24	0630EST 0645EST			0	1	250K		Thunderstorm Wind
			A two-story wood-brick frame home sustained extensive damage when three large pine trees were blown into the second floor bedrooms. A one-story brick home was damaged by a fallen tree. The lone resident suffered minor head injuries and was released. Numerous reports received by storm spotters of trees and limbs blown onto power lines. Power outages affected 3,000 customers.						

Storm Data and Unusual Weather Phenomena

January 2000

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

FLORIDA, Southern

Dade County

Miami Beach	03	1300EST 1600EST			0	1			Rip Currents
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A 57-year old man was hospitalized after nearly drowning in a rip current. Thirteen other persons had to be rescued from rip currents during the afternoon with winds along Miami Beach blowing from the east at 10 to 15 mph.

FLZ068

Coastal Palm Beach

	14	0800EST 1800EST			1	0	100K		High Wind (G40)
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Sustained winds of 20 to 30 mph with gusts near 45 mph buffeted south Florida following the passage of a cold front. A 50-year old man was killed when the winds toppled a concrete wall around 3 pm at a liquor store construction site in Boynton Beach. Power outages from falling branches left 26,000 electrical customers without service for several hours. The strong winds caused rough surf conditions and drove a 280-foot barge aground near the Breakers Hotel in Palm Beach. Numerous small brush fires spread rapidly by the wind, briefly threatened some residences in Dade, Broward and Palm Beach counties. M50BU

Palm Beach County

10 W West Palm Beach	17	1950EST 2100EST			0	0	20K		Wild/Forest Fire
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A 5-acre brush fire destroyed two storage trailers.

FLORIDA, West Central

FLZ042-048>051-055-060-062 Citrus - Hernando - Pasco - Pinellas - Hillsborough - Manatee - Sarasota - Charlotte

	18	0430EST 0900EST			0	0	0	0	Fog
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Areas of dense fog reduced visibility to less than a quarter mile over coastal portions of West Central and Southwest Florida.

FLZ039-042>043-048

Levy - Citrus - Sumter - Hernando

	22	0200EST 0800EST			0	0	0	0	Freeze
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Temperatures dropped into the middle 20s and stayed below freezing from four to six hours over portions of Levy, Citrus, Sumter and Hernando counties.

Lee County

10 E Estero to 12 E Estero	24	0329EST 0333EST	2.5	75	0	0	500K	0	Tornado (F1)
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A tornado (F1) touched down approximately one mile southwest of Corkscrew road on Lazy D Farms road where it downed a few trees, caused minor damage to a weathered mobile home, slightly damaged two vehicles and killed two cows. The tornado continued northeast where it caused minor damage to three planes and a recreational vehicle in a hanger on Corkscrew Trace road.

The tornado crossed Corkscrew road and caused moderate damage to a 3000 gallon water tank on the north side of the road. The water tank was moved nearly a thousand yards by the tornadic wind. The tornado proceeded northeast and caused minor to moderate damage to a couple of pole barns and destroyed a storage shed along Katydid Lane.

The tornado caused minor to moderate damage to a few weathered mobile homes, pole barns and sheds along Wildcat road before it lifted and dissipated.

A total of eight homes, four pole barns, four storage sheds, several cars, an airplane hanger and several trees, were damaged by the F1 tornado.

FLZ039-042>043 Levy - Citrus - Sumter

	26	0400EST 0900EST			0	0	0	0	Freeze
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Temperatures dropped into the upper 20s over Levy county and stayed below freezing for up to five hours. In eastern Citrus and Sumter counties, temperatures dropped into the upper 20s and lower 30s and stayed below freezing for up to three hours.

Storm Data and Unusual Weather Phenomena

January 2000

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

FLORIDA, West Central

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

	26	2100EST			0	0	0	0	Freeze
	27	0900EST							

Temperatures dropped into the middle 20s over most of Levy, Citrus, Sumter, Hernando, and Pasco counties and stayed below freezing from six to twelve hours.

Temperatures dropped into the upper 20s and lower 30s over Polk, eastern Hillsborough, De Soto, Hardee, Highlands, eastern Manatee, eastern Sarasota and eastern Charlotte counties and stayed below freezing from two to six hours.

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

	30	0400EST			0	0	0	0	Fog
		0900EST							

Areas of dense fog reduced visibility to less than a quarter mile over coastal and inland areas of West Central and Southwest Florida.

FLORIDA, West Panhandle

FLZ005>006 **Inland Okaloosa - Coastal Okaloosa**

	27	2200CST			0	0			Sleet
	28	0500CST							

Light sleet fell across the county during the overnight hours of January 27 and 28. No accumulations were received.

GEORGIA, East Central

Mcduffie County

	8 N Thomson	10	0626EST		0	0	12K	0	Thunderstorm Wind (G50)
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Sheriff reported a few trees down in Raysville. One fell on a car and totalled it.

GEORGIA, Lower

Clinch County

	5 NE Homerville	24	0744EST		0	0	2.5K		Thunderstorm Wind
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Large trees and power lines were blown down.

Atkinson County

	1 N Pearson	24	0745EST		0	0	1.5K		Thunderstorm Wind
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Large trees and power lines were blown down.

Echols County

	Statenville	24	0755EST		0	0	2.5K		Thunderstorm Wind
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Large trees were blown down.

Brantley County

	Hoboken	24	0810EST		0	0	1.5K		Thunderstorm Wind
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Large trees were blown down.

Charlton County

	Folkston	24	0811EST		0	0	2.5K		Thunderstorm Wind
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Large trees and power lines were blown down.

Ware County

	Wahoma	24	0815EST		0	0	1.5K		Thunderstorm Wind
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Large trees were blown down.

GEORGIA, North and Central

Heard County

	Franklin	10	0140EST		0	0	1K		Tstm Wind/Hail
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Thunderstorm winds knocked trees down on power lines.

Carroll County

	Carrollton	10	0145EST		0	0	3K		Thunderstorm Wind
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Thunderstorm winds knocked down several trees on houses and power lines. There were power outages.

Douglas County

	2 SE Douglasville	10	0150EST		0	0			Hail (0.75)
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The public reported lots of hail in Douglas county near the intersection of highways 154 and 92.

Storm Data and Unusual Weather Phenomena

January 2000

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

GEORGIA, North and Central

GAZ001>009-011>016-019>025-027-030>039-041>059-061>062-066>072 **Dade - Walker - Catoosa - Whitfield - Murray - Fannin - Gilmer - Union - Towns - Chattooga - Gordon - Pickens - Dawson - Lumpkin - White - Floyd - Bartow - Cherokee - Forsyth - Hall - Banks - Jackson - Madison - Polk - Paulding - Cobb - North Fulton - Gwinnett - Barrow - Clarke - Oconee - Oglethorpe - Wilkes - Haralson - Carroll - Douglas - South Fulton - De Kalb - Rockdale - Walton - Newton - Morgan - Greene - Taliaferro - Heard - Coweta - Fayette - Clayton - Spalding - Henry - Butts - Jasper - Hancock - Warren - Troup - Meriwether - Pike - Upson - Lamar - Monroe - Jones**

28	1900EST	0	0	2.0M	Ice Storm
30	1400EST				

A series of short waves in the upper air pattern produced periods of mostly light to occasionally moderate precipitation over the north half of Georgia from Friday morning to Sunday afternoon. Patchy light snow began in west central and northwest Georgia around daybreak on the 28th. There was a light dusting on the ground by mid morning from Troup to Carroll county, east to Fayette county. Due to the dry layer of air aloft, much of the precipitation evaporated before reaching the ground, so eastward progression of the area of snow was slow. By evening, a mixture of light snow, sleet and freezing rain became more widespread over west central and northwest Georgia. Although the precipitation remained light and temperatures hovered in the low to mid 30s, ice began to accumulate on roads, bridges and overpasses. There was a 47 car pile-up on I-20 in downtown Atlanta late Friday night that backed up traffic into early Saturday morning. By Saturday morning, the 29th, temperatures had slowly fallen to near or just below the freezing mark over the north half of Georgia with a mix of light freezing drizzle, freezing rain, and sleet, with light snow in the mountains. The last batch of significant precipitation moved from Alabama into west central Georgia and on into the Atlanta metro area on Sunday morning. There were even one or two claps of thunder in Spalding county. Overall, the event generally produced 1/4 to 1/2 inch of ice accumulation, with isolated areas getting 1/2 to 1 inch of ice. The main problems seemed to be traffic accidents due to icy roads and bridges. There were scattered areas of trees and power lines down, but damage from this storm was nowhere as much as that from the storm the previous weekend.

GEORGIA, Northeast

GAZ010-017>018-026-028>029 **Rabun - Habersham - Stephens - Franklin - Hart - Elbert**

23	0300EST	0	0		Ice Storm
	1000EST				

A cold dome of arctic high pressure centered over the Mid-Atlantic States provided very cold and dry air to extreme northeast Georgia. Meanwhile, weak low pressure moved east along a frontal boundary stalled across the Gulf Coast States to the Georgia coast. Abundant moisture flowed north into the sub-freezing air over northeast Georgia, resulting in light snow as early as the the afternoon on the 22nd. Sleet mixed with the snow toward the evening hours, then changed to freezing rain by mid-evening. Two to 3 inches of snow and sleet fell across much of northeast Georgia - with a little less across Elbert county, before the changeover to freezing rain. Freezing rain lasted all night and through much of the morning on the 23rd. Ice accumulations reached damaging levels around 3 am, causing a large number of trees and power lines to fall throughout the morning. This in turn, resulted in widespread power outages.

GAZ010-017>018-026-028>029 **Rabun - Habersham - Stephens - Franklin - Hart - Elbert**

29	2100EST	0	0		Ice Storm
30	1800EST				

Weakening low pressure in the Ohio River Valley, developing low pressure along the Gulf Coast and cold, arctic air in place across the Carolinas resulted in an icy mess across northeast Georgia. Light freezing rain and sleet spread north across the area by noon on the 29th. The precipitation became mainly freezing rain by late afternoon and ice accumulated to damaging levels by 9 pm. Ice accrual between 1/4 and 1/2 inch brought trees and power lines down and resulted in scattered to numerous power outages. Particularly hard hit was Elbert county where the storm was described to be "the worst in 20 years."

GEORGIA, Southeast

NONE REPORTED.

GEORGIA, Southwest

Grady County

Countywide	24	0610EST	0	0	10K	Thunderstorm Wind
		0615EST				

The Grady County S.O. reported numerous downed trees on U.S. 19 South and Borden Rd.

Colquitt County

Moultrie	24	0615EST	0	0	20K	Thunderstorm Wind
		0630EST				

The Colquitt County S.O. reported several downed trees and power lines in Moultrie, and scattered countywide affecting 100 customers.

Storm Data and Unusual Weather Phenomena

January 2000

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

GEORGIA, Southwest

Thomas County

Thomasville	24	0615EST 0625EST			0	0	100K		Thunderstorm Wind
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Thunderstorm winds peeled a metal roof off the Central Middle School and set it on the ground. The Thomas County EM received numerous reports of downed trees, limbs and power lines on Pavo Rd, U.S. 19 South and County Rd 122 in Metcalf. A tree fell on a house in the Holly Springs subdivision off County Line Rd.

Lowndes County

Valdosta	24	0720EST 0730EST			0	0	150K		Thunderstorm Wind
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A large oak tree fell onto a second-story apartment building causing minor damage. Thunderstorm winds ripped roofs off two office supply buildings causing an estimated \$50,000 damage. The Lowndes County EM received numerous reports of downed trees, limbs and power lines blocking several roadways and causing scattered power outages countywide. Two power transformers caught fire in Valdosta with more than 200 residents without electricity. Georgia Power crews were dispatched from Tifton to assist with the repairs.

GEORGIA, West Central

NONE REPORTED.

HAWAII

HIZ003-005>008

Maui - Molokai - Lanai - West Hawaii Including Leeward Kohala And Kona - South Hawaii Including Kau

01	0000HST				0	0			Drought
31	2359HST								

While persistent trade winds brought ample rainfall to windward areas around the state in January, leeward sides generally saw below average precipitation. The state's agricultural sector had been counting on more rainfall for relief from the abnormally dry conditions that have plagued leeward sections for nearly three years.

Maui County

For the most part, little precipitation reached the southern portion of Upcountry Maui, an area that has been trying to recover from roughly three years of below-average rainfall. Upcountry gages at Kula and Ulupalakua saw January rainfall at only 24 and 10 percent of average, respectively. Although not part of the Upcountry area, Kihei received only 1 percent of average precipitation.

The gages on both Lanai and Molokai reported totals of less than 25 percent of average for January.

Island of Hawaii

Although windward sites were very wet, leeward areas had a definite lack of rainfall. Hydronet and cooperative sites in Kau and leeward South Kohala reported monthly precipitation at less than 20 percent of the January average. Rainfall from gages in the North and South Kona districts were generally in the range of 25 to 35 percent.

The following list contains rainfall statistics for selected locations from Maui County and the island of Hawaii. The first column is the observed rainfall for January. The second column is the 30-year average for that location, while the third column lists the percent of average rainfall for the month. The fourth and fifth columns are the year-to-date total and the percent of average, respectively.

	Jan 00	Avg.	%Avg.	YTD	YTD %Avg.
Maui					
Kahului	1.00	4.10	24	1.00	24
Hana	6.33	9.50	67	6.33	67
Kihei	0.03	4.10	1	0.03	1
Lahainaluna	0.14	4.40	3	0.14	3
Wailuku	2.21	5.20	43	2.21	43
Kula	1.19	4.90	24	1.19	24
Ulupalakua	0.52	5.20	10	0.52	10
Molokai					
Kaunakakai	0.43	3.30	13	0.43	13
Lanai					
Lanai City	0.67	6.10	11	0.67	11

Storm Data and Unusual Weather Phenomena

January 2000

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

HAWAII

Island of Hawaii

Hilo Airport		17.87	9.90	181	17.87	181
Pahala		1.06	7.70	14	1.06	14
Honaunau		1.07	3.70	29	1.07	29
Kamuela (Upper)		9.85	6.30	156	9.85	156
Glenwood		23.06	18.50	125	23.06	125
Laupahoehoe		21.00	13.50	156	21.00	156
Kamakoa		0.07	3.10	2	0.07	2
Kapapala		1.28	7.60	17	1.28	17

Agriculture continues to suffer in parts of Maui County and the island of Hawaii from dry conditions. Especially hard hit have been the coffee crop in Kona and macadamia nuts islandwide on the Big Island of Hawaii, according to Wayne Nishijima, interim head of the Big Island cooperative extension service. Also, water restrictions remain in effect for Niulii and Makapala in North Kohala, as does an outdoor burning ban imposed in 1998 for an area extending from Kau north through Kona to North and South Kohala.

Some ranching operations have been hurt by a lack of rainfall in parts of the Big Island as well. For instance, none of January's precipitation reached Kahuku Ranch, one of the island's largest spreads, said ranch manager Earl Spence. The last traceable rain was in December.

Hawaii County

**Kailua Kona to
Honaunau**

03 1500HST 1800HST 0 0 Urban/Sml Stream Fld

Rain was falling at the rate of 2-4 inches per hour from thunderstorms and towering cumulus clouds in the Kona districts of the Big Island. However, no serious flooding reports were received, though ponding of roadways occurred for a time during the event.

Hawaii County

**Ookala to
Volcano**

12 2300HST 13 0445HST 0 0 Urban/Sml Stream Fld

Rainfall exceeded 4.5 inches in the 6-hour period ending at 0200 on 13 January for a few areas in the Hilo and Puna districts on the Big Island. Except for ponding of roadways, though, no flooding problems were reported.

HIZ001>006

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

14 1100HST 16 0600HST 0 0 High Surf

Storm low far northwest of the state produced surf of 8 to 12 feet along the north shores of all the Hawaiian Islands.

HIZ001>006

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

23 1000HST 24 0400HST 0 0 High Surf

Gale low northwest of Hawaii generated surf of 6 to 10 feet along the north shores of all the isles.

HIZ001>006

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

26 1100HST 27 0600HST 0 0 High Surf

Storm low far northwest of the state caused surf of 8 to 12 feet along the north shores of all the islands.

HIZ007

West Hawaii Including Leeward Kohala And Kona

27 1200HST 28 1600HST 0 0 Wind

Winds from the east to northeast at 25 to 39 mph, with occasional gusts over 50 mph, struck in the South Kohala District on the island of Hawaii. A strong high pressure cell north of the state generated the blustery conditions. Blowing sand forced the closure of Hapuna Beach, and officials at Spencer Beach Park stopped issuing camping permits until the wind subsided. Also, Puukohola Heiau remained open but hiking trails were closed for a time.

HIZ004

North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna

27 1200HST 28 0830HST 0 0 High Wind (G52)

Northeast winds of 40 to 45 mph, with occasional gusts over 58 mph, occurred near the summits of both Mauna Kea and Mauna Loa on the island of Hawaii.

IDAHO, Extreme Southeast

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

January 2000

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

IDAHO, North

IDZ005>006

Northern Clearwater Mountains - Southern Clearwater Mountains

01	1430MST			0	0				
02	0300MST								Heavy Snow

Cool Creek- 10 inches of snow
Hemlock Butte- 7 inches of snow
Elk City- 8 inches of snow
Headquarters- 7 inches of snow

IDZ005>006

Northern Clearwater Mountains - Southern Clearwater Mountains

03	1430MST			0	0				
04	1500MST								Heavy Snow

Elk Butte- 19 inches of snow
Shanghai Summit- 13 inches of snow
Elk City- 10 inches of snow

IDZ005

Northern Clearwater Mountains

08	0600MST			0	0				
09	0600MST								Heavy Snow

Hemlock Butte- 16 inches of snow
Elk Butte- 20 inches of snow
Shanghai Summit- 11 inches of snow
Elk River- 8 inches of snow

IDZ005>006-009>010

Northern Clearwater Mountains - Southern Clearwater Mountains - Western Lemhi County - Eastern Lemhi County

10	0600MST			0	0				
11	0600MST								Heavy Snow

Hemlock Butte- 8 inches of snow
Elk Butte- 7 inches of snow
Shanghai Summit- 7 inches of snow
Mountain Meadows- 11 inches of snow
Moonshine- 9 inches of snow
Moose Creek- 11 inches of snow
Gibbonsville- 8 inches of snow
Salmon- 7 inches of snow
Shoup- 9 inches of snow

IDZ005

Northern Clearwater Mountains

13	1100MST			0	0				
14	1800MST								Heavy Snow

Cool Creek- 10 inches of snow
Hemlock Butte- 8 inches of snow
Elk Butte- 8 inches of snow

IDAHO, Northwest

IDZ001>004-027

Northern Panhandle - Coeur D'Alene Area - Idaho Palouse - Central Panhandle Mountains - Lewis And Southern Nez Perce

04	0300PST			0	0				
31	1100PST								Heavy Snow

Snow amounts of 4-16 inches accumulated in the mountains almost everyday. On the 4th and the 16th, heavy snow piled up in the lower elevations from Bonners Ferry to Coeur d'Alene and Moscow. Several vehicle accidents were reported.

IDZ002>003-026>027

Coeur D'Alene Area - Idaho Palouse - Lewiston Area - Lewis And Southern Nez Perce

09	1100PST			0	0	40K			
	2000PST								High Wind (G60)

With a strong jet stream overhead and tight westerly pressure gradient near the surface, strong and damaging winds of 40 to 60 kts were reported. Numerous trees and power lines were downed, leading to power outages.

Latah County

Viola

16	1055PST			0	0	30K			
	1058PST								Thunderstorm Wind

Roof damage to two homes.

Shoshone County

Wallace

16	1400PST			0	0				
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Quarter size hail

A strong cold front pushed into north Idaho with a line of rare winter thunderstorms along it. These thunderstorms produced gusty

Storm Data and Unusual Weather Phenomena

January 2000

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

IDAHO, Northwest

winds which caused some spotty damage across the area along with small hail.

Kootenai County

Coeur D Alene

31	0900PST 1500PST					0	0	15K	Urban/Sml Stream Fld
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Period of rain produced a half an inch along with melting 8 inches of snow. This led to urban flooding in the city of Coeur d'Alene with sewers overflowing and streets flooded.

IDAHO, Southeast

IDZ019-023

Upper Snake Highlands - Caribou Highlands

04	1200MST					0	0		Heavy Snow
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Heavy snow fell across portions of Eastern Idaho. An accumulation of 8 to 10 inches were recorded over the Teton Basin and the mountains near the Wyoming border, while 3 inches or less were recorded across the Upper Snake Plains and the Sawtooth Mountains.

IDZ018>019-023-031>032

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

10	0800MST					0	0		Winter Storm
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A winter storm brought heavy snow to the mountains of Eastern and Central Idaho. A widespread accumulation of 6 to 12 inches were reported from Sun Valley and the Sawtooth Mountains to the Teton Basin and the Big Hole Mountains. The highest accumulation reported was 24 inches near the Sawtooths.

IDZ019

Upper Snake Highlands

22	1500MST					0	1	1K	Avalanche
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A snowmobiler triggered an avalanche after riding up a steep mountain slope. The victim was quickly rescued by other snowmobilers, but still required hospitalization in intensive care.

IDAHO, Southwest

IDZ011-013-028>029

West Central Mountains - Boise Mountains - Camas Prairie - Owyhee Mountains

09	0800MST					0	0		Winter Storm
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A moist frontal system moved into Idaho with overrunning snow covering much of the southwest portion of the state. This system dumped up to 38 inches of snow in the higher elevations of the Central Idaho Mountains. Most areas reported amounts ranging from 6 to 12 inches although a number of sites reported 12 to 18 inches of snowfall.

ILLINOIS, Central

ILZ027>031-038-044>046-057

Knox - Stark - Peoria - Marshall - Woodford - Mclean - Piatt - Champaign - Vermilion - Edgar

19	1000CST 2000CST					0	2		Winter Storm
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During the day and early evening hours on the 19th, a winter storm with heavy snow affected Central Illinois with 4 to 6 inches of snow across a large area. There were some local 6 to 8 inch amounts of snow, mainly along and north of a Galesburg (Knox County) to Bloomington (McLean County) to Danville (Vermilion County) line. A cooperative observer in Minonk (Woodford County) reported 7.5 inches of snow. Blowing and drifting of snow was reported as well. The storm caused numerous road closures as well as accidents. Two injuries were reported with a couple of the accidents (one in Peoria County and one in Vermilion County).

ILLINOIS, Northeast

ILZ003-008-010>011-019>023-032>033-039

Winnebago - Ogle - Lee - De Kalb - La Salle - Kendall - Grundy - Will - Kankakee - Livingston - Iroquois - Ford

19	1200CST					0	0		Heavy Snow
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On the afternoon and evening of January 19th and early morning of January 20th, 4 to 9 inches of snow fell across much of northern Illinois. A narrow band of 8 to 9 inches of snow fell from southwest LaSalle County, to Dwight in northern Livingston County, to Watseka in central Iroquois County. Official storm totals: 5.3 inches in Rockford, 7.0 inches in Oregon, 6.0 inches in DeKalb, 6.0 inches at the Weather Service Office in Romeoville, 5.0 inches in Peru, 9.0 inches in Dwight, and 8.0 inches in Watseka.

Numerous accidents were reported in Lee, La Salle, Grundy, Will, and Livingston counties. Two school bus accidents resulted in injuries. Eight children were taken to area hospitals after their bus slid off the road in Wilmington. Nine Streator elementary students had minor injuries in an accident involving their school bus and a semi-trailer. A collision in Dwight between a snowplow and a semi-trailer resulted in two injuries.

Storm Data and Unusual Weather Phenomena

January 2000

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

ILLINOIS, Northwest

ILZ001>002-007-009-015>018-024>026-034>035 **Jo Daviess - Stephenson - Carroll - Whiteside - Rock Island - Henry - Bureau - Putnam - Mercer - Henderson - Warren - Hancock - McDonough**

03	1500CST				0	0			
04	0100CST								Winter Storm

Low pressure over the southern plains intensified and raced northeast along a frontal boundary into East Central Illinois during the evening. The storm system brought a mixture of freezing drizzle, freezing rain, sleet and snow to the region. The depth of the cold air kept much of the precipitation in the form of snow along and north of Highway 34 where amounts ranged from 2 to 4 inches. The heaviest band of snow fell in a swath from Scotland County Missouri northeast through the Quad Cities into Northwest Illinois near Freeport and Sterling-Rock Falls. Further south, the precipitation fell mainly as rain mixed at times with sleet and freezing rain before changing to snow as the precipitation diminished. Snowfall amounts generally ranged from 1 to 2 inches.

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**

17	0800CST				0	0			
	1500CST								Winter Storm

A winter storm moving along the Canadian border brought warm air northward over a shallow layer of cold air over the Middle Mississippi Valley. This created a broad area of light freezing rain, sleet and freezing drizzle over Eastern Iowa, Northeast Missouri and Northwest Illinois. A few snow flurries or patchy light snow mixed with the freezing precipitation at times. Ice accumulations were light and generally less than a tenth of an inch. However, ground temperatures in the middle and upper 20s allowed for a thin layer of ice to form on many road surfaces. Numerous accidents were also reported in Bureau County where a heavy glaze of ice made travel treacherous. The main band of freezing rain fell 20 miles either side of an axis from Muscatine Iowa to Princeton Illinois.

ILZ001>002-007-009-015>018-024>026 **Jo Daviess - Stephenson - Carroll - Whiteside - Rock Island - Henry - Bureau - Putnam - Mercer - Henderson - Warren**

19	1000CST				0	0			
	2300CST								Winter Storm

A strong, fast moving storm system dropped southeast from Western Canada across the Mississippi Valley and brought moderate to heavy snow over much of the region. Snowfall amounts ranged from 4 to 8 inches. Strong north winds gusting to 40 mph produced widespread blowing and drifting of snow, making travel very treacherous. The strong winds also combined with falling temperatures to produce dangerously cold wind chill values of 20 to 30 below zero. Numerous accidents were reported. The snow forced the early closure of many area businesses, shopping malls and schools. Flights were cancelled at the Quad City International Airport.

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**

29	1500CST				0	0			
30	0600CST								Winter Storm

A winter storm produced widespread snow throughout Eastern Iowa, Northwest Illinois and Northeast Missouri. Snowfall amounts generally ranged from 3 to 6 inches. Roads were slick and hazardous with numerous reports of accidents.

ILLINOIS, South

Jackson County

(Mdh)Crbndl/Mrfys
bro

03	0910CST				0	0			
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60 MPH gusts were measured at the Carbondale Airport.

Union County

Jonesboro

03	0915CST				0	0			
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A trained spotter reported nickel-size hail.

Jackson County

2 NE Carbondale to
4 NE Carbondale

03	0918CST				0	0	150K		
	0922CST								Thunderstorm Wind (G100)

Thunderstorm winds estimated over 100 MPH destroyed a brick home and numerous outbuildings. Several homes were partially damaged from fallen trees. The path of this thunderstorm downburst extended into nearby northwest Williamson County near Cambria.

Storm Data and Unusual Weather Phenomena

January 2000

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

ILLINOIS, South

Williamson County

Cambria	03	0922CST 0924CST			0	0	100K	Thunderstorm Wind (G75)
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Thunderstorm winds estimated near 90 MPH severely damaged a wood frame home and partially unroofed several other homes. This thunderstorm downburst originated just northeast of Carbondale in Jackson County, and caused extensive damage in the Cambria area before dissipating.

Johnson County

.5 W Vienna	03	0938CST			0	0	5K	Thunderstorm Wind
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Trees were blown down.

Franklin County

West Frankfort	03	0940CST			0	0		Thunderstorm Wind (G52)
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Tree limbs were down near West Frankfort.

Pope County

Golconda	03	1000CST			0	0	3K	Thunderstorm Wind (G50)
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Tree limbs were blown down.

Pulaski County

Mound City	03	1010CST			0	0		Hail (0.75)
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Massac County

Countywide	03	1100CST			0	0	3K	Thunderstorm Wind (G50)
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Tree limbs were down countywide.

Williamson County

Marion	03	1407CST			0	0	100K	Thunderstorm Wind (G87)
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A thunderstorm microburst caused extensive damage to a machinery company in Marion. A wind gust estimated near 100 MPH damaged roof sections of two buildings. A survey by National Weather Service personnel indicated the damage path was only about 150 feet long. One employee sustained minor back injuries. The main damage area was in the middle of the roof of a warehouse building. A smaller building adjacent to the warehouse had roofing peeled off. The damage area on the roof of the smaller building was roughly 16 by 20 feet and consisted of roofing and steel I beams. The damage to the roof of the larger building was about 30 by 50 feet in area.

Union County

Countywide	03	1415CST 1600CST			0	0		Urban/Sml Stream Fld
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Williamson County

Countywide	03	1415CST 1600CST			0	0		Urban/Sml Stream Fld
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A series of thunderstorm complexes dumped over 4 inches of rain in a 24-hour period. A period of intense rainfall produced rapid rises in creeks and small streams, as well as some urban street flooding in Marion. No flood damage was reported.

Massac County

Countywide	03	1500CST 1700CST			0	0	10K	Flash Flood
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A series of thunderstorms during the early morning hours produced 3 to 5 inches of rain, which saturated the ground. Another round of storms during the late afternoon produced another inch or two in a short time, which triggered flash flooding. North of Metropolis, Weaver Creek rose out of its banks, briefly causing traffic problems as it covered Old Marion Road. Several other local streams overflowed their banks. Flooding made several county roads impassable for a short time. On one county road, a five or six foot culvert was washed away, causing an extended closure. A railroad underpass was closed due to high water.

Johnson County

Countywide	03	1500CST 1700CST			0	0	10K	Flash Flood
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Up to five inches of rain during an eighteen-hour period raised creek levels and closed a number of county roads. Up to seven county roads were closed by rising flood water. A number of other county roads were damaged to varying degrees by erosion.

ILZ075>078-083

Jefferson - Wayne - Edwards - Wabash - White

	17	1600CST 2300CST			0	0		Freezing Rain
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A period of freezing rain during the evening hours produced a light glaze, less than one quarter inch thick. Some icing occurred on roads, mainly on bridges and overpasses.

Storm Data and Unusual Weather Phenomena

January 2000

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

ILZ075>078-080>094			Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac						
	22	0800CST 1600CST			0	0			Snow

Snow began during the morning hours and continued intermittently through the afternoon. Accumulations averaged only an inch or two, but roads still became quick slick. Slick roads may have contributed to a single-car accident in northern Pope County that critically injured a man.

ILLINOIS, Southwest

ILZ064>065-100			Bond - Fayette - Madison						
	17	1200CST 1800CST			0	0			Winter Storm

Light freezing rain that started to fall about Noon put a thin layer of ice on area roads causing hazardous driving conditions. There were numerous accidents reported and quite a few cars in area ditches by Tuesday morning. There were no other major problems reported.

ILZ095>097			Adams - Brown - Pike						
	28	1800CST			0	0			Winter Storm
	30	0400CST							

ILZ058>059-079-098>102			Greene - Macoupin - Randolph - Calhoun - Jersey - Madison - St. Clair - Monroe						
	28	1800CST			0	0			Winter Storm
	29	1800CST							

A steady light snow produced the first significant snow accumulation of the 1999-2000 winter season. Accumulations ranged from 3 to 5 inches.

ILZ060-064>065-069>070-074			Montgomery - Bond - Fayette - Clinton - Marion - Washington						
	28	1800CST			0	0			Winter Storm
	29	2100CST							

A steady light snow produced the first significant snow accumulation of the 1999-2000 winter season. Accumulations ranged from 3 to 5 inches.

INDIANA, Central

Knox County									
Vincennes	03	1150EST 1151EST			0	0			Thunderstorm Wind (G57)

Knox County									
Vincennes	03	1214EST 1215EST			0	0			Thunderstorm Wind (G50)

Jackson County									
1 E Uniontown	03	1810EST 1811EST			0	0			Thunderstorm Wind (G50)

Jennings County									
Paris Crossing	03	1810EST 1811EST			0	0			Thunderstorm Wind (G50)

Numerous trees and some power lines were downed across parts of south central Indiana as separate bow echoes marched through.

INZ021-028>031-035>042-049			Carroll - Warren - Tippecanoe - Clinton - Howard - Fountain - Montgomery - Boone - Tipton - Hamilton - Madison - Delaware - Randolph - Henry						
	19	1500EST			0	0			Heavy Snow
	20	0200EST							

An upper level disturbance with Pacific maritime properties pushed southeast across central Indiana triggering heavy snow north of a Turkey Run State Park to Indianapolis to New Castle line. Snowfall amounts, received mainly from winter weather spotters, law enforcement and media, were mostly in the 6 to 7 inch range. South of the aforementioned line, snow accumulations were from 3 to 5 inches. A strong surface pressure gradient resulted in significant blowing and drifting of snow.

INZ031									
	29	1100EST 2200EST			0	0			Heavy Snow

Winter weather spotters reported 6 inches of snowfall at Sharpsville and Tipton as an upper level pressure system interacted with moist southeast low level flow. Most other spots across central Indiana received 3 to 5 inches.

Storm Data and Unusual Weather Phenomena

January 2000

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

INDIANA, Northeast

INZ003>004-014>015 La Porte - St. Joseph - Marshall - Fulton

20	0100EST			0	0	0	Heavy Snow
21	1600EST						

Storm total snow amounts ranged from 6 to 10 inches across Fulton and Marshall counties with most of it falling from lake effect snow bands on the 20th. Laporte county totals ranged from 6 to 12 inches across the eastern third of Laporte county. A storm total of 12.5 inches of snow fell at the South Bend Airport with 9.3 inches attributed to lake effect.

...Synoptic and mesoscale conditions on the 20th/21st...

The coldest air of the season dropped into the midwest on the 20th behind a vigorous low pressure system which developed across the central plains on the 19th. The system tracked across central Indiana the night of the 19th dropping 4-6 inches of synoptic induced snowfall. As the system pulled east... deep northerly cyclonic flow developed in its wake as very cold air poured into the region. With the northerly fetch down along the long axis of Lake Michigan... a tremendous shore parallel snow band developed in the early morning hours of the 20th. Many locations under this snow band reported snowfall rates of 2 to 3 inches per hour with whiteout conditions. This band broke up by late afternoon on the 20th with the eventual development of multiple and not as intense lake effect snow bands which developed in response to even colder air spilling south out of Canada. General lake effect snowfall ranged from 6 to 10 inches with Baroda Michigan reporting the heaviest amount of 15 inches.

INZ003>004

La Porte - St. Joseph

25	1600EST			0	0	0	Heavy Snow
26	1200EST						

18-20 inches of snow fell in Michigan City and Laporte with most other locations across Laporte county reporting in excess of 1 foot. Many roads were closed due to the heavy snow and whiteout conditions the night of the 25th into the mid morning hours of the 26th. 9 inches of lake effect snow fell at the South Bend Airport with up to 12 inches along the St. Joseph/Laporte county line. Locations east of South Bend reported only an inch.

...Synoptic and mesoscale conditions on the 25th/26th...

A tremendous snowstorm was ongoing along the east coast during this period with a large nearly meridional longwave upper level trough in place across the upper midwest. A clipper type low pressure system rapidly dove southeast out of Alberta Canada early on the 25th spreading a band of light snow across Northern Indiana. Quick on its heels was a 1040 millibar arctic high. This combined with intensifying cold advection and induced thermal troughing along the lake and initial boundary layer wind trajectory of 360 degrees... led once again to a very intense shore parallel snowband to develop along the Lake Michigan shoreline during the late afternoon of the 25th reaching as far south as Lafayette Indiana. This band remained in roughly the same position for 12 hours before shifting westward into Lake and Porter counties the morning of the 26th. Many locations from western Berrien county into Laporte county reported from 14 to 20 inches of snow with the heaviest snowfall occurring in Michigan City and Laporte.

INDIANA, Northwest

INZ002-010>011-019 Porter - Newton - Jasper - Benton

19	1200CST			0	0		Heavy Snow
20	0600CST						

On the afternoon and evening of January 19th and early morning of January 20th, 5 to 8 inches of snow fell across much of northwest Indiana. The snow event was at the eastern most end of a general broad band of heavy snow from central and eastern Iowa, across north and north central Illinois, and into northwest Indiana. The heaviest snow amounts for northwest Indiana fell across extreme northern Porter county and northeastward along Lake Michigan. A second band of heavy snow fell across central and southern Newton County into southern Jasper County. Official snowfall reports: 7.5 inches in Porter, 5.0 inches in Merrillville, 5.0 inches in Valparaiso, 7.0 inches in Morocco, 5.0 inches in Rensselaer and 7.1 inches in Remington.

INZ001>002

Lake - Porter

25	1200CST			0	0		Heavy Snow
26	2100CST						

Lake effect snow began the evening of January 25th and continued for much of the day on January 26th. Arctic air flowing down the length of Lake Michigan resulted in heavy lake effect snow with white out conditions. Snowfall reports from Porter County included 17 inches in Valparaiso and 12 to 14 inches around the Chesterton area. Eight inches of snow fell on the east side of Gary in Lake County.

INDIANA, South Central

Crawford County

English	03	1315EST		0	0		Hail (0.75)
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Crawford County

English	03	1315EST		0	0		Thunderstorm Wind (G50)
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Trees down

Perry County

Leopold	03	1350EST		0	0		Hail (0.75)
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Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	
INDIANA, South Central									
Floyd County									
Countywide	03	1400EST			0	0			Thunderstorm Wind (G50)
			Trees down						
Washington County									
2.5 N Freddricksburg	03	1405EST	0.3	50	0	0	47K		Tornado (F1)
			A tornado touched down in Washington county not far from the Harrison county line. The tornado destroyed 1 mobile home, moved 1 mobile home off its foundation, and caused roof damage to a house and a barn before lifting about a quarter of a mile from when it started.						
Floyd County									
New Albany	03	1415EST			0	0	5K		Thunderstorm Wind (G50)
			Minor structural damage						
Clark County									
Clarksville	03	1429EST			0	0			Hail (1.00)
Crawford County									
Leavenworth	03	1429EST			0	0			Thunderstorm Wind (G50)
			Trees and power lines down						
Clark County									
Jeffersonville	03	1455EST			0	0			Hail (2.50)
			Tennis ball size hail						
Harrison County									
Corydon	03	1530EST			0	0			Thunderstorm Wind (G50)
			Trees down						
Clark County									
Countywide	03	1600EST			0	0			Thunderstorm Wind (G50)
			Numerous trees down						
Scott County									
Austin	03	1600EST			0	0			Thunderstorm Wind (G50)
			Trees down						
Crawford County									
Marengo	03	1630EST 1700EST			0	0			Flash Flood
			Creeks out of banks north of town						
Washington County									
Salem	03	1715EST			0	0			Thunderstorm Wind (G50)
			Trees down						
Clark County									
Countywide	03	1740EST			0	0			Thunderstorm Wind (G50)
			Trees down						
Scott County									
Scottsburg	03	1740EST			0	0			Thunderstorm Wind (G52)
			Spotter estimate of 60 mph winds						
Scott County									
Countywide	03	1750EST 1820EST			0	0			Flash Flood
			Several roads under water						
Perry County									
Tell City	03	1755EST 1900EST			0	0			Flash Flood
			High water across downtown streets						
Perry County									
Tell City	03	1755EST			0	0			Thunderstorm Wind (G50)
			Numerous trees down						

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>INDIANA, South Central</u>									
Dubois County									
Countywide	03	1800EST 1900EST			0	0			Flash Flood
			Water over several roads						
Orange County									
Countywide	03	1800EST 1900EST			0	0			Flash Flood
			Flooding reported countywide						
Floyd County									
Countywide	03	1805EST			0	0			Thunderstorm Wind (G50)
			Numerous trees down						
Harrison County									
Corydon	03	1810EST 1830EST			0	0			Flash Flood
			Several roads washed out						
Harrison County									
Corydon	03	1810EST			0	0	10K		Thunderstorm Wind (G50)
			Several barns destroyed						
Jefferson County									
Countywide	03	1815EST 1845EST			0	0			Flash Flood
			Road flooding countywide						
Jefferson County									
Hanover	03	1815EST			0	0			Thunderstorm Wind (G50)
			Trees down						
Jefferson County									
Countywide	03	1910EST 1940EST			0	0			Flash Flood
			Several roads flooded						
Clark County									
Jeffersonville	03	1915EST 1935EST			0	0			Flash Flood
			Roads flooded in southern Jeffersonville						
Harrison County									
Corydon	03	1915EST 2000EST			0	0			Flash Flood
			Several roads under water						
INZ079									
		Jefferson							
	03	2145EST			0	0			Flood
	04	1630EST							
			Muscatatuck river experienced flooding with a crest of 24.78 feet, which is 4.78 feet above flood stage.						
INZ077									
		Washington							
	04	0330EST 1630EST			0	0			Flood
			Blue River experienced flooding, with a crest of 22.33 feet, which is 2.33 feet above flood stage.						
<u>INDIANA, Southeast</u>									
Ripley County									
Friendship	03	1826EST 1830EST			0	0	2K		Thunderstorm Wind (G50)
			Trees knocked down.						
Dearborn County									
Countywide	03	2030EST 2150EST			0	0	25K		Flood
			Several hours of heavy rainfall caused many roads to be flooded. Some homes were also flooded.						
Ripley County									
Countywide	03	2045EST 2200EST			0	0	10K		Flood
			Heavy rainfall caused numerous roads to be closed across the county. State Route 62 was closed in Friendship.						

Storm Data and Unusual Weather Phenomena

January 2000

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

INDIANA, Southeast

Franklin County

Cedar Grove to New Trenton	03	2100EST 2200EST			0	0	10K	Flood
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Heavy rainfall caused flooding across roads.

Ohio County

Rising Sun	03	2100EST			0	0	100K	Flood
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Heavy rainfall caused Bear Creek Road to be closed. Also, the 4th Street Bridge in Rising Sun was washed out.

Switzerland County

East Enterprise	03	2120EST			0	0	10K	Flood
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Heavy rainfall caused Log Lick road to be closed.

INZ050

Wayne

19		2000EST			0	0		Heavy Snow
20		0500EST						

A low pressure system deposited heavy snow across East-Central Indiana with Wayne county receiving around 5 inches.

INDIANA, Southwest

Vanderburgh County

Evansville	03	1110CST			0	0	2K	Thunderstorm Wind (G50)
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Trees were down.

Posey County

Mt Vernon	03	1150CST			0	0	4K	Thunderstorm Wind
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Three power poles were down at Harbortown. Trees and power lines were down .

Vanderburgh County

Evansville	03	1158CST			0	0	5K	Thunderstorm Wind (G50)
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Trees were down in downtown Evansville.

Vanderburgh County

Evansville	03	1210CST			0	0	100K	Thunderstorm Wind (G65)
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Thunderstorm winds caused extensive damage in a small area, covering approximately a four square block area on the east side of Evansville. About 25 homes were damaged. Most of the damage was due to trees being blown onto roofs. Five homes had to be abandoned due to severe roof damage. Damage to the remainder of the homes was mainly light. A vehicle was damaged by wind-blown fencing. About 30 trees were down.

Pike County

1 NE Cato	03	1220CST			0	0	25K	Thunderstorm Wind
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A house trailer was blown a few feet off its foundation. In the same area, a utility pole was blown over.

Pike County

Countywide	03	1530CST 1700CST			0	0		Flash Flood
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Vanderburgh County

Countywide	03	1530CST 1700CST			0	0		Flash Flood
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A series of thunderstorms with heavy rain dumped up to four inches of rain through midday, which saturated the ground. Another round of storms during the late afternoon produced 1 to 2 inches of rain, which triggered flash flooding. In Vanderburgh County, extensive street flooding was the main problem. In Pike County, there was significant road and highway flooding. In Petersburg, much of Highway 56 was flooded, along with several side streets.

Spencer County

Countywide	03	1810CST 1945CST			0	0	10K	Flash Flood
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An average of 5 to 6 inches of rain fell in a 24-hour period. The most intense rainfall and resultant flooding occurred during the late afternoon and early evening hours. Several vehicles encountered high water and became submerged. Occupants of these vehicles were rescued by fire and rescue personnel. Indiana Route 662 near Newburgh was closed by a mudslide.

Storm Data and Unusual Weather Phenomena

January 2000

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

INDIANA, Southwest

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

17	1600CST 2300CST			0	0				Freezing Rain
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A period of freezing rain during the evening hours produced a light glaze less than one quarter inch thick. Some icing was observed on roads, primarily bridges and overpasses. Ice may have contributed to an accident on the Ohio River bridge linking Evansville with Henderson. The U.S. 41 bridge was closed for over an hour due to the accident.

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

22	0800CST 1600CST			0	0				Snow
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Snow began during the morning hours and continued intermittently through the afternoon. Total accumulations averaged about 2 inches. Roads became very slippery, causing numerous accidents. Indiana State Police reported 28 accidents in southwest Indiana, and 19 of those were on Interstate 64. One of the worst problem areas was in Warrick County, where 12 accidents occurred on Interstate 64. No serious injuries were reported.

IOWA, Central

IAZ004>007-015>017-023>028-036>039-048>050-061>062 Emmet - Kossuth - Winnebago - Worth - Palo Alto - Hancock - Cerro Gordo - Pocahontas - Humboldt - Wright - Franklin - Butler - Bremer - Hamilton - Hardin - Grundy - Black Hawk - Story - Marshall - Tama - Jasper - Poweshiek

19	0700CST 1700CST			0	0	22K			Winter Storm
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A fast moving low pressure system dropped east-southeast out of the Rockies and into the central U.S. The track of the low went from east central Wyoming, through extreme southern Iowa, then into central Illinois. A large pool of warm air moved north ahead of the low, over the top of a shallow layer of cold air at the surface. Initially, precipitation took the form of mixed freezing rain and sleet. The period of icing was brief however as the airmass was quite dry in the lower levels. Evaporational cooling resulted in a quick transition to snow. During the afternoon, an Arctic cold front sank south across the state. This brought gusty northwest winds and sharply colder temperatures. Snowfall was heaviest over the northeast half of Iowa, generally northeast of a Spencer to Iowa City line. Six inch or greater snows fell in these areas. Eight point three inches of snow fell in Mason City, for the highest official total in the County Warning Area. Eight inches was reported in Worth County at Northwood, and also in Cerro Gordo County around the Mason City area. These were among the heavier snowfall totals reported. Most areas received between 6 and 7 inches of snow, with much of it falling in a 3 to 5 hour period. Travel became hazardous quickly as temperatures were in the mid 20s to low 30s during the snowfall. The main problem with the storm was the strong northwest winds as the Arctic cold front moved south across the state in the wake of the low pressure system. Northwest winds of 25 to 35 MPH swept south across the state. Occasional gusts to between 40 and 50 MPH were reported over parts of north central Iowa. The winds caused near blizzard conditions for a two hour period over the northwest Iowa. Blowing snow reduced visibility to near zero in open areas, prompting the Iowa DOT to recommend not travel into northern Iowa for a few hours during the late afternoon. Winds tapered off by early evening and visibilities improved rapidly as the snow stopped.

IOWA, East Central and Southeast

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

03 04	1500CST 0100CST			0	0				Winter Storm
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Low pressure over the southern plains intensified and raced northeast along a frontal boundary into East Central Illinois during the evening. The storm system brought a mixture of freezing drizzle, freezing rain, sleet and snow to the region. The depth of the cold air kept much of the precipitation in the form of snow along and north of Highway 34 where amounts ranged from 2 to 4 inches. The heaviest band of snow fell in a swath from Scotland County Missouri northeast through the Quad Cities into Northwest Illinois near Freeport and Sterling-Rock Falls. Further south, the precipitation fell mainly as rain mixed at times with sleet and freezing rain before changing to snow as the precipitation diminished. Snowfall amounts generally ranged from 1 to 2 inches. Light ice accumulations made for hazardous travel in Linn and Jones counties where numerous accidents were reported. The adverse weather conditions prevented some Jefferson High School Band of Blue members from returning from the Fiesta Bowl. Their United Airlines flights were rerouted and they spent the night in Chicago.

Storm Data and Unusual Weather Phenomena

January 2000

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

KANSAS, East

KSZ009>011

Washington - Marshall - Nemaha

23	1030CST 1630CST			0	0			Winter Storm
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A storm system produced between 2 and 4 inches of snow across the mentioned counties. Roads became slick and resulted in a number of traffic accidents but fortunately there were no serious injuries.

KSZ039

Shawnee

23	1405CST 1500CST			2	2			Winter Storm
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The storm system mentioned in the previous entry resulted in less than a half inch of snow in the Topeka area yet roads became slick and hazardous resulting in two major traffic accidents near the I-70 and I-470 interchange in west Topeka. The first accident occurred shortly after 2pm when a vehicle driven by a woman slid off the roadway when the woman lost control of the car on a slick overpass. The car left the roadway and rolled sideways down a hill ejecting all three occupants and resulted in serious injuries to the woman and her two sons who were passengers in the vehicle. One of the boys died two days later from injuries suffered in the accident. The second accident occurred at 3pm a short distance from the first accident and turned fatal when a truck driven by a 76 year old man slid off the roadway, ejected the male driver and struck a concrete barrier. M76VE, M9VE

KANSAS, Extreme Southeast

NONE REPORTED.

KANSAS, North Central

NONE REPORTED.

KANSAS, Northeast

NONE REPORTED.

KANSAS, Northwest

NONE REPORTED.

KANSAS, Southeast

KSZ047>052-067>068

Barton - Ellsworth - Saline - Rice - Mcpherson - Marion - Reno - Harvey

03	0700CST 1500CST			0	0			Heavy Snow
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From 0700 to 1500 CST, a 40-50 mile wide swath of very heavy, convective snow buried much of central and a small part of south-central Kansas with 6-13 inch snows in only 5-8 hours. The greatest accumulations (10-13 inches) occurred across Barton, Ellsworth, Rice, McPherson and Reno counties. In addition, wind gusts to 47 kts (54 mph) occurred in Great Bend at 0835. To better illustrate the magnitude of the convection, Barton County received as much as 12 inches of snow while northward- neighboring Russell County received only 1-2 inches.

KSZ047-050>051-067>070-082>083-091>096-098>100

Barton - Rice - Mcpherson - Reno - Harvey - Butler - Greenwood - Kingman - Sedgwick - Harper - Sumner - Cowley - Elk - Wilson - Neosho - Chautauqua - Montgomery - Labette

27	1044CST			0	0			Heavy Snow
28	1200CST							

A slow-moving winter storm produced widespread 6-8 inch snowfalls across most of central, south-central and southeast Kansas from the morning of the 27th thru midday on the 28th. Reports were also received from amateur radio operators, law enforcement and emergency managers.

KANSAS, Southwest

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

03	0600CST 1600CST			0	0			Heavy Snow
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Snow fell across the entire CWA with all locations receiving at least 3 inches. In a narrow band about 25 miles wide...much heavier snow fell. Southeast Rush, all of Pawnee, all of Stafford, northeast Hodgeman and southeast Ness received 6 or more inches of snow. More than a foot fell in a 5 to 10 mile wide band along northern Pawnee county with a 15 inch maximum reported in northeast Pawnee county.

Storm Data and Unusual Weather Phenomena

January 2000

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

KANSAS, Southwest

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	0000CST				0	0			Heavy Snow
	1400CST								

Heavy snow fell across the entire CWA with 6 to 7 inches in Stafford, 6 inches in Pratt, 7.5 inches in Barber, 6.5 inches in Kiowa and 7 inches in Comanche. An isolated area of convective snow produced 6 to 11 inches in a ten mile wide area along the Finney and Haskell county line.

KENTUCKY, Central

Oldham County

Countywide	03	1400EST			0	0			Flash Flood
		1500EST							

Street flooding

Meade County

5 N Brandenburg	03	1415EST			0	0			Thunderstorm Wind (G50)
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Trees down

Trimble County

Bedford	03	1415EST			0	0			Thunderstorm Wind (G50)
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Trees down

Jefferson County

Louisville	03	1435EST			0	0			Thunderstorm Wind (G50)
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Trees down in Shawnee Park

Oldham County

Buckner	03	1500EST			0	0			Hail (1.00)
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Oldham County

Countywide	03	1500EST			0	0			Thunderstorm Wind (G50)
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Utility poles and power lines down at many places across county

Henry County

Campbellsburg	03	1505EST			0	0			Thunderstorm Wind (G50)
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Trees down

Hancock County

Central Portion	03	1730EST			0	0			Thunderstorm Wind (G50)
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Trees and power lines down

Breckinridge County

Countywide	03	1745EST			0	0			Thunderstorm Wind (G50)
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Trees down

Breckinridge County

8 W Hardinsburg	03	1745EST			0	0	1K		Thunderstorm Wind (G50)
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Windows blown out of a house

Trimble County

Countywide	03	1810EST			0	0			Thunderstorm Wind (G50)
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Trees down

Meade County

Brandenburg	03	1830EST			0	0			Flash Flood
		1850EST							

Several roads flooded

Jefferson County

Louisville	03	1840EST			0	0			Hail (1.25)
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Breckinridge County

Countywide	03	1915EST			0	0			Flash Flood
		2000EST							

Several roads washed out

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>KENTUCKY, Central</u>									
Meade County									
Flaherty	03	1920EST 1925EST			0	0			Thunderstorm Wind (G50)
		Trees down							
Bullitt County									
Brooks	03	1925EST			0	0			Thunderstorm Wind (G50)
		Trees down							
Hardin County									
Elizabeth Town	03	1925EST			0	0			Thunderstorm Wind (G50)
		Trees down							
Jefferson County									
Countywide	03	1930EST 2345EST			0	0			Flash Flood
		Multiple thunderstorms dropped heavy rain across the county, with at least 36 roads under water, some with water over 2 feet deep							
Oldham County									
Countywide	03	1930EST 2345EST			0	0			Flash Flood
		Multiple thunderstorms dropped heavy rain across the county. Several roads were under water							
Jefferson County									
Jeffersontown	03	1940EST			0	0			Thunderstorm Wind (G50)
		Very large limbs down onto house							
Bullitt County									
Countywide	03	1945EST			0	0			Thunderstorm Wind (G50)
		Trees down							
Henry County									
New Castle	03	2000EST			0	0			Thunderstorm Wind (G50)
		Trees and power lines down							
Ohio County									
Countywide	03	2000EST			0	0			Thunderstorm Wind (G50)
		Trees and power lines down							
Bullitt County									
Countywide	03	2010EST 2300EST			0	0			Flash Flood
		Several roads under water							
Grayson County									
Countywide	03	2010EST			0	0			Thunderstorm Wind (G50)
		Trees down							
Hardin County									
Countywide	03	2010EST 2300EST			0	0			Flash Flood
		Several roads under water							
Shelby County									
Countywide	03	2010EST			0	0			Thunderstorm Wind (G50)
		Trees down							
Butler County									
Countywide	03	2020EST			0	0			Thunderstorm Wind (G50)
		Trees down							
Shelby County									
Countywide	03	2115EST 2300EST			0	0			Flash Flood
		Several roads under water							
Spencer County									
Countywide	03	2115EST 2300EST			0	0			Flash Flood
		Several roads under water							
Larue County									
Countywide	03	2140EST			0	0			Thunderstorm Wind (G50)
		Power lines down and some highway signs blown down							

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>KENTUCKY, Central</u>									
Simpson County									
Countywide	03	2150EST			0	0			Thunderstorm Wind (G50)
			Power lines down						
Nelson County									
Countywide	03	2200EST			0	0			Thunderstorm Wind (G50)
			Trees down						
Allen County									
Countywide	03	2215EST			0	0			Thunderstorm Wind (G50)
			Trees down						
Barren County									
Countywide	03	2215EST			0	0			Thunderstorm Wind (G50)
			Trees down, especially across southern sections of the county						
Metcalf County									
5 NW Edmonton	03	2230EST			0	0	1K		Thunderstorm Wind (G50)
			Windows blown out of a house						
Taylor County									
Countywide	03	2235EST			0	0			Thunderstorm Wind (G50)
			Trees and power lines down						
Green County									
Countywide	03	2245EST			0	0			Thunderstorm Wind (G50)
			Trees down						
Monroe County									
Countywide	03	2245EST			0	0			Thunderstorm Wind (G50)
			Trees down						
Clinton County									
5 NE Albany	03	2330EST			0	0			Thunderstorm Wind (G50)
			Trees down						
Russell County									
Jamestown	03	2330EST			0	0			Thunderstorm Wind (G50)
			Trees down						
<u>KENTUCKY, Eastern</u>									
KYZ068 Rockcastle									
	03	1950EST			0	0	0	0	High Wind (G58)
			Strong winds brought trees down across Scaffold Cane Road in the Northeast part of the county.						
KYZ050 Montgomery									
	03	2010EST			0	0	1K	0	High Wind (G60)
			Strong winds damaged siding on homes and brought trees down in Camargo.						
Fleming County									
Ewing	03	2055EST			0	0	0	0	Thunderstorm Wind (G58)
KYZ085 Whitley									
	03	2100EST			0	0	0	0	High Wind (G58)
			Trees and power lines were brought down by strong winds.						
KYZ087 Bell									
	03	2130EST			0	0	0	0	High Wind (G58)
			Trees and power lines downed by strong winds.						
KYZ080 Laurel									
	03	2145EST			0	0	0	0	High Wind (G58)
			High winds brought trees down in the Bush area on East 80.						
KYZ114 Owsley									
	03	2200EST			0	0	0	0	High Wind (G60)
Powell County									
Slade	04	0030EST			0	0	0	0	Thunderstorm Wind (G58)
			Trees were blown down by strong winds blocking state and county roads across the eastern side of the county.						

Storm Data and Unusual Weather Phenomena

January 2000

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

KENTUCKY, Eastern

KYZ050>051-058>060-069-088-104-106>120 **Montgomery - Bath - Estill - Powell - Menifee - Jackson - Harlan - Elliott - Morgan - Johnson - Wolfe - Magoffin - Floyd - Lee - Breathitt - Knott - Owsley - Perry - Clay - Leslie - Letcher - Martin - Pike**

17	2100EST			0	0	0	0	Winter Storm
18	0030EST							

Heavy snow fell across a large portion of Eastern Kentucky. Totals ranged from 2 to 5 inches. In addition to these snowfall amounts...freezing rain and sleet were also reported which produced a crust of ice on top of the snow.

KYZ088-118 **Harlan - Letcher**

19	1930EST			0	0	0	0	Heavy Snow
20	0200EST							

Heavy snow accumulated between 4 and 6 inches.

KYZ069-080-083-085>088-114>117 **Jackson - Laurel - Wayne - Whitley - Knox - Bell - Harlan - Owsley - Perry - Clay - Leslie**

22	1300EST			0	0	0	0	Winter Storm
	2030EST							

A mixture of snow and freezing rain fell across portions of Eastern Kentucky. Snowfall totals ranged from 3 to 5 inches.

KYZ087>088-118 **Bell - Harlan - Letcher**

25	2030EST			0	0	0	0	Heavy Snow
26	0230EST							

Snowfall totaled between 4 and 6 inches across the mountains of Southeastern Kentucky.

KYZ084-108-111 **McCreary - Wolfe - Lee**

29	0930EST			0	0	0	0	Winter Storm
	1800EST							

Freezing rain and light snow fell across most of Eastern Kentucky. In McCreary, Lee and Wolfe counties ice accumulated to one quarter of an inch on tree limbs and power lines. Some power fluctuations were reported in these areas.

KENTUCKY, Northeast

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

02	1200EST			0	0			Record Warmth
04	0800EST							

Afternoon temperatures rose into the upper 60s to lower 70s on the 2nd and the 3rd. Ashland was 73 degrees on the 2nd, while Grayson was 72 degrees. The overnight minimum readings remained in the lower 50s during the night of the 3rd into the 4th.

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

11	0400EST			0	0			Wind
	0800EST							

A few rain showers, along a secondary cold front, helped transfer wind gusts of 40 to 50 mph to the surface.

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

28	0300EST			0	0			Extreme Cold
	0900EST							

Dawn temperatures were mostly in the zero to minus 5 range. For example, Grayson had 4 below zero.

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

29	1700EST			0	0			Winter Storm
	2300EST							

Ice accumulated to a thickness of a quarter to a half inch from freezing rain. The ice accumulated more on the cold ground than on power lines and tree branches. The air temperature was around 30 degrees. The liquid rain amounts were mostly .2 to .4 of an inch.

KENTUCKY, Northern

Owen County

New Liberty	03	1525EST		0	0	3K	Thunderstorm Wind (G50)
		1530EST					

Trees and large limbs knocked down.

Grant County

Dry Ridge	03	1531EST		0	0	3K	Thunderstorm Wind (G50)
		1535EST					

Trees and large limbs downed.

Storm Data and Unusual Weather Phenomena

January 2000

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

KENTUCKY, Northern

Pendleton County

De Mossville	03	1540EST 1545EST			0	0	200K	Thunderstorm Wind (G78)
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A weakening supercell tracked from near Louisville across Owen and Grant counties before collapsing over Pendleton county. The storm left a 3 mile long path of damage which ranged from 25 feet to nearly 100 yards wide. Two homes received significant damage and a barn was completely destroyed. Within the path of the storm, numerous trees and limbs were downed. Most of the damage was estimated to occur from 60 to 75 mph winds with gusts as high as 90 mph.

Carroll County

Carrollton	03	1850EST 1855EST			0	0	3K	Thunderstorm Wind (G50)
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Trees knocked down and a barn roof damaged.

Boone County

Countywide	03	1900EST 2150EST			0	0	10K	Flood
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Heavy rainfall caused roads to flood across the county. Also, several homes were flooded.

Campbell County

Countywide	03	1900EST 2150EST			0	0	10K	Flood
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Roads were flooded by heavy rainfall.

Owen County

Countywide	03	2000EST 2250EST			0	0	10K	Flood
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Persistent heavy rainfall caused State Route 355 to be closed due to high water.

Gallatin County

Countywide	03	2100EST 2235EST			0	0	25K	Flood
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Several hours of heavy rainfall caused numerous road closings across the county.

Kenton County

Independence	03	2100EST 2200EST			0	0	10K	Flood
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Several inches of rainfall occurred within 24 hours causing flooding across the county. Numerous roads were closed and Banklick Creek overflowed its banks, which flooded Pioneer Park.

Carroll County

Countywide	03	2140EST 2300EST			0	0	50K	Flood
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Persistent heavy rainfall caused 9 roads to be closed across the county. Also, a few evacuations became necessary as the water rose.

Grant County

Dowingsville	03	2145EST 2300EST			0	0	10K	Flood
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Heavy rainfall caused several intersections to be closed.

Pendleton County

Butler	03	2200EST 2300EST			0	0	50K	Flood
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Persistent heavy rainfall caused creeks and streams to rise out of their banks. Five bridges were submerged by the water.

KYZ099>100

Mason - Lewis

	29	1400EST 2200EST			0	0		Winter Storm
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A fast-moving winter storm brought freezing rain and sleet to northeastern Kentucky with 1 to 2 inches of ice accumulation occurring.

KENTUCKY, Southwest

Ballard County

Countywide	02	2200CST			0	0		Urban/Sml Stream Fld
	03	0400CST						

Carlisle County

Countywide	02	2200CST			0	0		Urban/Sml Stream Fld
	03	0400CST						

Storm Data and Unusual Weather Phenomena

January 2000

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

KENTUCKY, Southwest

Hickman County

Countywide	02	2200CST			0	0			Urban/Sml Stream Fld
	03	0400CST							

Repeated episodes of heavy rain from thunderstorms dumped up to 5 inches from late evening into the early morning hours. The report of 5 inches was from the Cunningham area of Carlisle County. Due to the ongoing drought, there were no major flooding problems, although water rose over several spots on low-lying roads such as Kentucky 307.

Mccracken County

Barkley Arpt to 3 S Paducah	03	0130CST 0530CST			0	1	10K		Flash Flood
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Repeated episodes of heavy rain from thunderstorms dumped up to an inch per hour during the pre-dawn hours. At the Paducah National Weather Service office, close to 4 inches of rain fell in about 4 hours. Creeks and streams rose very rapidly over their banks. In southern McCracken County, a vehicle caught in creek floodwaters was swept off the road. The driver was rescued from the creek by someone in the neighborhood. Flash flooding of Cross Creek, which runs through the city of Paducah, damaged fences and yards. A number of homes in Paducah were flooded, mainly in poor drainage areas.

Ballard County

5 E Wickliffe	03	1100CST			0	0			Hail (1.00)
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Union County

Morganfield	03	1115CST 1145CST			0	0			Urban/Sml Stream Fld
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Some ponding of water occurred on roadways. One road was impassable.

Henderson County

3 E Cairo to Henderson	03	1145CST			0	0	5K		Thunderstorm Wind (G52)
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Trees were blown down. Just east of Cairo, a house sustained minor to moderate roof damage.

Ballard County

Countywide	03	1445CST 1645CST			0	0	800K		Flash Flood
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Carlisle County

Countywide	03	1445CST 1645CST			0	0	400K		Flash Flood
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Mccracken County

Countywide	03	1500CST 1700CST			0	0	50K		Flash Flood
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Livingston County

Countywide	03	1515CST 1715CST			0	0	90K		Flash Flood
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Thunderstorms during the early morning hours produced 3 to 5 inches of rain, which saturated the ground. Another round of storms arrived during the late afternoon, producing another inch or two of rain in an hour. These heavy rainfall rates, up to 1.3 inches in 15 minutes in Carlisle County, triggered flash flooding. Road and bridge damage was significant. Two bridges were washed out in Ballard County, including one over Kentucky 358. In the Lovelaceville area of Ballard County, a creek overflowed, threatening homes and prompting the closure of U.S. Highway 62. In Carlisle County, where seven to eight roads were closed at one point, most of the damage was to bridge pilings and bridge approaches. In McCracken County, numerous water rescues were performed by emergency services personnel. Vehicles were stranded in floodwaters at a K-Mart parking lot in Lone Oak, just southwest of Paducah. Damage in Livingston County was relatively minor and confined mainly to rural county roads. A few residences in the aforementioned counties had basement flooding.

Livingston County

Smithland	03	1455CST			0	0	5K		Thunderstorm Wind
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About 8 telephone poles were blown over. Shingles and tin roofs were blown off.

Crittenden County

Crayne to 5 NE Shadey Grove	03	1508CST 1523CST	15	440	0	3	5M		Tornado (F3)
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Although the tornado tracked about 15 miles through the county with estimated top winds of 160 MPH, damage was relatively light due to the rural nature of the land. Based on aerial surveys, structures that were heavily damaged or destroyed included 85 homes, 5 to 10 businesses, and 50 to 80 barns and outbuildings. Three people in the Crayne area were transported to a hospital for non life-threatening injuries. About 35 National Guard personnel were deployed to Crittenden County, primarily for damage assessment and security operations. An emergency shelter was opened to accommodate roughly 25 homeless persons.

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>KENTUCKY, Southwest</u>									
Webster County									
3 SW Diamond to 6 NE Diamond	03	1523CST 1532CST	9	440	0	0	2.4M		Tornado (F3)
The tornado caused extensive damage in the community of Diamond. Both Crittenden and Webster Counties were declared federal disaster areas.									
Fulton County									
Hickman to Crutchfield	03	1515CST 1530CST			0	0	50K		Hail (1.00)
Wind-driven hail as large as nickels damaged numerous vehicles and windows in Hickman. Quarter size hail fell in Crutchfield.									
Fulton County									
Hickman	03	1515CST			0	0	50K		Thunderstorm Wind
Thunderstorm winds produced roof damage. Windows were blown out and trees were down.									
Hickman County									
Clinton	03	1525CST			0	0	2K		Thunderstorm Wind (G50)
Trees were down.									
Fulton County									
Countywide	03	1540CST 1715CST			0	0			Flash Flood
Hickman County									
Countywide	03	1540CST 1715CST			0	0			Flash Flood
Thunderstorms with very heavy rain produced 1 to 2 inches per hour on ground that was already saturated from heavy rain earlier in the day. Flash flooding of creeks and roads quickly followed. Water was over several roads around Hickman. State police reported widespread road flooding, with some spots impassable.									
Graves County									
1 SSE Mayfield	03	1547CST			0	0			Hail (2.75)
Baseball size hail was reported by emergency management officials.									
Marshall County									
2 S Draffenville	03	1600CST 1630CST			0	0			Urban/Sml Stream fld
An off-duty weather service employee reported U.S. Highway 641 was down to one lane due to water over the road.									
Daviess County									
Rome to Owensboro	03	1606CST 1612CST	7	880	0	18	64M		Tornado (F3)
The tornado first touched down near the community of Rome, just southwest of Owensboro, and entered the city near the southern boundary of Owensboro Airport. The tornado tracked northeast through the heart of Owensboro before dissipating on the east side of town. Peak winds were estimated at 180 MPH. Since the tornado path was mostly through densely populated residential and commercial areas, damage was in the tens of millions, but injuries were surprisingly few. Of the 18 injuries, one was critical, and the rest were relatively minor. The critically injured person was in a home near the beginning of the damage path. This person sustained broken vertebrae and numerous cuts and bruises. Owensboro landmarks heavily damaged by the tornado included Apollo High School, Kentucky Wesleyan College, and the Winn-Dixie Store. Damage to the 12 buildings at Kentucky Wesleyan College was estimated to be near 5 million dollars. Small to mid size automobiles were tossed about by the wind. Damage to utility lines was extensive, and repairs took about 10 days to complete. Final damage tallies showed about 1200 homes and businesses sustained damage. Of those 1200 structures, 101 were totally destroyed and 573 sustained major damage. Owensboro was declared a federal disaster area. An emergency shelter accomodated roughly 150 persons, including many from local nursing homes. Owensboro schools were closed for a week.									
Caldwell County									
Countywide	03	1710CST 1915CST			0	0	5K		Flash Flood
Crittenden County									
Countywide	03	1710CST 1900CST			0	0	30K		Flash Flood
Daviess County									
Countywide	03	1720CST 1900CST			0	0	100K		Flash Flood
Hopkins County									
Countywide	03	1720CST 1915CST			0	0	400K		Flash Flood

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>KENTUCKY, Southwest</u>									
Mclean County									
Countywide	03	1720CST 1930CST			0	0	15K		Flash Flood
Webster County									
Countywide	03	1720CST 1930CST			0	0	20K		Flash Flood
Henderson County									
Countywide	03	1800CST 1945CST			0	0	10K		Flash Flood
Lyon County									
Countywide	03	1815CST 1945CST			0	0	3K		Flash Flood
Muhlenberg County									
Countywide	03	1815CST 1950CST			0	0	5K		Flash Flood
Calloway County									
Countywide	03	1820CST 1955CST			0	0	5K		Flash Flood
<p>A slow-moving band of thunderstorms with torrential downpours affected most of the Pennyriple region of West Kentucky. Storms earlier in the day had already saturated the ground, and this additional rain brought rainfall totals up to 5.66 inches at Princeton, 4.94 inches at Owensboro, and 5.47 inches at Marion. Many creeks and streams rose out of their banks. Many road closures were required due to washouts, especially in Crittenden, Webster, Daviess, and Mclean Counties. In Calloway County, Bee Creek flooded fields, including a soccer field. In Daviess County, about 50 homes on the southwest side of Owensboro were threatened or directly affected by flooding. Road closures in Daviess County included U.S. 431 and Kentucky Routes 2707, 2698, 2699, 661, and 81. In Mclean County, flooding was reported on Kentucky Routes 256, 797, and 136. Water was also over U.S. 431 at Island. Occurrences of road flooding were less numerous in Lyon and Caldwell Counties. In Hopkins County, between one quarter and one half million dollars damage was caused by road washouts. A Hopkins County school was flooded. In Henderson County, two homes just east and southeast of Cairo sustained flood damage.</p>									
Muhlenberg County									
Drakesboro	03	1725CST			0	0	4K		Thunderstorm Wind (G52)
Several trees were down.									
Hopkins County									
Madisonville	03	1730CST			0	0	3K		Thunderstorm Wind (G50)
Trees were down.									
Calloway County									
Murray	03	1740CST			0	0	8K		Thunderstorm Wind (G52)
Tree limbs and power lines were down. Minor roof damage was reported.									
Trigg County									
Cadiz	03	1745CST			0	0	5K		Thunderstorm Wind (G52)
Nine or ten trees were down.									
KYZ019 Daviess									
	03	2100CST			0	0			Flood
	04	0230CST							
Very heavy rain from thunderstorms during the previous 12 hours pushed Panther Creek out of its banks.									
KYZ018>019 Henderson - Daviess									
	17	1600CST 2300CST			0	0			Freezing Rain
A period of freezing rain during the evening hours produced a light glaze, measuring less than a quarter inch thick. There was some icing of roads, mainly on bridges and overpasses. Ice may have contributed to an accident on the U.S. 41 bridge over the Ohio River. The bridge was closed for over an hour.									
KYZ001>002-006-009-012-017-022 Fulton - Hickman - Graves - Calloway - Trigg - Christian - Todd									
	22	0400CST 1100CST			0	0			Heavy Snow
Snow began falling shortly before sunrise and ended before noon. The snow fell heavily at times, with snowfall rates between 1 and 2 inches per hour. Total accumulations were 4 to 5 inches from Fulton and Hickman Counties east along the Tennessee border to Trigg, Christian and Todd Counties. Roads quickly became snow covered and slippery. There were a number of accidents, including some									

Storm Data and Unusual Weather Phenomena

January 2000

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

LOUISIANA, Southeast

St. Tammany Parish

5 N Lacombe	09	2207CST			0	0	0.25K	Thunderstorm Wind
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Several trees were blown down along Interstate 12.

Jefferson Parish

Metairie	23	2255CST			0	0	65M	Hail (1.00)
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Jefferson Parish

Metairie	23	2258CST			0	0		Hail (1.75)
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Orleans Parish

New Orleans	23	2303CST			0	0		Hail (0.75)
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Orleans Parish

Algiers	23	2312CST			0	0		Hail (1.00)
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St. Bernard Parish

Chalmette	23	2318CST			0	0		Hail (1.75)
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An intense thunderstorm produced a long swath of destructive hail extending from Metairie in northern Jefferson Parish southeast across much of New Orleans in Orleans Parish to Chalmette in St. Bernard Parish. The hail ranged in size from dimes to golfballs and covered the ground in many locations. The rare hailstorm caused widespread damage to roofs, windows, and vehicles resulting in nearly 25,000 auto and home insurance claims that were estimated to cost \$65 million.

LOUISIANA, Southwest

LAZ042

Jefferson Davis

10	0750CST				0	1	15K	Fog
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In Jennings, an elderly man ran a stop light in dense fog, and hit another car in the intersection. The 39 year old woman in the other car was treated and released from the hospital.

MAINE, North

MEZ001>002

Northwest Aroostook - Northeast Aroostook

04	0600EST				0	0		Ice Storm
	2300EST							

Low pressure tracking through the St. Lawrence River Valley brought mixed precipitation to extreme northern Maine. After several inches of snow...precipitation changed to sleet and freezing rain during the afternoon. Ice accumulations of 1/4 to 1/2 inch were reported across the region. The greatest ice accumulations were reported across the St. John River Valley from Fort Kent...to Madawaska...to St. Francis.

MEZ001>002-004-016>017-029>030

Northwest Aroostook - Northeast Aroostook - Northern Piscataquis - Interior Hancock - Interior Washington - Coastal Hancock - Coastal Washington

10	2200EST				0	0		Winter Storm
11	0800EST							

A rapidly intensifying coastal low which originated across the Mid-Atlantic region quickly lifted northeastward across Maine during the early morning hours of the 11th. The storm produced wind gusts to around 80 mph offshore of the Maine coast...with a gust of 83 mph reported at Mount Desert Rock and a gust of 78 mph at Matinicus Rock. Wind gusts along the immediate Downeast coast ranged from 40 to 60 mph at times...with Bar Harbor reporting a wind gust of 43 mph.

Several fishing vessels were torn loose from their moorings and driven aground by the winds at Stonington and Jonesport...with one fishing vessel capsized at Eastport. Tree limbs were also snapped off with reports of scattered power outages across Downeast areas attributed to the winds.

The heaviest snow was reported across northern portions of the state and the northwest mountains where 6 to 8 inches of snow fell from Baxter State Park...to Allagash...to Fort Kent. Lesser accumulations of 4 to 6 inches were reported across central portions of the region.

MEZ001>002-004>006-010>011-015>017-029>030

Northwest Aroostook - Northeast Aroostook - Northern Piscataquis - Northern Penobscot - Southeast Aroostook - Southern Piscataquis - Central Penobscot - Southern Penobscot - Interior Hancock - Interior Washington - Coastal Hancock - Coastal Washington

14	0400EST				0	0		Extreme Windchill
15	0800EST							

The coldest air of the winter season to date overspread the region and was accompanied by sustained winds of 20 to 30 mph...with higher gusts. The combination of winds and sub-zero temperatures produced frequent wind chills of 40 to 60 below zero...with occasionally colder readings.

Storm Data and Unusual Weather Phenomena

January 2000

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

MEZ001>002-004>006-010>011-015>017-029>030

Northwest Aroostook - Northeast Aroostook - Northern Piscataquis - Northern Penobscot - Southeast Aroostook - Southern Piscataquis - Central Penobscot - Southern Penobscot - Interior Hancock - Interior Washington - Coastal Hancock - Coastal Washington

16	0900EST								
17	0700EST			0	0				Winter Storm

Low pressure tracking eastward across Quebec Province merged with a developing low along the Maine coast during the morning of the 16th...spreading heavy snow across the region. The coastal low continued to intensify as it tracked toward Nova Scotia during the early morning hours of the 17th.

The heaviest snows fell across Downeast areas where 15 to 20 inches of accumulation were common with up to 21 inches reported at Orono and 23 inches at Dennysville. Snowfall totals tapered off further north with 8 to 12 inches of accumulation reported across northern Maine.

Strong winds in the wake of the low caused widespread blowing and drifting producing drifts several feet deep in many locations.

MEZ015>017-029>030

Southern Penobscot - Interior Hancock - Interior Washington - Coastal Hancock - Coastal Washington

19	0100EST								
	1600EST			0	0				Winter Storm

Low pressure developing along the southern New England coast tracked just east of the Gulf of Maine. The northern edge of the precipitation shield brought heavy snow to portions of Downeast Maine. Snowfall totals of 7 to 11 inches were common across the region...with the highest totals occurring near the Downeast coast.

MEZ002-006-016>017-029>030

Northeast Aroostook - Southeast Aroostook - Interior Hancock - Interior Washington - Coastal Hancock - Coastal Washington

21	0600EST								
22	0400EST			0	0				Blizzard

A rapidly intensifying low tracked along the Atlantic coast...passing east of the Gulf of Maine...toward Nova Scotia and the Gulf of St. Lawrence. Heavy snow wrapped back across eastern Maine around the low. At the same time...winds rapidly increased to sustained speeds of 25 to 35 mph with frequent gusts in excess of 40 mph.

The strong winds produced widespread blowing and drifting with visibilities frequently reduced to near zero in blizzard conditions. Snowfall totals of 6 to 10 inches were common across Washington...Hancock and eastern portions of Aroostook county. Drifts several feet deep were common across the region.

The winds also contributed to wind chills of 40 to 60 below zero at times.

MEZ001>002-004>006-010>011-015

Northwest Aroostook - Northeast Aroostook - Northern Piscataquis - Northern Penobscot - Southeast Aroostook - Southern Piscataquis - Central Penobscot - Southern Penobscot

25	1400EST								
26	0800EST			0	0				Winter Storm

Low pressure lifting northward across Maine spread heavy snow across northern portions and the northwest mountains of the region where 6 to 10 inches of snow accumulated.

MEZ001>002-004>006-010>011

Northwest Aroostook - Northeast Aroostook - Northern Piscataquis - Northern Penobscot - Southeast Aroostook - Southern Piscataquis - Central Penobscot

31	0400EST								
	2300EST			0	0				Winter Storm

Low pressure tracking through Maine toward the Gulf of St. Lawrence brought heavy snows to northern portions and the northwest mountains of the state. Total snow accumulations generally ranged from 6 to 10 inches...with up to 12 inches reported across the northwest mountains.

MAINE, South

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

04	0000EST								
	1400EST			0	0				Mixed Precipitation

Low pressure moving northeastward across the Great Lakes brought a mixture of precipitation to the state. One to three inches of snow fell in the foothills and mountains of Maine before the precipitation changed to sleet and freezing rain. The remainder of western and central Maine received only sleet and freezing rain before temperatures warmed above freezing and the precipitation changed to rain.

Storm Data and Unusual Weather Phenomena

January 2000

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

MAINE, South

MEZ024>028

Coastal Cumberland - Sagadahoc - Lincoln - Knox - Coastal Waldo

10	1800EST				0	0			Strong Winds
	2300EST								

Strong southeast winds developed across coastal sections of western and central Maine as low pressure intensified very rapidly over southern New England. The strong and gusty winds downed trees and limbs onto power lines causing isolated power outages in an area near South Bristol. Approximately 900 customers were affected. The peak wind gusts observed at stations along the coast included 45 mph (measured) at Rockland, 43 mph (measured) at Portland, and 40 mph (measured) at Wiscasset.

MEZ007>009

Northern Oxford - Northern Franklin - Central Somerset

10	1900EST				0	0			Heavy Snow
	0100EST								

Snow developed over the mountains of Maine as a low pressure system intensified very rapidly over southern New England and moved rapidly northeastward. About 3 to 7 inches of snow accumulated across the western mountains. South of the mountains, the precipitation fell mainly in the form of rain.

**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

13	2100EST				0	0			Extreme Windchill Temperatures
	0900EST								

Strong winds ushered in cold air as an intense area of low pressure moved east of New England and high pressure built southeastward from southern Canada. The combination of the wind and cold air produced extreme wind chill temperatures across the state. Wind chill temperatures dipped to between -30 and -45 across the state.

**MEZ007>009-
012>014-019>022-
024>028**

Northern Oxford - Northern Franklin - Central Somerset - Southern Oxford - Southern Franklin - Southern Somerset - Interior Cumberland - Androscoggin - Kennebec - Interior Waldo - Coastal Cumberland - Sagadahoc - Lincoln - Knox - Coastal Waldo

16	0500EST				0	0			Heavy Snow
	1500EST								

MEZ018-023

Interior York - Coastal York

16	0500EST				0	0			Moderate Snowfall
	1500EST								

Low pressure moving eastward from southern Quebec moved into the Gulf of Maine and intensified rapidly bringing the first major winter storm of the season to much of northern New England. Snowfall amounts in western and central Maine ranged from 5 to 10 inches in the mountains and 4 to 8 inches across the remainder of the area, except in York County where 3 to 6 inches of snow fell.

**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

16	1800EST				0	0			Strong Winds
	1800EST								

Strong and gusty northwest winds developed over the state as low pressure intensified rapidly near Nova Scotia. The winds downed trees and limbs onto power lines causing scattered power outages. Approximately 4000 customers were affected. Peak wind gusts were 51 mph (measured) at Augusta, and 47 mph (measured) at Portland.

**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

17	0000EST				0	0			Extreme Windchill Temperatures
	0900EST								

Low pressure moving eastward from southern Quebec intensified near Nova Scotia, then slowly moved northeastward as high pressure moved eastward from south-central Canada. The pressure gradient between the low and high caused strong, northerly winds to develop over the area bringing in cold air from Canada. The combination of the wind and cold air produced extreme wind chill temperatures across the state. Wind chill temperatures dipped to between -30 and -50 across much of the western and central part of the state.

**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

21	0700EST				0	0			Strong Winds
	1600EST								

Strong, gusty, northwest winds developed over northern New England as a storm intensified rapidly in the Gulf of Maine. Although the strong winds persisted for an extended period of time, no damages were reported. Peak wind gusts were 40 mph (measured) at Augusta and 39 mph (measured) at Portland.

Storm Data and Unusual Weather Phenomena

January 2000

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

MAINE, South

MEZ023>028

Coastal York - Coastal Cumberland - Sagadahoc - Lincoln - Knox - Coastal Waldo

21	0945EST			0	0		Coastal Flooding
	1115EST						

Minor coastal flooding occurred along the southwestern and mid-coast sections of Maine as a storm tide combined with an astronomically high tide to push water levels to about a foot above normal. In Portland, the tide reached about a half foot over the 12 ft. flood level. The surge was caused by an intensifying storm in the Gulf of Maine.

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

21	1000EST			0	0		Extreme Windchill Temperatures
	2300EST						

Low pressure in the Gulf of Maine intensified rapidly as it moved slowly northward through the Canadian Maritimes. The pressure gradient between the low and a ridge of high pressure over the central and eastern U.S. caused strong, northerly winds to develop over northern New England, bringing in cold air from Canada. The combination of the wind and cold temperatures produced extreme wind chill temperatures across the state. Wind chill temperatures dipped to between -35 and -50 across much of the western and central part of the state.

MEZ007>009-012>014-018>026

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

25	1000EST			0	0		Heavy Snow
	0800EST						

MEZ027>028

Knox - Coastal Waldo

25	1000EST			0	0		Moderate Snowfall
	0800EST						

A low pressure center intensified just off the Carolina coast on the morning of the 25th, then moved northeastward to just off the southern Maine coast by the morning of the 26th. The storm brought heavy snow into most of northern New England with the snow changing to mixed precipitation in southern areas. Snowfall amounts generally ranged from 6 to 10 inches in the mountains and western foothills to 4 to 8 inches in most of the remainder of western Maine where the precipitation changed to sleet and/or freezing rain. In the mid-coast area, 3 to 6 inches of snow fell before the precipitation changed to sleet and freezing rain.

MEZ007>009-012>014-018>022

Northern Oxford - Northern Franklin - Central Somerset - Southern Oxford - Southern Franklin - Southern Somerset - Interior York - Interior Cumberland - Androscoggin - Kennebec - Interior Waldo

27	2100EST			0	0		Extreme Windchill Temperatures
	1000EST						

Low pressure moved slowly northward from just south of Nova Scotia on the morning of the 27th to the Gulf of St. Lawrence by the morning of the 28th. The pressure gradient between the low and an area of high pressure over the upper Mississippi Valley caused strong, northerly winds to develop over northern New England, bringing in cold air from eastern Canada. The combination of the wind and cold temperatures produced extreme wind chill temperatures across sections of the state. Wind chill temperatures dipped to between -25 and -30 in areas of western Maine.

MEZ007>009-012

Northern Oxford - Northern Franklin - Central Somerset - Southern Oxford

31	0400EST			0	0		Heavy Snow
	1300EST						

MEZ013>014-018>028

Southern Franklin - Southern Somerset - Interior York - Interior Cumberland - Androscoggin - Kennebec - Interior Waldo - Coastal York - Coastal Cumberland - Sagadahoc - Lincoln - Knox - Coastal Waldo

31	0400EST			0	0		Moderate Snowfall
	1300EST						

Low pressure moving northeastward along the East Coast brought moderate to heavy snowfall to most of northern New England during the morning of the 31st. The snow mixed with or changed to rain along the immediate coast. Snowfall amounts generally ranged from 4 to 8 inches in the mountains and western foothills and 3 to 6 inches in the remainder of western and central Maine.

MARYLAND, Central

MDZ002>007-009>011-013>014-016>018

Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert

02	0800EST			0	0		Unusually Warm
	1800EST						

High pressure off the Southeast U.S. coast turned winds southerly over the Mid-Atlantic region on the 2nd, starting a conveyor belt of warm air that would remain over the region through the 4th. With ample sunshine, high temperatures reached the middle 60s to lower 70s. Normal high temperatures for the first week of January are in the lower 40s. On the 2nd, high temperatures included 68

Storm Data and Unusual Weather Phenomena

January 2000

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

MARYLAND, Central

degrees at Baltimore/Washington International Airport (BWI) and downtown Baltimore, 70 degrees in Waldorf, 66 degrees in Frederick, 67 degrees at Hagerstown, and 69 degrees in Cumberland. On the 3rd, a new record high of 68 degrees was set at BWI Airport. Other high temperatures included downtown Baltimore at 66 degrees, Waldorf at 72 degrees, Frederick at 65 degrees, Hagerstown at 67 degrees, and Cumberland at 62 degrees. On the 4th, the record high of 70 degrees was tied at BWI Airport. Other high temperatures included downtown Baltimore at 70 degrees, Waldorf at 73 degrees, Frederick at 62 degrees, Hagerstown at 67 degrees and Cumberland at 65 degrees. During the evening of the 4th, a strong cold front moved across the region, bringing an end to the unseasonably warm weather.

Montgomery County

Countywide	11	1015EST 1045EST		0	0	10K	Thunderstorm Wind
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Trees and power lines downed.

MDZ003>004-007

Washington - Frederick - Harford

	11	1030EST 1100EST		0	1	22K	High Wind
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Trees downed in Hagerstown.

Howard County

Columbia	11	1045EST		0	0	5K	Thunderstorm Wind
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Trees downed onto roads.

A strong cold front moved across Maryland during the morning of the 11th. As the front moved through, winds in excess of 55 MPH were reported in some locations. In Washington County, high winds downed trees and wires in Hagerstown where a wind gust of 45 MPH was recorded. In Frederick County, trees were downed onto roads in Emmitsburg, Middletown, and New Market and over 1000 power outages were reported. In Montgomery County, wind gusts included 50 MPH at Damascus, 51 MPH at Clarksburg, and 46 MPH at Germantown. Trees and power lines were downed in Potomac, Rockville, Gaithersburg, and Germantown. In Howard County, trees were downed onto Forsythe, Ten Oaks, and Nickel Roads in Columbia. A wind gust of 44 MPH was recorded in Ellicott City and Clarksville. In Harford County, several trees and power lines were downed in Bel Air, Abingdon, Norrisville, and Forest Hill. One tree toppled onto a car on Emmorton Road in Bel Air, seriously injuring a 28-year-old woman. A wind gust of 47 MPH was recorded in Hickory and a 52 MPH wind gust was recorded at Aberdeen Proving Ground. Nearly 2500 customers were without power by noon. Other recorded wind gusts included 55 MPH at Manchester and 40 MPH at Finksburg in Carroll County, 50 MPH at Laurel and 40 MPH at Andrews Air Force Base in Prince George's County, 57 MPH at Rivera Beach and 47 MPH at BWI Airport in Anne Arundel County, and 45 MPH at Hollywood in St. Mary's County.

MDZ009-013>014-016-018

Montgomery - Prince Georges - Anne Arundel - Charles - Calvert

	13	1200EST 2000EST		0	1	33K	High Wind (G56)
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Home damaged by fallen tree in Kensington.

A vigorous cold front moved across the area from west to east around midday on the 13th. Winds in excess of 55 MPH reached the ground after the front moved across Central Maryland. In Montgomery County, a tree was downed onto a home in Kensington and 1000 customers lost power. A wind gust of 42 MPH was recorded in Forest Glen and a wind gust of 53 MPH was recorded in Silver Spring and Glenmont. In Prince Georges County, an awning blew off a restaurant an injured a 42-year-old woman in Greenbelt. Several trees and power lines were downed across the county, resulting in 10,000 power outages. Winds gusted to 53 MPH at Andrews Air Force Base and 48 MPH in South Bowie. In Charles County, a wind gust of 65 MPH was recorded at Bryans Road. In Calvert County, a few trees were downed. In Anne Arundel County, winds gusted to 50 MPH in Annapolis, 48 MPH at Baltimore/Washington International Airport and Rivera Beach, and 47 MPH at Millersville. Trees and power lines were downed in Arnold, Annapolis, and Glen Burnie, and 2000 customers lost power. Other notable wind gusts across Maryland included 57 MPH at Westminster in Carroll County and Oraville in St. Mary's County, 54 MPH at Morganza in St. Mary's County, 53 MPH at Hagerstown in Washington County, and 51MPH at Laurel in Howard County. In addition, blowout tides were reported on the west side of the Chesapeake Bay due to the length of time gusty northwest winds were observed. Baltimore Harbor reported water levels 3 feet below normal by the morning of the 14th.

MDZ002

Allegany

	16	1159EST		0	0	80K	High Wind (G57)
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66 MPH wind gust; Roof blown off a home and shed and trees downed.

A strong cold front moved across Western Maryland midday on the 16th, producing winds in excess of 55 MPH. At the Cumberland Airport, a wind gust of 66 MPH was recorded at 11:59 AM. Near Cumberland, a roof was blown off a home and a garage. Several trees were downed in the vicinity, including one that fell onto a car. In Cumberland, roofing material blew off a 3rd Street business, damaging a car and closing the road for several hours. An awning was blown off a Cumberland home and another resident reported a damaged shed. Near Artemus, a tree on Moore's Hollow Road was downed onto a power line and sparked a brush fire.

Storm Data and Unusual Weather Phenomena

January 2000

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

MARYLAND, Central

and a snowpack led to unusually cold temperatures. On the morning of the 28th and 29th, the mercury dropped into the single digits above and below zero in many locations. Low temperatures on the 28th included 9 degrees at Baltimore/Washington International Airport, 11 degrees in Mechanicsville, 7 degrees in Frederick, -1 degree in Sharpsburg, 8 degrees in Hagerstown, and 4 degrees in Frostburg. The low temperature in downtown Baltimore only fell to 16 degrees because of its metropolitan location. On the 29th, low temperatures included 8 degrees at Baltimore/Washington International Airport, 6 degrees in Mechanicsville, 12 degrees in Frederick, -2 degrees in Sharpsburg, 4 degrees in Hagerstown, and 7 degrees in Frostburg. The low temperature in downtown Baltimore only fell to 20 degrees because of its metropolitan location.

MDZ002>007-009>011-013>014

Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel

30	0300EST 2000EST		0	0					Winter Storm
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MDZ016>018

Charles - St. Mary'S - Calvert

30	0300EST 2000EST		0	0					Ice Storm
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Cold air was in place east of the Blue Ridge Mountains on the 29th and 30th, keeping surface temperatures below freezing. Low pressure moved from the Lower Mississippi Valley northeastward to the Mid-Atlantic region early on the 30th, creating the perfect conditions for freezing rain across South Central Maryland, a mix of sleet and snow in North Central Maryland, and moderate snowfall from Carroll County westward. Ice accumulations between 1/4 and 1 inch coated roads, trees, and power lines in St. Mary's, Charles, and Calvert Counties. Electrical outages were reported as trees and branches weighed down by ice fell onto power lines. Disruptions affected 1700 customers in Prince George's and Charles Counties, 4000 customers in Anne Arundel County, 600 customers in Baltimore, 2200 customers in Calvert County, and 4100 customers in St. Mary's County. St. Mary's County officials had to remove 60 downed trees after the storm. A mix of sleet, freezing rain, and snow fell across Prince George's and Anne Arundel Counties. Snow and sleet accumulations in this area ranged from 1 to 3 inches. Elsewhere 3 to 10 inches of snow and sleet fell. Storm total snow/sleet accumulations included 4.0 inches in Baltimore and Bel Air, 2 to 3 inches at Baltimore/Washington International Airport (BWI), 1 to 2 inches in Annapolis, 7.0 inches in Gaithersburg, 1.0 inch in Oxon Hill, 9.3 inches in Westminster, 10.0 inches in Frederick, 7.9 inches in Hagerstown, 5.0 inches in Cumberland, and 5.1 inches in Frostburg. Several traffic accidents were reported across the area, including one wreck which claimed the life of a 45-year-old woman on the Baltimore-Washington Parkway. One hospital in Anne Arundel County treated 25 people for car accident related injuries, 12 patients for slip and fall injuries, and 20 patients reporting heart-related problems, most likely due to shoveling snow. Passengers at both BWI and on commuter trains reported travel delays.

MARYLAND, Northeast

MDZ008-012-015-019>020

Cecil - Kent - Queen Annes - Talbot - Caroline

02	1000EST		0	0					Unseasonably Warm
04	1700EST								

A large high pressure system at the surface and in higher levels of the atmosphere over the western Atlantic Ocean continued the flow of mild and unseasonably warm air into the Middle Atlantic States. High temperatures were well into the 60s on the 2nd and 3rd and reached around 70 degrees on the 4th. Due to cooler historical readings, many daily high temperature records were set on the 3rd, but not on the 4th. The highest temperatures (all on the 4th) included 72 degrees in Salisbury and 70 degrees at the Baltimore-Washington International Airport.

MDZ008

Cecil

11	1030EST 1200EST		0	0					High Wind (G50)
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MDZ012-015-019>020

Kent - Queen Annes - Talbot - Caroline

11	1030EST 1200EST		0	0					Wind
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A strong cold front produced damaging wind gusts in Cecil County and wind gusts as high as 50 mph across the rest of the Maryland Eastern Shore. In Colora (Cecil County), a home was damaged when a tree fell on it. The tree punctured two holes in the roof and knocked down the chimney before sliding down the house's side. In Conowingo (Cecil County), downed limbs damaged the roof's vent. Power lines in Cecil County were knocked down in Elkton, Fair Hill, North East, Port Deposit and Rising Sun. Conectiv Energy reported 1,600 to 1,800 homes and businesses lost power in Cecil and Harford Counties. Farther south a peak wind gust of 49 mph was reported in Chestertown (Kent County).

MDZ008-012-015-019>020

Cecil - Kent - Queen Annes - Talbot - Caroline

13	1300EST 1800EST		0	0					Wind
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An Alberta Clipper (low pressure system) moved through Pennsylvania and New Jersey during the day on the 13th. The Delmarva Peninsula was located in the warm sector of this system and received little precipitation. The relatively warm surface temperatures coupled with an approaching cold front and strong winds aloft produced strong gusty winds near the ground during the afternoon. Isolated trees, tree limbs and wires were knocked down across the Eastern Shore as peak wind gusts averaged around 50 mph.

Storm Data and Unusual Weather Phenomena

January 2000

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

MARYLAND, Northeast

Conectiv Energy reported about 1,000 homes and businesses lost power. All power was restored by 7 a.m. EST the next morning. Choptank Electric Cooperative reported outages in Earleville (Cecil County). In Royal Oak (Talbot County), one dead pine tree blew over and caught on fire. There was a ban on recreational vehicles and empty tractor trailers crossing the Chesapeake Bay Bridge between 3 p.m. and 8 p.m. EST. Peak wind gusts included 53 mph in Salisbury (Wicomico County) and 50 mph in Centreville (Queen Annes County).

MDZ008

Cecil

16	2000EST 2200EST		0	0	Wind
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A strong cold front moved through the Eastern Shore late in the afternoon on the 16th. This cold frontal passage initiated the coldest three week period of the winter season. As the cold air continued to barrel into the area Sunday evening, wind gusts reached to around 45 mph, especially in the northern part of the Maryland Eastern Shore.

MDZ008-012-015-019>020

Cecil - Kent - Queen Annes - Talbot - Caroline

20	0400EST 2000EST		0	0	Heavy Snow
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A pair of low pressure systems, one that moved from the Northern Plains into western Pennsylvania before dissipating and a second one that developed near Wilmington, North Carolina the morning of the 20th produced a steady, heavy snow across the Maryland Eastern Shore. This was the first widespread accumulating snow of the winter season. The low intensified, but moved offshore relatively quickly. This prevented substantial accumulations from occurring. Snow began during the predawn hours on the 20th and fell at a steady rate throughout the day. Snow ended during that evening. Accumulations throughout the Eastern Shore averaged between 4 and 6 inches. All Eastern Shore schools were closed on Thursday (the 20th), a few were also closed on Friday. Minor fender benders occurred and several vehicles drove into ditches, but no serious injuries were reported. Accumulations included 6 inches in Easton (Talbot County) and Centreville (Queen Anne's County), 5.5 inches in Elkton (Cecil County), 5.0 inches in Goldsboro (Caroline County) and Chestertown (Kent County).

MDZ008-012-015-019>020

Cecil - Kent - Queen Annes - Talbot - Caroline

25	0200EST 2300EST		0	0	Winter Storm
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The most intense winter storm since the Blizzard of 1996 buried the Maryland Eastern Shore on the 25th with around a foot of snow, wind gusts as strong as 50 mph and drifts as high as eight feet. The Maryland State Police declared a snow emergency at 3 a.m. EST on the 25th for the Maryland Eastern Shore, urging motorists to stay off the road. Maryland Governor Parris Glendening declared a state of emergency for the entire state at 930 a.m. EST that morning and extended it through Wednesday the 26th. Schools and government offices were closed on both the 25th and 26th. In Queen Annes and Kent Counties many schools were closed for the rest of the week (through Friday the 28th).

The snow began with a vengeance between 2 a.m. and 4 a.m. EST across the Eastern Shore. Snowfall rates of around 2 inches per hour were common during the first of couple hours during this storm. After 6 a.m. EST, as warmer air came in above the ground and the precipitation intensity slackened, the snow began mixing with sleet and freezing rain, especially toward the Delaware border. Precipitation fell as mainly snow throughout the event near the Chesapeake Bay. The highest accumulation, 20 inches, was reported in Rock Hall in Kent County. As colder air moved back into the Eastern Shore at all levels, the wintry mix changed to all snow again by 3 p.m. EST. This coincided with another heavy band of snow that affected the Eastern Shore during the late afternoon and early evening on the 25th. The snow ended by 11 p.m. EST on the 25th.

The heavy snow that fell during the predawn hours helped cut down on the number of accidents. In Queen Anne's County state police responded to 36 accidents, mostly vehicles sliding off the road. One motorist had to be rescued in Talbot County. Drifts reached as high as 8 feet in Queen Anne's County and 6 feet in Caroline County. Wind gusts reached 50 mph in Caroline County. Ice on the wires and the strong wind gusts caused about 3,700 Conectiv customers to lose power in Maryland and Delaware. The greatest outages on the Eastern Shore were in Centreville (Queen Annes County). The worst accidents occurred over the next two days (on the 26th and 27th) as more motorists were on the road and gusty northwest winds caused considerable blowing and drifting snow. Conditions were so bad on the 27th that the Maryland State Police urged drivers to stick only to the main roads as many secondary roads were becoming impassable. In Queen Annes County Greenville Road was closed. Drifts covered parts of U.S. 301 and Maryland State Routes 8, 213, 304 and 481. Drifts reached 8 feet on Maryland State Route 481.

Total Accumulations included: in Cecil County 12 inches in Port Deposit and 9 inches in Elkton and Conowingo Dam; in Kent County 20 inches in Rock Hall and 10.5 inches in Millington; in Queen Annes County Church Hill 14 inches; in Talbot County 15 inches in Cordova, 13 inches in Easton and Royal Oak and 8.5 inches in St Michaels and in Caroline County 10 inches in Denton and 8 inches in Federalsburg.

The low pressure system responsible for the winter storm began as a weak low pressure system on a stationary front in southern Texas on the 23rd. By the morning of the 24th, it was located in the northeastern Gulf of Mexico near Apalachicola, Florida. Initial projections were for this storm system to stay far enough offshore for the heaviest precipitation to fall over the ocean and a more significant storm was expected on Wednesday the 26th. But, by Monday evening the 24th, it became apparent that the storm would not safely go out to sea. In fact, it was intensifying and hugging the South Atlantic Coast. By 7 a.m. EST on the 25th, it was about a

Storm Data and Unusual Weather Phenomena

January 2000

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

MARYLAND, Northeast

980 millibar low just northeast of Cape Hatteras. The storm's greatest intensification was over, but it moved northeast near the Atlantic Seaboard, instead of eastnortheast as was originally expected. At 7 p.m. EST, the storm was about a 975 millibar low located about 80 miles east of Long Beach Island, New Jersey. It proceeded to move northeast and weaken and at 7 a.m. EST on the 26th, it was a 988 millibar low just east of Portland Maine. This storm system pushed the cold front well offshore. The third low that did develop on Wednesday the 26th was too far offshore to affect the region other than reinforcing the preexisting cold northwest flow.

MDZ008-012-015-019

Cecil - Kent - Queen Annes - Talbot

30	1400EST 2100EST			0	0		Winter Storm
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MDZ020

Caroline

30	1400EST 1800EST			0	0		Wintry Mix
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A low pressure system developed in the western Gulf of Mexico during the day on the 28th. It slowly moved eastnortheast and by Sunday morning the 30th was located near Apalachicola, Florida, not too far from the location of the January 25th storm. Unlike the previous storm, this one tracked farther to the west and moved northeast along the Atlantic Seaboard. By the morning of the 31st, it was located near Boston, Massachusetts. There was less cold air present at the start of the storm, especially along the coastal plain. Most of it was in the lowest layers of the atmosphere. Precipitation started as snow in Cecil County, briefly as snow in Kent County and as sleet and freezing rain farther south along the Eastern Shore. After about an inch or two of snow, precipitation changed to freezing rain and sleet in Cecil County around 6 p.m. EST. Warm air was moving in from the nearby Atlantic and changed the freezing rain to plain rain. This took the longest near the Chesapeake Bay and northwest Cecil County. By 10 p.m. EST all precipitation had changed to plain rain. By then about one-quarter to one third of an inch of ice accrued on exposed surfaces. Untreated roadways were very treacherous and high traffic volume due to Super Bowl Sunday exacerbated the problems. Most of the reported accidents were in Cecil County as about 10 vehicles had spun into ditches.

MARYLAND, South

MDZ021

Dorchester

20	0200EST 1200EST			0	0		Winter Storm
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Five to seven inches of snow fell as an area of low pressure passed to the south of the region. The highest totals were recorded in the northwestern sections of the county. Snow fell heavily for several hours during the early morning, creating hazardous conditions on area highways.

MDZ022>025

Wicomico - Somerset - Inland Worcester - Maryland Beaches

20	0200EST 1200EST			0	0		Winter Storm
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Four to six inches of snow fell across the area as an area of low pressure passed to the south of the region. The heaviest totals were recorded in Somerset and northern Wicomico counties. Snow briefly fell heavily during the early morning hours, creating hazardous driving conditions on area highways.

MDZ022>023

Wicomico - Somerset

26	0600EST 2200EST			0	0		Winter Storm
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A significant winter storm affected southern Maryland with six to nine inches of snow and freezing rain. Precipitation fell as a mixture of snow, sleet, and freezing rain during the morning hours, then changed to all snow by late afternoon. Wicomico county including Salisbury received 6 to 9 inches, and Somerset county picked up 6 inches. Winds gusted over 30 mph, producing blowing and drifting snow during the late afternoon and evening hours.

MDZ021

Dorchester

26	0600EST 2200EST			0	0		Winter Storm
----	--------------------	--	--	---	---	--	---------------------

A significant winter storm affected Dorchester county with between 9 and 14 inches of snow. Snow mixed with sleet and freezing rain during the morning and early afternoon hours. Winds gusting over 30 mph created blowing and drifting snow. Very cold air built in behind the storm system, preserving the snowpack for over a week.

MDZ024>025

Inland Worcester - Maryland Beaches

26	1000EST 2200EST			0	0	20K	Winter Storm
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A significant winter storm affected southern Maryland with a variety of weather. Precipitation began as rain during the morning, then changed to freezing rain and sleet during the afternoon. Snow then mixed in during the evening hours before ending. Winds over 40 mph created some blowing snow during the evening. Snowfall totals of 1 to 2 inches were reported across Worcester county. Minor beach erosion was reported near Ocean City.

Storm Data and Unusual Weather Phenomena

January 2000

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

MARYLAND, South

MDZ021

Dorchester

30	0700EST			0	0		Ice Storm
	2300EST						

An ice storm affected portions of southern Maryland, including Dorchester county. Freezing rain began during the morning hours and fell for most of the day, mixing with plain rain as warmer air streamed northward during the day. Ice accumulations of up to one-quarter of an inch were reported.

MARYLAND, West

MDZ001

Garrett

20	0200EST			0	0		Winter Storm
	1600EST						

A winter storm passed just south of the area, bringing an initial round of snow which began after midnight on the 20th. Accumulations of between 2 and 4 inches of snow were common across Garrett County by noon on the 20th as the storm passed off to the east.

However, strong northwest winds in the wake of the storm began during the afternoon of the 20th and produced several inches of orographically enhanced snows across Garrett County. These strong northwest winds also produced wind chills as cold as -30F. This additional snow continued into the afternoon hours of the 21st and produced storm total snowfall of around 6 to 8 inches over the majority of the county, with up to a foot reported at some of the higher elevations.

MDZ001

Garrett

26	0500EST			0	0		Winter Storm
	0500EST						

Strong northwest winds in the wake of an area of low pressure passing to the east brought orographically enhanced snows to Garrett County. Snowfall totals of between 1 and 3 inches were common across the majority of the county, with the highest elevations receiving between 4 and 6 inches total snowfall.

MDZ001

Garrett

30	0400EST			0	0		Winter Storm
	1900EST						

A winter storm passing south of the western panhandle of Maryland brought another significant snowfall to Garrett County. This was the third significant winter storm to affect Garrett County in less than two weeks. A mix of snow and freezing rain started across the county around midnight on the 30th, and by the early morning hours between 1 and 2 inches of snow accumulation, along with a coating of freezing rain, were reported by law enforcement officials. As the storm moved to the east and strong northwest winds brought colder air into the system, the precipitation turned to all snow by late morning. By the evening hours of the 30th, the snow had tapered to flurries with total snow accumulations of between 4 and 7 inches reported across the county.

MASSACHUSETTS, Central and East

MAZ015>021

Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth

04	1400EST			0	0		Strong Wind
	2200EST						

Strong southerly winds buffeted eastern Massachusetts as low pressure passed west of the state. Sustained winds of 25 to 35 mph were observed with gusts as high as 50 mph. The strong wind gusts downed large branches in Dartmouth, and downed telephone wires in Westport. No other damage was reported.

MAZ007-015-020>024

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

10	1800EST			0	0		Strong Wind
	2200EST						

A brief period of strong southerly winds occurred in eastern Massachusetts, as a developing low pressure system tracked from Worcester to Portsmouth New Hampshire. Sustained winds near 35 mph were common, with gusts as high as 50 mph. No damage was reported.

MAZ009-012-022-024

Western Hampden - Southern Worcester - Barnstable - Nantucket

12	1200EST			0	0		Strong Wind
	1600EST						

Gusty northwest winds buffeted much of the Bay State as high pressure built into the region from Canada. The strongest winds were felt across central Massachusetts, and also on Cape Cod and Nantucket, where sustained winds averaged 25 to 35 mph and peak gusts reached as high as 49 mph at Worcester Regional Airport. The strong winds downed two trees in Northampton, including one 60-foot hemlock tree which fell onto a house, dislodging the chimney but causing no other damage. No injuries were reported.

Storm Data and Unusual Weather Phenomena

January 2000

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

MASSACHUSETTS, Central and East

MAZ002-006-008>011-013>019-022 **Western Franklin - Western Essex - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Barnstable**
 13 **0600EST** **0** **0** **Snow**
 1800EST

MAZ003>005-007-012 **Eastern Franklin - Northern Worcester - Western Middlesex - Eastern Essex - Southern Worcester**
 13 **0600EST** **0** **0** **Heavy Snow**
 1800EST

Low pressure passing just south of the Cape and Islands brought the first widespread snowfall of the winter season to the Bay State, and brought heavy snow to much of central Massachusetts. Accumulating snow was reported down to the south coast. The snow ended the stretch of more than 300 days without measurable snowfall in Boston. The last time snow had fallen at Logan International Airport was on March 15, 1999. It began snowing during the morning rush hour, causing roadways to quickly become iced over. State Police handled more than 100 car accidents in Greater Boston alone between 7 and 9 am. Accumulations ranged from 1 to 3 inches on the south coast to 3 to 6 inches as far north as the Mass Pike. Greater Boston received 4 to 6 inches of snow, with as much as 7 to 9 inches in northern Worcester County. The storm was followed by a bitterly cold airmass, which brought subzero wind chills to the region.

MAZ003-011>016-019>024 **Eastern Franklin - Eastern Hampden - Southern Worcester - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket**

16 **1700EST** **0** **0** **Strong Wind**
 17 **1200EST**

An intensifying low pressure system in the Gulf of Maine brought strong northwest winds and bitterly cold wind chills to Massachusetts. The strongest winds were felt in the eastern third of the state, as well as some of the higher elevations in the west. Sustained winds of 25 to 35 mph were common, with gusts near 50 mph. No wind damage was reported.

MAZ018-022-024 **Western Plymouth - Barnstable - Nantucket**
 20 **1500EST** **0** **0** **Heavy Snow**
 21 **0900EST**

Low pressure moving from the Carolina coast to south of Nantucket brought heavy snow to parts of southeast Massachusetts. Snowfall amounts ranged from 5 to 7 inches across interior Plymouth County, to as much as 6 to 10 inches on the outer Cape and Nantucket. Strong winds during the height of the storm downed several large limbs in Eastham, and produced drifts as high as 2 to 3 feet. Minor splashover was also reported on the outer Cape during high tide, but no major damage or flooding resulted.

MAZ007-012-015>016-020-022>024 **Eastern Essex - Southern Worcester - Suffolk - Eastern Norfolk - Southern Bristol - Barnstable - Dukes - Nantucket**

21 **1800EST** **0** **0** **Strong Wind**
 22 **0500EST**

Arctic high pressure building into the region brought gusty northwest winds and bitterly cold wind chills to Massachusetts. The strongest winds were felt in parts of central and eastern Massachusetts, where wind gusts of 45 to 55 mph were common. There were no reports of wind damage.

MAZ002>005-008>012-014 **Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden - Southern Worcester - Southeast Middlesex**

25 **0600EST** **0** **0** **Heavy Snow**
 1800EST

A winter storm passing across southeast Massachusetts brought heavy snow to western and central parts of the state, as well as to interior northeast Massachusetts. Storm totals as high as 8 to 15 inches were observed in Franklin and northern Worcester Counties, with generally 5 to 10 inches along the east slopes of the Berkshires, along the Mass Pike as far east as I-495, and along the I-495 corridor from the Mass Pike to Andover. The highest total reported was 15 inches in Athol. Despite the heavy snow, very few accidents were reported in western and central Massachusetts. Farther east, snow turned to mixed precipitation and eventually rain, limiting snowfall amounts from Boston to Cape Cod. Logan International Airport in Boston received a total of 3.5 inches, but the airport was closed from late morning until mid afternoon, causing about 400 flights to be canceled.

Storm Data and Unusual Weather Phenomena

January 2000

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

MASSACHUSETTS, West

MAZ001

Berkshire

13	1200EST 1400EST			0	0	5K	Winter Storm
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An area of low pressure developed to the lee of the Rockies on January 12. This low moved very rapidly eastward, reaching the Ohio Valley during the evening of January 12. The low then slowed down as it worked across the Mason-Dixon line early January 13. At the same time, an arctic front stalled near Interstate 90 across the Berkshires. Moisture from the storm became better focused along this frontal boundary, and as a result, a band of moderate to heavy snow fell across Berkshire county. Nine and a half inches of snow was reported in Florida.

MAZ001

Berkshire

17	0300EST 1200EST			0	0		Extreme Cold
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A very large arctic high built southward from eastern Canada early on January 17. At the same, deep low pressure system settled in over the Canadian Maritimes. A strong pressure gradient developed between these two features resulting a northwest wind averaging between 15 and 30 miles an hour across the Berkshires. At the same time, temperatures plummeted to between zero and 10 below. The combination of the very low temperatures and the strong wind, produced dangerously low wind chill values in the 50 to 60 below zero range. The dangerous wind chills persisted well into the midday hours despite bright sunshine.

MAZ001

Berkshire

25 26	1100EST 0800EST			0	0	11K	Winter Storm
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Low pressure developed across the southeastern U.S. on Monday, January 24. This storm consolidated along the coast of Georgia, then began to rapidly deepen early on January 25. The storm turned north, hugging the coastline as it moved just to the east of Boston by early January 26. The result was a large swath of heavy snow, generally in the 6 to 12 inch range, across the Berkshires. Specific snowfall amounts included 10 inches at Monterey and 12 inches at Lenox Dale.

MAZ001

Berkshire

31	0200EST 0900EST			0	0	12K	Winter Storm
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Low pressure formed in the Gulf States on January 29. This storm tracked northeast along the piedmont of North Carolina, the DelMarVa Peninsula, coastal New Jersey and western Long Island on January 30. It reached Cape Cod early on January 30 and the Gulf of Maine later in the day.

The storm brought 4 to 8 inches of snow across the Berkshires.

MICHIGAN, East

MIZ047-053>055

Midland - Saginaw - Tuscola - Sanilac

12 13	1700EST 1100EST			0	0		Heavy Snow
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A clipper low pressure system strengthened rapidly as it moved from the upper Mississippi Valley across the Great Lakes. Heavy snow occurred in parts of southeast Michigan ahead of the low, mainly in the Saginaw Valley and Thumb regions. Snowfall amounts were as high as 10 inches in Marlette, and 8 inches in Caro and Cass City. Seven inches fell east of Pleasant Valley, southwest of Crosswell, and near Tri-Cities International Airport in Freeland. A newspaper reported as much as ten inches of snow near Forestville and Richmondville. In addition, gusty winds around the deepening low pressure system resulted in considerable drifting snow.

MIZ082

Lenawee

20	1015EST			0	0		Snow
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A low pressure system moved east across the Ohio Valley on the night of the 19th, reaching the Mid-Atlantic coast on the 20th. This system produced up to 5 inches of snow across much of lower Michigan. An auto accident on US 223 in northwest Lenawee County claimed the life of a 37-year-old woman, who lost control of her vehicle on the slushy highway and crashed into a truck.

MIZ049-055

Huron - Sanilac

25 27	1600EST 1500EST			0	0		Heavy Snow
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A major winter storm along the East Coast brought arctic air south from Canada. Snow showers and squalls developed as this cold air crossed the Great Lakes. The lake effect snow from Lake Huron came onshore into the Thumb area, and a north wind kept these snow showers going for two days. The majority of the snow fell in the first 24 hours. Snowfall amounts were highest in Huron County, with 10 inches in Bad Axe, Filion, and Port Austin, and 8 inches in Port Hope. The cold north wind produced snow drifts as high as two feet. Eight inches of snow fell in Port Sanilac in Sanilac County, with 6 inches in Brown City.

On the 27th, a pick-up truck was unable to stop at a train crossing near Tyre due to slippery road conditions. The truck was struck broadside by an oncoming train, killing a female passenger. Several other accidents occurred during the snow event, producing at least three injuries.

Storm Data and Unusual Weather Phenomena

January 2000

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

MICHIGAN, Extreme Southwest

MIZ077>078

Berrien - Cass

20	0100EST			0	0	0	Heavy Snow
21	1600EST						

Storm total snow amounts across Berrien county ranged from 8 to 15 inches with 15 inches reported at Baroda. Storm total snow amounts ranged from 6 to 9 inches across Cass county with the heaviest snow falling along the Cass/Berrien county line on the 20th.

...Synoptic and mesoscale conditions on the 20th/21st...

The coldest air of the season dropped into the midwest on the 20th behind a vigorous low pressure system which developed across the central plains on the 19th. The system tracked across central Indiana the night of the 19th dropping 4-6 inches of synoptic induced snowfall. As the system pulled east... deep northerly cyclonic flow developed in its wake as very cold air poured into the region. With the northerly fetch down along the long axis of Lake Michigan... a tremendous shore parallel snow band developed in the early morning hours of the 20th. Many locations under this snow band reported snowfall rates of 2 to 3 inches per hour with whiteout conditions. This band broke up by late afternoon on the 20th with the eventual development of multiple and not as intense lake effect snow bands which developed in response to even colder air spilling south out of Canada. General lake effect snowfall ranged from 6 to 10 inches with Baroda Michigan reporting the heaviest amount of 15 inches.

MIZ077

Berrien

25	1800EST			0	0	0	Heavy Snow
26	0800EST						

Storm total snow amounts ranged from 2 inches in Niles to 16 inches in Baroda and Michiana and points west and southwest as the most intense snow bands hugged the Lake Michigan shoreline before shifting westward the morning of the 26th.

...Synoptic and mesoscale conditions on the 25th/26th...

A tremendous snowstorm was ongoing along the east coast during this period with a large nearly meridional longwave upper level trough in place across the upper midwest. A clipper type low pressure system rapidly dove southeast out of Alberta Canada early on the 25th spreading a band of light snow across Northern Indiana. Quick on its heels was a 1040 millibar arctic high. This combined with intensifying cold advection and induced thermal troughing along the lake and initial boundary layer wind trajectory of 360 degrees... led once again to a very intense shore parallel snowband to develop along the Lake Michigan shoreline during the late afternoon of the 25th reaching as far south as Lafayette Indiana. This band remained in roughly the same position for 12 hours before shifting westward into Lake and Porter counties the morning of the 26th. Many locations from western Berrien county into Laporte county reported from 14 to 20 inches of snow with the heaviest snowfall occurring in Michigan City and Laporte.

MICHIGAN, North

MIZ008-015

Chippewa - Mackinac

02	0100EST			0	0	0	Heavy Snow
	2300EST						

A storm system which developed over the southern Rocky Mountains moved to the northeast across the central plains and strengthened overnight on the 2nd. The storm system then moved across northern lower Michigan on the afternoon of the 2nd. This storm system produced heavy snow across portions of eastern upper Michigan. By 11 pm on the evening of the 2nd, 10 to 12 inches of snow had fallen over western Chippewa county and extreme northwestern Mackinac county.

MIZ008-015>022-025>027-031

Chippewa - Mackinac - Emmet - Cheboygan - Presque Isle - Charlevoix - Leelanau - Antrim - Otsego - Benzie - Grand Traverse - Kalkaska - Manistee

03	2000EST			0	0	0	Heavy Snow
04	1100EST						

A storm system moved from the southern Great Plains rapidly to the northeast during the day on January 3rd. The storm system moved across south central lower Michigan overnight on the 4th. It produced a band of 6 to 10 inches of snow over portions of northern lower Michigan and eastern upper Michigan. In lower Michigan, the snow fell north of a line from Manistee to Rogers City. Across eastern upper Michigan, the snow fell across much of Chippewa and Mackinac counties. The greatest snowfall amounts (9 to 10 inches) fell across Leelanau county, western Charlevoix county, northern Emmet county and extreme eastern Chippewa county.

MIZ026

Grand Traverse

19	1800EST			0	0	0	Heavy Snow
20	0200EST						

A lake effect snow band established itself over Grand Traverse county. Up to 6 inches of snow fell around Traverse City and across the western half of the county.

MIZ008

Chippewa

23	1800EST			0	0	0	Heavy Snow
24	0200EST						

Arctic air over Lake Superior caused a heavy band of lake effect snow to establish itself over far northwestern Chippewa county. Locations around the town of Paradise received up to 8 inches of snow within 8 hours.

MIZ025-031

Benzie - Manistee

25	0800EST			0	0	0	Heavy Snow
	2000EST						

Northerly winds brought cold arctic air over lakes Superior and Michigan. This helped to establish a heavy band of lake effect snow

Storm Data and Unusual Weather Phenomena

January 2000

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

MICHIGAN, North

over western Benzie and western Manistee counties. This band produced 12-hour snowfall amounts of 8 to 10 inches. The cities of Frankfort and Manistee were affected by this heavy snow band.

MICHIGAN, Upper

MIZ005>007-011-013>014 Marquette - Alger - Luce - Dickinson - Delta - Schoolcraft

02	0230EST 1800EST	0	0	Heavy Snow
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A winter storm moved northeast from Kansas, across Lake Michigan, and into Quebec, bringing heavy snow to the Upper Peninsula of Michigan. Snowfall totals were 9.6 inches in Negaunee, 10 inches in Escanaba, 10.5 in Iron Mountain, 11.0 in Munising, 11.5 inches in Melstrand, Newberry and Kingsford, 12.0 inches in Gwinn and Grand Marais, 12.7 inches at Pine Stump Junction, 14.0 inches in Two Heart, and 16.0 inches in Manistique.

MIZ002-006

Ontonagon - Alger

19	2000EST	0	0	Heavy Snow
21	1600EST			

An Arctic front swept across Lake Superior and cold northwest winds behind the front created bands of heavy "lake effect" snow containing snowfall rates of up to an inch an hour. Snowfall accumulation totaled 8.5 inches at Grand Marais and 10 inches in Ontonagon.

MIZ006-009

Alger - Gogebic

24	1700EST	0	0	Heavy Snow
25	2000EST			

Cold northwest winds set up bands of heavy "lake effect" snow over lake Superior's south shore. Both Melstrand and Shingleton in Alger county accumulated another 10.5 inches of snow and Wakefield in Gogebic county received 10 inches.

MICHIGAN, West

MIZ037>040-043>046-050>052 Mason - Lake - Osceola - Clare - Oceana - Newaygo - Mecosta - Isabella - Muskegon - Montcalm - Gratiot

03	1500EST	0	0	Winter Storm
04	0700EST			

A low pressure system developed over Oklahoma during the morning hours of the 3rd and moved quickly northeast to western Indiana by the evening hours of the 3rd. Due to the track of the system, the warm front got far enough north to produce mostly freezing rain along it across south central lower Michigan. The storm continued on a northeast track across lower Michigan and Lake Huron, and as the storm pulled away, freezing rain changed over to snow before coming to an end during the early morning hours of the 4th.

The following is a list of storm total snowfall and ice accumulation for the 3rd through the 4th:

County:	Storm Total Snowfall (inches):	Ice Accumulation (inches):
Mason	6	0.3
Oceana	6	0.3
Lake	5	0.3
Newaygo	4	0.3
Osceola	3	0.5
Clare	3	0.5
Mecosta	2	0.5
Isabella	1	0.5
Muskegon	1	0.3
Montcalm	1	0.3
Gratiot	1	0.3

MIZ056-064-071>072 Ottawa - Allegan - Van Buren - Kalamazoo

04	1900EST	0	0	Winter Storm
05	0700EST			

A strong storm system and its associated cold front departed during the early morning hours of the 4th. However, northwest winds behind the system created broad area snow bands across Ottawa, Allegan, Van Buren, and Kalamazoo counties. The heaviest snow fell from Bangor to Lawrence in Van Buren county, where 12 inches of snow fell. 6 inches of snow fell across southwest portions of Allegan county, and 3 inches of snow fell across portions of Ottawa and Kalamazoo counties.

Storm Data and Unusual Weather Phenomena

January 2000

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

MICHIGAN, West

MIZ037>040-043>046-050>052-056 **Mason - Lake - Osceola - Clare - Oceana - Newaygo - Mecosta - Isabella - Muskegon - Montcalm - Gratiot - Ottawa**

	12	1200EST			0	0			Winter Storm
	13	0800EST							

A large band of moderate to heavy snow developed across central lower Michigan as a result of moisture overrunning a stationary front draped across southern Michigan. The heaviest snow fell during the late afternoon and overnight hours of the 12th into the 13th. The following is a list of snowfall accumulations by county:

County:	Storm Total Snowfall (inches):
Lake	10
Mecosta	10
Mason	8
Osceola	8
Oceana	8
Newaygo	8
Montcalm	8
Clare	7
Isabella	6
Gratiot	5
Muskegon	4

MIZ051

Montcalm

	17	1600EST 2200EST			0	0			Winter Storm
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A narrow band of moderate to heavy snow set up across south central lower Michigan north of a warm front. The heaviest snow fell across Montcalm county, where 5 to as much as 7 inches of snow fell. Lighter snowfall accumulations of 3 to 5 inches were measured across Lake, Osceola, Newaygo, Isabella, Mecosta, Gratiot, Ionia, Clinton, Eaton, Ingham and Jackson counties.

MIZ037-043-050-056-064-071 **Mason - Oceana - Muskegon - Ottawa - Allegan - Van Buren**

	19	1600EST			0	0			Winter Storm
	21	0800EST							

Moderate to heavy snow fell across southwest lower Michigan as a result of a trough of low pressure that remained nearly stationary across lower Michigan from the 19th through the 21st. North to northwest winds helped to enhance lake effect snow. The following is a list of snowfall totals by county:

County:	Storm Total Snowfall (inches):
Van Buren	12
Allegan	11
Mason	10
Oceana	10
Muskegon	9
Ottawa	8

Lighter snowfall accumulations of 3 to 6 inches were observed across Lake, Osceola, Clare, Newaygo, Mecosta, Isabella, Montcalm, Gratiot, Kent, Ionia, Clinton, Barry, Eaton, Ingham, Kalamazoo, Calhoun and Jackson counties.

MIZ037-043

Mason - Oceana

	25	1000EST			0	0			Winter Storm
	26	1000EST							

Northerly winds behind a cold front produce heavy lake effect snow across extreme western Mason and Oceana counties, where 8 to 10 inches of snow fell. Much lighter snow accumulations of 1 to 3 inches were observed across far western Muskegon and Van Buren counties.

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
MISSISSIPPI, Central									
Lauderdale County									
Nellieburg	03	1805CST			0	0	3K		Thunderstorm Wind
			Several trees were blown down.						
Franklin County									
8 SE Bude	03	1825CST			0	0	40K		Thunderstorm Wind
			A mobile home was destroyed. A church received significant damage. A tree fell on a car. Several trees were blown down.						
Lincoln County									
Brookhaven	03	1915CST			0	0	35K		Thunderstorm Wind
			Two sheds were destroyed. Several trees and power lines were blown down.						
Jones County									
Laurel	03	1935CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
Simpson County									
Magee	03	1955CST			0	0	5K		Thunderstorm Wind
			The awning was torn off of several downtown buildings.						
Smith County									
Mize	03	2020CST			0	0	2K		Thunderstorm Wind
			A few trees were blown down.						
Covington County									
Williamsburg	03	2045CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
Neshoba County									
Philadelphia	03	2320CST			0	0			Hail (1.00)
Covington County									
Collins	09	1900CST			0	0	1K		Thunderstorm Wind
			A tree and several large limbs were blown down.						
Jones County									
Hebron	09	1916CST			0	0			Hail (0.88)
Marion County									
Foxworth	09	2125CST			0	0	5K		Thunderstorm Wind
			Several trees and power lines were blown down.						
Lamar County									
Oloh	09	2137CST			0	0			Hail (0.88)
Scott County									
Central Portion	09	2350CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
Leake County									
10 N Carthage	10	0105CST			0	0	2K		Thunderstorm Wind
			Several trees were blown down.						
MSZ018>019-025>039									
			Bolivar - Sunflower - Leflore - Grenada - Carroll - Montgomery - Webster - Clay - Lowndes - Choctaw - Oktibbeha - Washington - Humphreys - Holmes - Attala - Winston - Noxubee						
	27	0500CST			0	0	1.1M		Heavy Snow
	28	1400CST							
			A winter storm brought a swath of heavy snow across north central Mississippi. The snow began falling over western portions of the area during the early morning of the 27th and spread eastward during the day. The snow was heavy at times and did not end until the morning of the 28th. Snowfall amounts generally ranged from 4 to 10 inches. The heaviest amounts fell along the Highway 82 corridor from Greenville to Starkville where isolated snow depths of 12 inches were reported. Damage from the heavy snow was relatively minimal with reports limited to a few collapsed roofs and downed trees. Power outages were sporadic, but travelling was more than just an inconvenience as numerous reports of vehicles running off the road were received.						
MSZ040>052									
			Issaquena - Sharkey - Yazoo - Madison - Leake - Neshoba - Kemper - Warren - Hinds - Rankin - Scott - Newton - Lauderdale						
	27	0600CST			0	0	285K		Ice Storm
	28	0600CST							
			A winter storm brought a mixture of sleet, freezing rain, and snow to much of central Mississippi on the 27th and 28th. The wintry mixture began early on the 27th across western portions of the area and spread eastward during the day. The precipitation did not end until the morning hours of the 28th. In some places, the precipitation changed to rain before ending and this helped to keep damage						

Storm Data and Unusual Weather Phenomena

January 2000

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

MISSISSIPPI, Central

and inconvenience to a minimum. Overall, ice damage was rather light as much of the precipitation fell in the form of sleet. Total ice accumulations of one to two inches were common. Damage reports consisted primarily of downed trees and power lines.

MISSISSIPPI, North

Yalobusha County

5 E Water Vly to 7.2 NE Water Vly	03	1330CST 1340CST	2.2	300	0	0	100K	Tornado (F2)
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The tornado first developed just south of Highway 315 in the community of Hawkins Crossing and moved northeast across the northeast corner of Yalobusha county. One home was blown three feet off its foundation with only the west facing wall left standing. Two mobile homes were completely destroyed. Nine other homes and one barn recieved moderate to extensive damage.

Lafayette County

3 W Paris to 4.6 N Lafayette Spgs	03	1340CST 1400CST	21	150	0	3	100K	Tornado (F2)
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The tornado continued from Yalobusha county into southwest Lafayette county and continued to travel northeast. In the town of Paris in the southwest part of the county, a frame house was lifted off its foundation with the back end of the house completely blown out. One person in the house was injured. A nearby house under construction was severely damaged. Several other homes in the area received minor damage and numerous trees were snapped or uprooted. The tornado also produced some damage in the towns of Denmark and Lafayette Springs.

Union County

3.6 SW Pinedale to 3 NE Myrtle	03	1400CST 1410CST	20	600	0	4	250K	Tornado (F3)
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The tornado continued from Lafayette county into Union county. In the town of Pinedale in southwest Union county, a new brick and vinyl siding home was obliterated. The debris extended up to 400 yards where a large freezer landed in a lake. A nearby pickup truck was rolled 20 yards and sustained extensive damage. Trees two to three feet in diameter were completely uprooted. In the town of Enterprise, a mobile home was completely destroyed and a conventional home sustained severe damage. Four other homes received extensive structural damage. The West Union School had minor roof damage and had numerous windows blown out. In the town of Myrtle, two mobile homes were destroyed and another mobile home was flipped on its side. In all, more than 60 homes were damaged in Union county.

Itawamba County

Tremont	23	0600CST 0605CST			0	0	0.01K	Lightning
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A sweet gum tree was struck by lightning.

MSZ001>003-005-007>017-020>024

De Soto - Marshall - Benton - Alcorn - Tunica - Tate - Prentiss - Coahoma - Quitman - Panola - Lafayette - Union - Pontotoc - Lee - Itawamba - Tallahatchie - Yalobusha - Calhoun - Chickasaw - Monroe

27	1800CST			0	0	0	Heavy Snow
28	0600CST						

A major winter storm dumped heavy snow across northern Mississippi. Three to six inches of snow fell across much of the area with as much as eight inches of snow reported over Coahoma and Tallahatchie counties.

MISSISSIPPI, South

Wilkinson County

2 E Woodville	03	1821CST	0.1	25	0	0	0.50K	Tornado (F0)
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A tornado briefly touched down just east of Woodville along Highway 24 knocking down several trees.

Amite County

Smithdale	03	1821CST			0	0	3K	Thunderstorm Wind
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A large tree was blown down on a vehicle.

Jackson County

Ocean Spgs	04	0135CST			0	0	1K	Thunderstorm Wind
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Three vehicles had glass windows blown out.

MISSISSIPPI, Southeast

Greene County

Leakesville	04	0005CST 0007CST			0	0	4K	Thunderstorm Wind (G50)
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Trees were blown down just northeast of Leakesville.

Stone County

Wiggins	23	1840CST 1841CST			0	0		Hail (0.75)
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Dime size hail was reported just northeast of Wiggins.

Storm Data and Unusual Weather Phenomena

January 2000

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

MISSISSIPPI, Southeast

Stone County

Wiggins	23	1840CST 1841CST			0	0	5K		Thunderstorm Wind (G50)
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Trees and power lines were blown down near Wiggins.

MSZ067-075>076 Wayne - Perry - Greene

27	2200CST			0	0			Sleet
28	0700CST							

Sleet fell across the area during the overnight hours of January 27 and 28. No accumulations were reported.

MISSOURI, East

MOZ061-063>064 St. Charles - St. Louis - St. Louis (C)

17	1200CST 1800CST			0	0			Winter Storm
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Light freezing rain that started to fall about Noon put a thin layer of ice on area roadways causing numerous traffic accidents across the area through the evening commute home. Otherwise there were no major problems caused by the ice.

MOZ041>042-047>051-059 Boone - Audrain - Moniteau - Cole - Osage - Callaway - Montgomery - Gasconade

27	1800CST			0	0			Winter Storm
29	1200CST							

A steady light snow produced the first real snow accumulation of the 1999-2000 winter. Accumulation was about 4-5 inches across the area.

MOZ018>019-026>027-034>036 Knox - Lewis - Shelby - Marion - Monroe - Ralls - Pike

28	1800CST			0	0			Winter Storm
30	0400CST							

A steady light snow resulted in 3-5 inches of snow across the area.

MOZ052-060>065-072>075-084>085-099 Lincoln - Warren - St. Charles - Franklin - St. Louis - St. Louis (C) - Jefferson - Crawford - Washington - St. Francois - Ste. Genevieve - Iron - Madison - Reynolds

28	1800CST			0	0			Winter Storm
29	1800CST							

A steady light snow produced the first significant snow accumulation of the 1999-2000 winter season. Accumulations generally ranged from 3 to 5 inches.

MISSOURI, Lower

Dunklin County

Kennett	03	1350CST 1355CST			0	0	0.01K		Hail (0.75)
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Dunklin County

White Oak to Frisbee	03	1400CST 1410CST			0	0	25K		Thunderstorm Wind
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Some grain tanks and small buildings were blown down. Several shingles were blown off some roofs. Trees and power lines were also knocked down.

Pemiscot County

Hayti to Caruthersville	03	1445CST 1455CST			0	0	0.02K		Hail (0.75)
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MOZ113-115 Dunklin - Pemiscot

27	1800CST			0	0	0		Heavy Snow
28	0600CST							

A major winter storm dumped heavy snow on the Missouri bootheel. Two to three inches of snow fell across much of the area.

MISSOURI, Northeast

MOZ009>010 Scotland - Clark

03	1500CST			0	0			Winter Storm
04	0100CST							

Low pressure over the southern plains intensified and raced northeast along a frontal boundary into East Central Illinois during the evening. The storm system brought a mixture of freezing drizzle, freezing rain, sleet and snow to the region. The depth of the cold air kept much of the precipitation in the form of snow along and north of Highway 34 where amounts ranged from 2 to 4 inches. The heaviest band of snow fell in a swath from Scotland County Missouri northeast through the Quad Cities into Northwest Illinois near Freeport and Sterling-Rock Falls. Further south, the precipitation fell mainly as rain mixed at times with sleet and freezing rain before changing to snow as the precipitation diminished. Snowfall amounts generally ranged from 1 to 2 inches.

Storm Data and Unusual Weather Phenomena

January 2000

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

MISSOURI, Northeast

MOZ009>010	Scotland - Clark								
	17	0800CST			0	0			Winter Storm
		1500CST							

A winter storm moving along the Canadian border brought warm air northward over a shallow layer of cold air over the Middle Mississippi Valley. This created a broad area of light freezing rain, sleet and freezing drizzle over Eastern Iowa, Northeast Missouri and Northwest Illinois. A few snow flurries or patchy light snow mixed with the freezing precipitation at times. Ice accumulations were light and generally less than a tenth of an inch. However, ground temperatures in the middle and upper 20s allowed for a thin layer of ice to form on many road surfaces. The main band of freezing rain fell 20 miles either side of an axis from Muscatine Iowa to Princeton Illinois. Several accidents were reported.

MOZ009>010	Scotland - Clark								
	29	1500CST			0	0			Winter Storm
	30	0600CST							

A winter storm produced widespread snow throughout Northeast Missouri. Snowfall amounts generally ranged from 3 to 6 inches. Roads were slick and hazardous with numerous reports of accidents.

MISSOURI, Northwest

MOZ028>029-037	Platte - Clay - Jackson								
	23	1000CST			0	0			Winter Weather
		1500CST							

Snow affected northern sections of the Kansas City metro area from late morning through early afternoon. Although accumulations were only around 1 inch, most of the snow fell in a two-hour period between 1 and 3 pm. During that time, visibility at Kansas City International Airport was reduced to less than a mile, and dropped as low as a quarter mile. With visibility reduced and untreated roads becoming hazardous very quickly, approximately 800 traffic accidents were reported in the Kansas City metro area, killing 12 and injuring over 100. A chain-reaction crash on Interstate 29 near Platte City, in which as many as 30 vehicles were involved, resulted in 10 fatalities.

MISSOURI, Southeast

Carter County									
Ellsinore to Grandin	03	0730CST			0	0	3K		Thunderstorm Wind (G52)
	Trees were blown down.								

Ripley County									
Naylor	03	0745CST			0	0	50K		Thunderstorm Wind
	Along County Road EE, there was a damage path about 1/4 mile long. Along this path, metal sheds were destroyed, a barn was damaged, and a mobile home was blown off its foundation. On County Road CC, an equipment shed was destroyed.								

Wayne County									
Williamsville to Greenville	03	0820CST			0	0	3K		Thunderstorm Wind (G50)
	Trees were blown down across E Highway outside of Greenville and across A Highway outside of Williamsville.								

Bollinger County									
Glenallen	03	0835CST			0	0			Thunderstorm Wind (G52)
	Spotters estimated gusts to 60 MPH. Some trees were down.								

Perry County									
Altenburg	03	0840CST			0	0	8K		Thunderstorm Wind
	Utility poles were broken, and trees were down on power lines.								

Butler County									
3 W Poplar Bluff	03	0840CST			0	0	15K		Thunderstorm Wind
	A barn was blown down, and trees were down.								

Cape Girardeau County									
Jackson to Shawneetown	03	0850CST			0	0			Thunderstorm Wind (G52)
	Emergency management reported gusts near 60 MPH at Jackson.								

Storm Data and Unusual Weather Phenomena

January 2000

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

Cape Girardeau County

Dutchtown to Cape Girardeau	03	0850CST 0900CST			0	3	250K		Thunderstorm Wind (G83)
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Thunderstorm winds estimated between 90 and 100 MPH affected a small area about one-half mile wide and two miles long. The hardest hit areas were along Highway 74 west of Interstate 55, and in the 1200 block of South Kingshighway in Cape Girardeau. On Highway 74, two mobile homes were destroyed, and four others were badly damaged. A man was inside one of the mobile homes, but he escaped with only minor injuries. Two permanent homes were damaged. The roof of a trucking company at the Interstate 55 exit to Highway 74 was torn off, and a shop area of the business was destroyed. The roof was blown off the business office of a quarry on South Kingshighway. A woman in the quarry office received cuts and scratches. A section of Highway 74 west of I-55 was closed most of the day due to downed power lines. About 5,600 homes in Cape Girardeau County lost power due to the storm.

Mississippi County

7 NE East Prairie	03	0946CST			0	0	5K		Thunderstorm Wind
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Tree limbs and power lines were down.

Scott County

Perkins	03	0946CST			0	0			Thunderstorm Wind (G50)
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Tree limbs were blown down.

Scott County

Sikeston	03	0946CST			0	0	4K		Thunderstorm Wind (G50)
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Tree limbs were down.

Ripley County

Doniphan	03	1208CST 1330CST			0	0			Flash Flood
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Butler County

Neelyville	03	1215CST 1345CST			0	0			Flash Flood
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Scott County

New Hamburg to Sikeston	03	1225CST 1350CST			0	0			Flash Flood
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Stoddard County

Dexter	03	1230CST 1400CST			0	0			Flash Flood
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In Ripley County, flooding occurred along and south of the Little Black River and in Doniphan. Extensive flooding of low-lying areas was reported in Butler and Stoddard Counties. Flooded roads were reported in Butler County, but none of them were impassable. In Scott County, a creek rose out of its banks and flooded Route A between New Hamburg and Sikeston. The flooding was the result of a series of thunderstorms during the previous 12 hours that produced a combined total of 4 to 5 inches of rain.

Mississippi County

Countywide	03	1240CST 1355CST			0	0			Urban/Sml Stream Fld
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New Madrid County

New Madrid	03	1240CST 1345CST			0	0			Urban/Sml Stream Fld
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Slow-moving bands of thunderstorms with torrential downpours brought rainfall totals over 4 inches in most areas. The rainfall total at the Farm Service Agency office at East Prairie for the entire 24-hour event was 7.25 inches. Over an inch per hour fell during the midday hours. In New Madrid, pumps were temporarily overwhelmed, causing streets to flood for about an hour. Across Mississippi County, there was flooding of streets, fields, and drainage ditches.

Stoddard County

Dexter	03	1315CST			0	0	6K		Thunderstorm Wind
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A kennel was destroyed, and trees were down.

MOZ114

New Madrid	22	0400CST 0900CST			0	0			Heavy Snow
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Snow began before sunrise and continued through mid-morning. Snowfall rates were 1 to 2 inches per hour. Total snowfall in the New Madrid area was 4 inches. The snow caused very slick roads and some accidents.

MOZ100-107>110- 114

Wayne - Carter - Ripley - Butler - Stoddard - New Madrid	28	0200CST 0900CST			0	0			Snow
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Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property Damage	Crops	
<u>MONTANA, Central</u>									
MTZ011		Blaine / Chouteau / Hill							
	09	2342MST			0	0			High Wind (G60)
		Chinook 11S.							
MTZ013		Fergus / Judith Basin							
	10	0200MST			0	0			High Wind (G55)
		Valentine...Winifred 30E 53kt at 0400MST.							
MTZ008		Beaverhead							
	10	2200MST			0	0			Winter Storm
	11	1200MST							
		14 inches Wisdom and Jackson...8 inches Dillon 3N.							
MTZ015		Gallatin / Madison							
	10	2200MST			0	0			Winter Storm
	11	1200MST							
		10 inches Big Sky 2WNW...8 inches Virginia City.							
MTZ009		Rocky Mountain Front							
	13	1700MST			0	0			Heavy Snow
	14	1700MST							
		18 inches St Mary...13 inches East Glacier.							
Teton County									
7 W Fairfield	16	1615MST			0	0			Thunderstorm Wind (G70)
Cascade County									
Great Falls	16	1646MST			0	0	30K		Thunderstorm Wind (G57)
		Roof torn off mobile home...trailer tipped over...power outages.							
MTZ011		Blaine / Chouteau / Hill							
	16	1753MST			0	0			High Wind (G56)
		Chinook 11S.							
MTZ013		Fergus / Judith Basin							
	16	1800MST			0	0			High Wind (G62)
		Roy.							
MTZ011		Blaine / Chouteau / Hill							
	27	0200MST			0	0			Heavy Snow
		1800MST							
		11 inches Shonkin 7S.							
<u>MONTANA, East</u>									
		NONE REPORTED.							
<u>MONTANA, South</u>									
MTZ028		Wheatland							
	03	1000MST			0	0			High Wind (G61)
		1600MST							
		Livingston had sustained winds as high as 62 mph as a low pressure center crossed Southern Alberta and combined with high pressure over Utah to produce a strong gradient over the Upper Yellowstone Valley. The winds diminished late in the afternoon as a cold front moved through South Central Montana.							
MTZ028		Wheatland							
	06	1500MST			0	0			High Wind (G66)
	07	0200MST							
		A strong pressure gradient developed over the Upper Yellowstone Valley as a result of a low pressure center crossing Alberta combining with high pressure over the Great Basin. Livingston had gusts as high as 76 mph.							
MTZ028		Wheatland							
	07	1900MST			0	0			High Wind (G68)
	08	1000MST							
		Low pressure crossing Alberta combined with high pressure over Southern Idaho to produce strong pressure gradients over the Upper Yellowstone Valley. Livingston had sustained winds as high as 53 mph and gusts as high as 78 mph.							
MTZ028-032>035-038		Wheatland - Custer - Fallon - Stillwater - Yellowstone - Big Horn							
	09	1500MST			0	0			High Wind (G73)
	10	0700MST							
		A fast moving cold front crossed Southern Montana from the afternoon of the 9th to the early morning of the 10th. Ahead of the							

Storm Data and Unusual Weather Phenomena

January 2000

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

MONTANA, South

front, southwest winds affected the Upper Yellowstone Valley. Winds gusted up to 84 mph in Livingston. Behind the front, strong northwest winds affected the remainder of South Central and southeastern Montana. There were numerous reports of gusts between 60 and 70 mph.

MTZ028-034

Wheatland - Stillwater

10	2300MST	0	0	Heavy Snow
12	0200MST			

Moisture rotating around a Pacific low pressure system produced heavy snow across portions of South Central Montana as the low moved east across Central Wyoming. This system produced 14 inches of snow in Cooke City and Nye, 10 inches in Livingston, 12 inches in Bridger, 11 inches in McLeod, 8 inches in Red Lodge, 7 inches in Big Timber and 6 inches in Columbus, Absarokee and Belfry. There were also numerous reports of 3 to 5 inches in Yellowstone and Big Horn Counties.

MTZ029

Musselshell

22	0900MST	0	0	Heavy Snow
	1700MST			

Moisture associated with an arctic cold front produced 6 inches of snow at Roundup. Several other locations in South Central Montana picked up 2 to 5 inches of snowfall.

MONTANA, West

MTZ001>002-004

Kootenai/Cabinet Region - West Glacier Region - Lower Clark Fork Region

01	1430MST	0	0	Heavy Snow
02	0300MST			

Libby 32 SE- 7 inches of snow
Essex- 8 inches of snow
Bigfork- 10 inches of snow
Stahl Peak- 10 inches of snow
Noisy Basin- 9 inches of snow

MTZ001>002-004-006-043

Kootenai/Cabinet Region - West Glacier Region - Lower Clark Fork Region - Bitterroot / Sapphire Mountains - Blackfoot Region

03	1430MST	0	0	Heavy Snow
04	1500MST			

Flatop Mountain- 10 inches of snow
Stahl Peak- 7 inches of snow
Lookout Pass- 8 inches of snow
North Fork Jocko- 12 inches of snow
Lolo Pass- 11 inches of snow
Seeley Lake- 6 inches of snow
Twin Lakes- 10 inches of snow
Nez Perce Camp- 7 inches of snow
Heron- 6 inches of snow

MTZ004-006

Lower Clark Fork Region - Bitterroot / Sapphire Mountains

08	0600MST	0	0	Heavy Snow
09	0600MST			

Hoodoo Basin- 12 inches of snow
Lolo Pass- 15 inches of snow
Twin Lakes- 15 inches of snow
Nex Perce Camp- 7 inches of snow

MTZ001-004>005

Kootenai/Cabinet Region - Lower Clark Fork Region - Missoula / Bitterroot Valleys

09	1530MST	0	0	High Wind (G52)
	1700MST			

MTZ003

Flathead/Mission Valleys

09	1530MST	0	0	Winter Storm
	1830MST			

In Sanders County wind damage occurred in Thompson Falls and vicinity, where high winds downed trees and power lines. Trees reported downed onto mobile home, house and van. In Mineral County, Sheriff reported roads closed and power lines down due to downed trees, and tree fell onto an apartment. In Flathead County near Big Fork, high wind caused blizzard conditions reported by spotters with wind gusts between 50 mph and 70 mph. In Coram, wind toppled a power pole and left homes without power for almost nine hours. In Lake County near Polson, a roof shed was blown off by strong winds with damage to a truck roof cab. In the Missoula valley wind gusts between 50 mph and 60 mph caused damage to patio roof, downed trees and power outages. 30 miles south of Libby in Lincoln County, a roof was blown off a hay barn with winds in excess of 50 mph.

MTZ006

Bitterroot / Sapphire Mountains

10	2045MST	0	0	Heavy Snow
12	0300MST			

Sula 3 ENE- 8 inches of snow

Storm Data and Unusual Weather Phenomena

January 2000

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

MONTANA, West

Twin Lakes- 11 inches of snow
 Nez Perce Camp- 9 inches of snow
 Darby Ranger Station- 7 inches of snow

MTZ001>002-004-006-043 Kootenai/Cabinet Region - West Glacier Region - Lower Clark Fork Region - Bitterroot / Sapphire Mountains - Blackfoot Region

13	1100MST			0	0				Heavy Snow
14	1800MST								

Hawkins Lake- 8 inches of snow
 Stahl Peak- 11 inches of snow
 Banfield Mountain- 8 inches of snow
 Libby 32 SSE- 8 inches of snow
 Flattop Mountain- 16 inches of snow
 Marias Pass summit- 13 inches snow
 Essex- 15 inches of snow
 Pleasant Valley- 7 inches of snow
 Polbridge- 7 inches of snow
 West Glacier- 17 inches of snow
 Creston- 9 inches of snow
 Swan Lake- 10 inches of snow
 Stuart Mountain- 7 inches of snow
 Lolo Hot Springs- 9 inches of snow
 Twin Lakes- 11 inches of snow

MTZ002

West Glacier Region

16	1800MST			0	0				Heavy Snow
17	1800MST								

Flattop Mountain- 15 inches of snow

NEBRASKA, Central

NONE REPORTED.

NEBRASKA, East

NONE REPORTED.

NEBRASKA, Extreme Northeast

NONE REPORTED.

NEBRASKA, Extreme Southwest

NONE REPORTED.

NEBRASKA, South Central

NEZ061

Buffalo

02	0630CST			0	0	45K	0		Winter Storm
	0730CST								

A mixture of light freezing drizzle and snow invaded parts of south-central Nebraska during the early morning hours of January 3. Most areas received one inch or less of snow. However, the slick road conditions may have played a part in two, separate fatality automobile accidents. One occurred east (3 miles) of Kearney as the driver of a sport utility vehicle lost control. Two people were killed and two others injured in this accident. Another one car accident occurred near Overton, and resulted in the death of the driver.

NEZ060>061-073>076-085>087

Dawson - Buffalo - Phelps - Kearney - Adams - Clay - Webster - Nuckolls - Thayer

23	0600CST			0	0	0	0		Winter Storm
	1300CST								

A narrow swath of 2 to 6 inches of snow fell across south-central Nebraska the morning of January 23. The snow area was only about 30 miles wide, but extended from northern Dawson county to southeast of Hastings, and into parts of northwest Thayer county. Some of the heavier snow amounts included 6 inches at Roseland, and 5 inches at Heartwell, Lawrence and Odessa.

NEZ061-074

Buffalo - Kearney

27	0000CST			0	0	0	0		Winter Storm
28	0000CST								

A quick moving weather system dropped 3 to 4 inches of snow on parts of Kearney and Buffalo counties. The snow, and resulting slick roads, may have played a role in two separate accidents which caused two injuries.

Storm Data and Unusual Weather Phenomena

January 2000

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

NEBRASKA, West

NEZ055

Cheyenne

03	0800MST 1600MST				0	1	50K		Winter Storm
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Icy roads resulted in about a half dozen accidents on Interstate 80 west of Sidney, NE.

NEVADA, North

NVZ031

N Elko Cnty

04	1000PST 2000PST				0	0			Heavy Snow
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Heavy snow was reported across northern Elko County. Some 12 hour snowfall amounts include: 7 inches at Wildhorse, and 5 inches at both Jack Creek Lodge and Tuscarora.

NVZ031

N Elko Cnty

10	0030PST 1700PST				0	0			Heavy Snow
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Heavy snow was reported across northern Elko county. Some snowfall amounts include; 5 inches at Wildhorse; 7 inches at Jarbidge; and 10 inches at the snotel site at Upper Jack Creek.

NVZ030>031

Humboldt - N Elko Cnty

11	0800PST 2000PST				0	0			Heavy Snow
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Heavy snow was reported across portions of Humboldt and northern Elko counties. 12 hour snowfall totals included; 4 inches at Mountain City, 6 inches at Jarbidge, and 15 inches at the snotel site on Granite Peak in northern Humboldt county.

NVZ035

White Pine

21	2130PST				0	0			Fog
22	0500PST								

Dense fog with visibilities less than 1/4 mile was reported in and around the Ely area by law enforcement and surface observations.

NVZ035

White Pine

25	1900PST				0	0			Heavy Snow
26	0700PST								

6 inches of snow was reported by a weather spotter 7 miles south of Ely. A Snotel site on Ward Mountain reported 15 inches of new snow.

NEVADA, South

NONE REPORTED.

NEVADA, West

NVZ003

Greater Reno/Carson City/Minden Area

10	1050PST				0	0	0		High Wind (G50)
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Spotter report of wind gust to 58 mph 6 miles SW of Gardnerville.

NVZ003

Greater Reno/Carson City/Minden Area

10	1150PST				0	0	0		High Wind (G55)
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The National Weather Service office in Reno recorded numerous gusts between 50 and 55 knots.

NVZ003

Greater Reno/Carson City/Minden Area

10	1155PST				0	0	50K		High Wind (G50)
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Nevada Highway Patrol reported a tractor-semitrailer blown over on Interstate 80 near Boomtown.

NVZ003

Greater Reno/Carson City/Minden Area

10	1257PST				0	0	0		High Wind (G50)
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RAWS sensor in Vya recorded wind gusts to 58 mph.

NVZ003

Greater Reno/Carson City/Minden Area

10	1305PST				0	0	150K		High Wind (G50)
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Nevada Highway Patrol reported two tractor-semitrailers blown over in Washoe Valley on highway 395.

NVZ003

Greater Reno/Carson City/Minden Area

10	1350PST				0	0	0		High Wind (G67)
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Spotter report of wind gusts to 77 mph 6 miles SW of Gardnerville.

NVZ003

Greater Reno/Carson City/Minden Area

10	1410PST				0	0	0		High Wind (G60)
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Nevada Department of Transportation automated wind sensor reported wind gust to 60 knots.

Storm Data and Unusual Weather Phenomena

January 2000

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

NEVADA, West

NVZ003	Greater Reno/Carson City/Minden Area								
	11	0400PST				0	0	0	High Wind (G67)
	Spotter report of sustained winds of 48 mph with gusts to 77 mph in SW Reno.								
NVZ003	Greater Reno/Carson City/Minden Area								
	11	0815PST				0	0	0	High Wind (G68)
	Spotter report of sustained winds of 30-45mph with frequent gusts between 55-60 mph and a peak wind gust of 68 mph.								
NVZ003	Greater Reno/Carson City/Minden Area								
	11	0900PST				0	0	0	High Wind (G76)
	An off duty Weather Service employee reported a peak wind gust of 88 mph at 5:26 am.								
NVZ004	Western Nevada Basin And Range								
	11	0915PST				0	0	0	High Wind (G52)
	A remote sensor in Sutcliffe recorded a wind gust of 60 mph.								
NVZ004	Western Nevada Basin And Range								
	11	1030PST				0	0	50K	High Wind (G50)
	Newspaper article reported high winds blew over a tractor-semitrailer on U.S. Highway 95 near Fallon.								
NVZ001	Mineral/Southern Lyon								
	11	1400PST				0	0	5K	High Wind (G50)
	Lyon County Sheriffs Office reported power lines blown down, a metal shed blown over and in Smith Valley a barn door was blown down.								
NVZ003	Greater Reno/Carson City/Minden Area								
	11	1800PST				0	0	2K	High Wind (G50)
	High winds caused power outages for up to 3 hours and some minor property damage in Dayton.								
NVZ003	Greater Reno/Carson City/Minden Area								
	13	1600PST				0	0	0	High Wind (G55)
	Spotter report of wind gusts to 63 mph in South Reno.								
NVZ003	Greater Reno/Carson City/Minden Area								
	13	1945PST				0	0	0	High Wind (G62)
	Spotter report of wind gusts to 71 mph, 5 miles west of Reno.								
NVZ004	Western Nevada Basin And Range								
	19	0400PST				0	0	0	Fog
	Nevada Highway Patrol reported dense fog with visibility of 100 feet between Fernley, Fallon, and Silver Springs.								
NVZ004	Western Nevada Basin And Range								
	20	0835PST				0	0	0	Fog
	Churchill County Sheriffs Office reported dense fog with visibility of 100 feet in Fallon.								
NVZ002	Greater Lake Tahoe Area								
	23	0756PST				0	0	0	Heavy Snow
	24	0756PST							
	Mt. Rose Ski Area reported 14-20 inches of snow in 24 hours with a storm total of 36-40 inches.								

NEW HAMPSHIRE, North and Central

NHZ001>010	Northern Coos - Southern Coos - Northern Grafton - Northern Carroll - Southern Grafton - Southern Carroll - Sullivan - Merrimack - Belknap - Strafford								
	04	0000EST 0800EST				0	0		Mixed Precipitation
	Low pressure moving northeastward across the Great Lakes brought a mixture of precipitation to the state. An inch or two of snow fell across the northern part of the state, while central New Hampshire received sleet and freezing rain before temperatures warmed above freezing and the precipitation changed to rain.								
NHZ001>002	Northern Coos - Southern Coos								
	10	1800EST 2300EST				0	0		Moderate Snowfall
	Snow developed over northern New Hampshire as a low pressure system intensified very rapidly over southern New England and moved rapidly northeastward. About 1 to 5 inches of snow accumulated across Coos County. The southern and central parts of the state received only rain.								
NHZ001>010-013>014	Northern Coos - Southern Coos - Northern Grafton - Northern Carroll - Southern Grafton - Southern Carroll - Sullivan - Merrimack - Belknap - Strafford - Interior Rockingham - Coastal Rockingham								
	13	2100EST				0	0		Extreme Windchill Temperatures
	15	0900EST							

Storm Data and Unusual Weather Phenomena

January 2000

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

Strong winds ushered in cold air as an intense area of low pressure moved east of New England and high pressure built southeastward from southern Canada. The combination of the wind and cold air produced extreme wind chill temperatures across the state. Wind chill temperatures dipped to between -25 and -45 across the state.

NHZ001>004

Northern Coos - Southern Coos - Northern Grafton - Northern Carroll

16	0500EST 1600EST				0	0			Heavy Snow
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NHZ005>006-009>010

Southern Grafton - Southern Carroll - Belknap - Strafford

16	0500EST				0	0			Moderate Snowfall
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Low pressure moving eastward from southern Quebec moved into the Gulf of Maine and intensified rapidly bringing the first major winter storm of the season to much of northern New England. Snowfall amounts ranged from almost a foot in sections of northern Coos County, to 4 to 8 inches across the north-central part of the state, to 3 to 6 inches in the south-central part of the state, to 2 to 4 inches in Sullivan, Merrimack, and Rockingham Counties.

NHZ001>010-013>014

Northern Coos - Southern Coos - Northern Grafton - Northern Carroll - Southern Grafton - Southern Carroll - Sullivan - Merrimack - Belknap - Strafford - Interior Rockingham - Coastal Rockingham

16	1800EST				0	0			Strong Winds
17	1400EST								

Strong and gusty northwest winds developed over the state as low pressure intensified rapidly near Nova Scotia. The winds downed trees and limbs onto power lines causing scattered power outages. Approximately 3500 customers were affected. Peak wind gusts were 49 mph (measured) at Portsmouth, and 46 mph (measured) at Concord.

NHZ001>010-013>014

Northern Coos - Southern Coos - Northern Grafton - Northern Carroll - Southern Grafton - Southern Carroll - Sullivan - Merrimack - Belknap - Strafford - Interior Rockingham - Coastal Rockingham

16	2200EST				0	0			Extreme Windchill Temperatures
18	0600EST								

Low pressure moving eastward from southern Quebec intensified near Nova Scotia, then slowly moved northeastward as high pressure moved eastward from south-central Canada. The pressure gradient between the low and high caused strong, northerly winds to develop over the area bringing in cold air from Canada. The combination of the wind and cold air produced extreme wind chill temperatures across the state. Wind chill temperatures dipped to between -40 and -55 across the state.

NHZ001>010-013>014

Northern Coos - Southern Coos - Northern Grafton - Northern Carroll - Southern Grafton - Southern Carroll - Sullivan - Merrimack - Belknap - Strafford - Interior Rockingham - Coastal Rockingham

21	0700EST 1600EST				1	0			Strong Winds
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Strong, gusty, northwest winds developed over northern New England as a storm intensified rapidly in the Gulf of Maine. Although the strong winds persisted for an extended period of time, no damages were reported. However, the winds were a factor in a fatal, single-vehicle accident near Hebron in Grafton County. Police stated that wind gusts likely blew the vehicle off the road. Peak wind gusts were 46 mph (measured) at Concord and 45 mph (measured) at Portsmouth. M42VE

NHZ014

Coastal Rockingham

21	0930EST 1130EST				0	0			Coastal Flooding
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Minor coastal flooding occurred along the coast as a storm tide combined with an astronomically high tide to push water levels to about a foot above normal. In Portland, Maine, the tide reached about a half foot over the 12 ft. flood level. The surge was caused by an intensifying storm in the Gulf of Maine.

NHZ001>010-013>014

Northern Coos - Southern Coos - Northern Grafton - Northern Carroll - Southern Grafton - Southern Carroll - Sullivan - Merrimack - Belknap - Strafford - Interior Rockingham - Coastal Rockingham

21	1100EST				0	0			Extreme Windchill Temperatures
22	2300EST								

Low pressure in the Gulf of Maine intensified rapidly as it moved slowly northward through the Canadian Maritimes. The pressure gradient between the low and a ridge of high pressure over the central and eastern U.S. caused strong, northerly winds to develop over northern New England, bringing in cold air from Canada. The combination of the wind and cold temperatures produced extreme wind chill temperatures across the state. Wind chill temperatures dipped to between -40 and -50 across much of the northern, central, and southeastern sections of the state.

Storm Data and Unusual Weather Phenomena

January 2000

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

NEW HAMPSHIRE, North and Central

NHZ001>010-013>014 **Northern Coos - Southern Coos - Northern Grafton - Northern Carroll - Southern Grafton - Southern Carroll - Sullivan - Merrimack - Belknap - Strafford - Interior Rockingham - Coastal Rockingham**

25	0800EST				0	0			Heavy Snow
26	0600EST								

A low pressure center intensified just off the Carolina coast on the morning of the 25th, then moved northward to just off the southern Maine coast by the morning of the 26th. The storm brought heavy snow into most of northern New England with the snow changing to mixed precipitation in coastal areas. Snowfall amounts generally ranged from 4 to 8 inches in the northern part of the state to 6 to 12 inches across most of central New Hampshire, to 4 to 8 inches in Rockingham County where the snow changed to sleet and freezing rain.

NHZ001>010-013>014 **Northern Coos - Southern Coos - Northern Grafton - Northern Carroll - Southern Grafton - Southern Carroll - Sullivan - Merrimack - Belknap - Strafford - Interior Rockingham - Coastal Rockingham**

28	0900EST 1800EST				0	0			Extreme Windchill Temperatures
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Low pressure moved slowly northward from just south of Nova Scotia on the morning of the 27th to the Gulf of St. Lawrence by the morning of the 28th. The pressure gradient between the low and an area of high pressure over the upper Mississippi Valley caused strong, northerly winds to develop over northern New England, bringing in cold air from eastern Canada. The combination of the wind and cold temperatures produced extreme wind chill temperatures across the state. Wind chill temperatures dipped to between -25 and -35 across much of the northern, central, and southeastern part of the state.

NHZ001>005-007 **Northern Coos - Southern Coos - Northern Grafton - Northern Carroll - Southern Grafton - Sullivan**

31	0300EST 1100EST				0	0			Heavy Snow
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NHZ006-008>010-013>014 **Southern Carroll - Merrimack - Belknap - Strafford - Interior Rockingham - Coastal Rockingham**

31	0300EST 1100EST				0	0			Moderate Snowfall
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Low pressure moving northeastward along the East Coast brought moderate to heavy snowfall to most of northern New England during the morning of the 31st. The snow mixed with or changed to rain in the southeastern corner of the state. Snowfall amounts generally ranged from 4 to 8 inches across the northern and western part of the state to 3 to 6 inches in the southeastern part of the state.

NEW HAMPSHIRE, Southern

NHZ011>012 **Cheshire - Hillsborough**

13	0600EST 1800EST				0	0			Heavy Snow
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Low pressure passing south of Cape Cod brought the first widespread snowfall of the season to southern New Hampshire. Accumulations in Cheshire and Hillsborough Counties averaged between 4 and 7 inches. Snow began falling during the morning rush hour, causing roads to quickly become iced over. Over 50 accidents were reported, especially in Nashua and on roadways heading toward Boston such as the F.E. Everett Turnpike. A portion of Interstate 93 had to be closed for about two hours after a truck jack-knifed. The storm was followed by a bitterly cold airmass, which produced subzero wind chills.

NHZ012 **Hillsborough**

16	1700EST				0	0			Strong Wind
17	1200EST								

An intensifying low pressure system in the Gulf of Maine brought gusty northwest winds and bitterly cold wind chills to southern New Hampshire. The strongest winds were felt in Hillsborough County, where sustained winds of 25 to 35 mph were observed. A peak wind gust to 47 mph was reported at Manchester Airport.

NHZ011>012 **Cheshire - Hillsborough**

25	0700EST 1800EST				0	0			Heavy Snow
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A winter storm tracking across southeast Massachusetts brought heavy snow to southern New Hampshire. Storm totals of 7 to 13 inches were reported, with the greatest amounts across the higher terrain. Jaffrey and Franconstown both reported 13 inches of snow, followed by 12 inches in New Ipswich, and 11 inches in Rindge and Peterborough. Despite the heavy snow and poor visibility, very few accidents were reported. Less than 30 accidents occurred on major highways in the area, including Interstate 93 and Route 3.

NEW JERSEY, Northeast

NJZ002>006-011 **Western Passaic - Bergen - Eastern Passaic - Essex - Hudson - Union**

17	0000EST				0	0			Extreme Windchill
18	1000EST								

Storm Data and Unusual Weather Phenomena

January 2000

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

NEW JERSEY, Northeast

An arctic cold front swept across the region during Sunday afternoon, January 16th. Strong and gusty northwest winds combined with well below normal temperatures and produced extremely low wind chill values mainly from midnight to 10 am on January 17th and from 1 am to 10 am on January 18th.

On January 17th, wind speeds from 15 to 20 mph combined with temperatures from 5 to 10 degrees above 0, produced wind chill values from 15 to around 20 degrees below 0 in urban areas such as Newark and from 20 to 30 degrees below 0 across suburban and rural areas.

On January 18th, wind speeds averaging 15 mph combined with temperatures from 0 to 5 above zero, produced wind chill values from 20 to 30 degrees below 0 in urban areas and from 30 to 35 degrees below 0 in rural areas.

NJZ002>006-011

Western Passaic - Bergen - Eastern Passaic - Essex - Hudson - Union

21	1400EST 2000EST				0	0		Extreme Windchill
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The combination of a quickly intensifying low pressure system off the New England Coast and a strong high pressure system west of the Great Lakes caused strong and gusty northwest winds. Northwest winds averaged 25 to 35 mph with gusts from 40 mph at Teterboro Airport to 47 mph at Harrison from around 2 pm to 8 pm. As temperatures fell to around 10 degrees, wind chill values plummeted from 20 to 30 degrees below zero along the coast and to 25 to 35 degrees below zero inland.

NJZ002>006-011

Western Passaic - Bergen - Eastern Passaic - Essex - Hudson - Union

25	0830EST 1915EST				0	0		Winter Storm
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A strong low pressure system (Nor'easter) moved north to northeast, passing just east of Montauk Point before Midnight on January 25th.

Snow developed between 4 and 5 am along the immediate coast and spread rapidly north during the morning rush hour. Snowfall rates up to 2 inches per hour occurred during the peak of the morning rush hour. White-out conditions caused massive traffic interruptions. Snowfall during the morning commute ranged from around 2 inches at Elizabeth in Union County to around 6 inches at Teterboro Airport in Bergen County. As warm air in the lower levels wrapped around this storm, snow changed to freezing rain and sleet, which continued from mid-morning through late afternoon. As the low approached Long Island during the evening, bands of moderate to heavy snow rotated northwest around the low.

Here are selected snowfall amounts from this storm for:

Passaic County: from 6.5 inches at Clifton to 8 inches at West Milford.

Bergen County: from 6 inches at Rutherford, Teterboro, Hasbrouck Heights, and Fairlawn to 6.5 inches at Lyndhurst.

Essex County: from 5.5 inches at Newark Airport to 6.1 inches at Nutley.

Hudson County: from 4.5 inches at Jersey City to 6 inches at Secaucus.

Union County: 6.2 inches was measured at Elizabeth.

This low was preceded by strong northeast winds that gusted from 40 to 45 mph.

NJZ002>006-011

Western Passaic - Bergen - Eastern Passaic - Essex - Hudson - Union

27	1800EST				0	0		Extreme Windchill
28	1000EST							

Strong and gusty northwest winds combined with well below normal temperatures and produced extremely low wind chill values.

Wind chill values ranged from 20 to around 30 degrees below zero, as follows:

At Caldwell Airport in Essex County, the lowest wind chill of 27 degrees below zero occurred around 7 am on the 28th when the temperature was 9 degrees above zero and the wind speed was 22 mph. The lowest wind chill at Newark Airport was around 20 degrees below zero.

At Teterboro Airport in Bergen County, the lowest wind chill of 23 degrees below zero occurred around 7 pm on the 27th when the temperature was 14 degrees above zero and the wind speed was 26 mph.

Storm Data and Unusual Weather Phenomena

January 2000

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

NEW JERSEY, South and Northwest

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

02	1000EST								
04	1800EST			0	0				Unseasonably Warm

A large high pressure system at the surface and in higher levels of the atmosphere over the western Atlantic Ocean continued the flow of mild and unseasonably warm air into the Middle Atlantic States. High temperatures were mostly in the 60s on the 2nd and 3rd and reached as warm as 70 degrees on the 4th. Daily high temperature records were set on the 2nd (66 degrees) and on the 3rd (67 degrees) at the Atlantic City International Airport and on the 3rd (59 degrees) at the Marina within Atlantic City. Due to higher historical records, in spite of the fact that the 4th was the warmest day during this spell inland, no new daily temperature records were set that day. A backdoor cold front tried to move south through New Jersey the night of the 2nd, but the strong ridge prevented its southward progress. A stronger cold frontal passage late in the afternoon on the 4th brought an end to the unseasonably warm weather. The highest temperatures (mainly on the 4th) included 70 degrees in Mount Holly and Lumberton (Burlington County), 69 degrees in Estell Manor (Atlantic County), 68 degrees in Somerdale (Camden County), Pennsauken (Camden County) and Trenton (Mercer County), 67 degrees at the Atlantic City International Airport in Pomona, Seabrook (Cumberland County) and Somerville (Somerset County), 66 degrees in Phillipsburg (Warren County), Millville (Cumberland County) and Wildwood (Cape May County), 64 degrees in Belmar (Monmouth County), 62 degrees in Andover (Sussex County) and 60 degrees at the Marina within Atlantic City.

NJZ001 **Sussex**

11	0600EST								
	1600EST			0	0				Snow

A weak Alberta low brought the first widespread measurable snow to Sussex County of the winter season. Accumulations though were on the light side and ranged from less than an inch in the valleys to around three inches over the higher terrain. Untreated roads were slippery. Accumulations included 2.9 inches in Highland Lakes, 2.8 inches in Sussex, 2.3 inches in High Point and 2.1 inches in Wantage.

NJZ001-007>010-012>016-018>020-022>026 **Sussex - Warren - Morris - Hunterdon - Somerset - Middlesex - Western Monmouth - Eastern Monmouth - Mercer - Salem - Camden - Burlington - Western Ocean - Western Atlantic - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean**

11	1100EST								
	1300EST			0	0				Wind

NJZ017-021 **Gloucester - Cumberland**

11	1130EST								
	1300EST			0	0				High Wind (G54)

A strong cold front produced damaging wind gusts in Cumberland and Gloucester Counties and wind gusts as strong as 56 mph elsewhere in New Jersey as it moved through the state around Noon EST on the 11th. In Cumberland County, a SKYWARN Spotter reported a wind gust of 62 mph. In Gloucester County, in Greenwich Township, several trees were knocked down. One house was damaged. Peak wind gusts included 56 mph at the Atlantic City International Airport, 47 mph in Millville (Cumberland County), 46 mph in Belmar (Monmouth County), 43 mph in Lumberton (Burlington County) and Trenton (Mercer County), 41 mph in Lakehurst (Ocean County), 40 mph in Morristown (Morris County) and 39 mph in Wildwood (Cape May County).

NJZ016>018 **Salem - Gloucester - Camden**

11	1600EST								
	1730EST			0	0				High Wind (G55)

NJZ009>010-012>015-022>025 **Hunterdon - Somerset - Middlesex - Western Monmouth - Eastern Monmouth - Mercer - Western Atlantic - Western Cape May - Eastern Cape May - Eastern Atlantic**

11	1630EST								
	1900EST			0	0				Wind

Burlington County

	Marlton								
11	1701EST			0	0	0			Thunderstorm Wind (G50)

Burlington County

	Medford to Pemberton								
11	1710EST 1730EST			0	0				Thunderstorm Wind (G50)

Ocean County

	Island Hgts								
11	1740EST			0	0				Thunderstorm Wind (G50)

An upper air disturbance moved through New Jersey late in the day on the 11th. It triggered showers and a few thunderstorms and produced a second round of strong and in some instances damaging winds. High winds accompanied the showers in southwest New Jersey. Enough instability existed for the showers to intensify into severe thunderstorms as the precipitation moved across Burlington and Ocean Counties. Elsewhere in the state, peak wind gusts were generally a little weaker with this second round and averaged around 40 mph.

In Burlington County, the severe thunderstorm knocked down trees, limbs and wires in Evesham, Lumberton, Mansfield, Medford,

Storm Data and Unusual Weather Phenomena

January 2000

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

NEW JERSEY, South and Northwest

Pemberton, Southampton and Springfield Townships. In Ocean County, scattered trees and wires were knocked down throughout the county. The worst reported damage occurred in Toms River and Island Heights Borough. High winds knocked down trees in Swedesboro Borough (Gloucester County) and Voorhees Township (Camden County). No serious injuries were reported.

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

16	2100EST								
	2300EST			0	0				Wind

A strong cold front moved through New Jersey late in the afternoon on the 16th. This cold frontal passage initiated the coldest three week period of the winter season. As the cold air continued to barrel into the area Sunday evening, wind gusts reached to around 45 mph, especially in the northern and central part of the state. Trees limbs were knocked down on wires in Delaware Township in Hunterdon County.

NJZ001-007>010-012>015-017>018 **Sussex - Warren - Morris - Hunterdon - Somerset - Middlesex - Western Monmouth - Eastern Monmouth - Mercer - Gloucester - Camden**

20	0500EST								
	0100EST			0	0				Snow

NJZ016-019>026 **Salem - Burlington - Western Ocean - Cumberland - Western Atlantic - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean**

20	0500EST								
	0100EST			0	0				Heavy Snow

A pair of low pressure systems, one that moved from the Northern Plains into western Pennsylvania before dissipating and a second one that developed near Wilmington, North Carolina the morning of the 20th produced a steady, heavy snow across the southeast part of New Jersey. This was the first widespread accumulating snow of the winter season. The low intensified, but moved offshore to the eastnortheast relatively quickly. This prevented substantial accumulations from occurring and also stopped heavy snow from spreading farther northwest into the state. Accumulations were 3 to 6 inches to the southeast of the New Jersey Turnpike and generally 1 to 3 inches across the rest of the state.

Snow spread across the state between 5 a.m. and 8 a.m. EST on the 20th and fell at a steady rate throughout the day. The snow ended from the northwest part to the southeast part of the state during the evening, but took until a little after midnight to clear the southeast coast. The first snow of the season caused numerous accidents, over 100 accidents alone were reported in Middlesex County. Within Middlesex County, in Edison, a bus driver suffered serious injuries in a three vehicle crash that caused major traffic backups. In Ocean County, the southbound Garden State Parkway was closed from 7 a.m. through 330 p.m. EST after a tanker truck overturned and spilled fuel onto the roadway.

Accumulations included (going from southeast to northwest in the state): in Cape May County, 5 inches in Ocean City, 4.8 inches in Cape May City and Wildwood; in Atlantic County, 6 inches in Margate and 5 inches in Egg Harbor Township and Estell Manor; in Cumberland County, 5 inches in Millville and Bridgeton; in Salem County, 5.5 inches in Salem; in Gloucester County 3.5 inches in Swedesboro and 3.3 inches in Verga; in Camden County 4 inches in Cherry Hill and 3.9 inches in Somerdale; in Burlington County 5 inches in Tabernacle and the McGurie AFB, 4.7 inches in Mount Laurel and 3.6 inches in Maple Shade; in Ocean County 5.8 inches in Manahawkin and 3.5 inches in Toms River; in Mercer County 3.5 inches in Hightstown and 2.8 inches in Princeton; in Monmouth County 4 inches in Howell and 3 inches in Manasquan and Marlboro; in Middlesex County 3 inches in Woodbridge and Milltown; in Somerset County 2.7 inches in Somerville and 2.6 inches in Basking Ridge; in Hunterdon County 3.1 inches in Flemington and 2.7 inches in Califon; in Morris County 3.5 inches in Rockaway and 3 inches in Whippany and Long Valley; in Warren County 2.2 inches in Phillipsburg and 2 inches in Belvidere and in Sussex County 3 inches in Stockholm, 2.2 inches in Wantage and 2 inches in Sussex.

NJZ013>014-020-022>026 **Western Monmouth - Eastern Monmouth - Western Ocean - Western Atlantic - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean**

23	2100EST								
	0300EST			0	0				Freezing Drizzle

A weak low pressure system moved off the Middle Atlantic Coast on the 23rd. Winds around this low remained from the north to northeast the night of the 23rd. This left enough low level moisture for precipitation to fall as freezing drizzle during the second half of the evening of the 23rd into the early morning of the 24th along coastal New Jersey. Enough cold air moved in by the morning of the 24th to change the precipitation over to flurries. Slippery conditions existed overnight, especially on untreated roadways. Galloway Township Police (Atlantic County) reported three auto accidents due to the ice.

NJZ009>010-012>026 **Hunterdon - Somerset - Middlesex - Western Monmouth - Eastern Monmouth - Mercer - Salem - Gloucester - Camden - Burlington - Western Ocean - Cumberland - Western Atlantic - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean**

25	0200EST								
	0000EST			0	0				Winter Storm

Storm Data and Unusual Weather Phenomena

January 2000

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

NEW JERSEY, South and Northwest

NJZ001-007>008	Sussex - Warren - Morris								
	25	0600EST			0	0			Heavy Snow
	26	0000EST							
NJZ012>014-020-026	Middlesex - Western Monmouth - Eastern Monmouth - Western Ocean - Eastern Ocean								
	25	0700EST 1900EST			0	0			High Wind (G50)
NJZ014-023>026	Eastern Monmouth - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean								
	25	0900EST 1500EST			0	0			Coastal Flooding

The most intense winter storm since the Blizzard of 1996 buried New Jersey on the 25th with 6 to 15 inches of snow, sleet and freezing rain, wind gusts as strong as 60 mph along the shore, moderate coastal flooding and drifts as high as four feet. For the first time since 1996 county and government offices were closed. Many businesses and all schools were closed. Many malls never opened and all the others closed early. Dozens of public events were postponed. Both the Millville Airport and the Atlantic City International Airport were shut down. Many schools were also closed the next day (the 26th). Scores of vehicles slid off roadways. At least one man died of a heart attack after shoveling the snow. Strong onshore winds gusted up to 60 mph, downed power lines and caused about 3,100 homes and businesses to lose power. Motorists crashing into poles caused outages to another 1,100 homes and businesses in northern New Jersey. Service on the Cape May-Lewes Ferry was suspended. The rough onshore winds caused moderate tidal flooding at the time of the midday high tide on the 25th.

The snow began with a vengeance between 2 a.m. and 7 a.m. EST across the state. It began in Cape May County and spread northwestward. Snowfall rates of around 2 inches per hour were common during the first couple of hours during this storm. By 6 a.m. EST, some locations already had 4 inches of new snow on the ground. After 6 a.m. EST, as warmer air came in above the ground and the precipitation intensity slackened, the snow began mixing with and changing over to sleet and freezing rain in the central and southern part of the state. Snow continued across northwest New Jersey, but its intensity was lighter during the late morning and afternoon hours. Central and Southern New Jersey spent most of the daylight hours in the storm's "dry slot" - an area of lighter precipitation. Even so, mid morning accumulations of 5 inches were common along the New Jersey shore. As colder air became more deeply entrenched across the state after 3 p.m. EST, the wintry mix started to change to sleet and then snow by the early evening of the 25th. The change to snow coincided with one last band of heavier snow that affected New Jersey during the evening of the 25th. The snow ended around Midnight EST on the 26th.

The winter storm caused numerous accidents around the region. In Hoptacong (Sussex County), a pedestrian was injured by a vehicle. In Warren County, a tractor trailer jackknifed on Interstate 80 and backed up traffic in both directions for two hours. Interstates 78 and 287 became "spinout alleys" in Hunterdon, Somerset and Morris Counties. In Middlesex County, a 35-year-old male was killed on County Route 522 when he lost control of van and collided head-on with a tractor trailer. A four vehicle accident closed down busy New Jersey State Route 18 during the evening rush hour. In Monmouth County on the 26th, a 58-year-old man suffered a heart attack and died after shoveling his car out in Upper Freehold Township. In Gloucester County, a tractor trailer overturned in Harrison Township. In Atlantic County, two New Jersey Transit buses became stranded on the Atlantic City Expressway. One skidded onto a median and the other became stuck after stopping for assistance. In Cumberland County, many vehicles skidded off New Jersey State Route 55.

About 4,200 homes and businesses lost power throughout the state. Most were along the shore as high winds took down power lines. In Middlesex County, the winds took down power lines on United States Route 1 in Edison. The worst wind damage occurred on the New Jersey State Route 72 Causeway between Long Beach Island and Stafford Township in Ocean County. The roadway was closed for 90 minutes around midday when two utility poles cracked and caused their wires to fall onto the westbound lanes. Downed wires caused outages to about 2,500 homes in Surf City. Other outages occurred on Mystic Islands. Another pole was knocked down on the mainland in Stafford Township. The strong onshore winds also produced moderate tidal flooding at the times of the midday high tide on the 25th as well as some beach erosion. In Monmouth County coastal flooding was reported in Long Branch, Manasquan, Neptune and Union Beach. In Atlantic County, there was a long list of bayside roads flooded from Brigantine to Somers Point. In Atlantic City, both the Black (U.S. Route 40 and 322) and White (U.S. Route 30) Horse Pikes were closed. The Beesleys Point Bridge connecting Somers Point and Upper Township (in Cape May County) was under 1.5 feet of water and closed. In Cape May County, flooding forced the closure of the 9th Street Bridge and Causeway in Ocean City. Flooding was also reported along 34th Street. Dozens of motorists were rescued from flooded streets. In Stratmere, the ocean met the bay as the oceanfront dunes collapsed. In Wildwood, the New Jersey State Route 147 and the George Redding Bridges were closed. The worst flooding in Wildwood was on the west (bay) side of the township. North Wildwood declared a state of emergency because of the tidal flooding. The worst flooding was in the Angelsea section of North Wildwood. Three families near Delaware Avenue were evacuated. In Cape May City minor tidal flooding was reported at the foot of Yacht and Washington Avenue and Elmira Street. The high tide at Sandy Hook peaked at 7.7 feet above mean lower low water at 1254 p.m. EST on the 25th. The high tide at Atlantic City also peaked at 7.7 feet above mean lower low water at 1212 p.m. EST on the 25th. The high tide at the Cape May/Lewes Terminal peaked at 8.2 feet above mean lower low water at 1130 a.m. EST on the 25th and peaked at 8.5 feet above mean lower low water at 1201 p.m. EST on the 25th. Moderate tidal flooding starts at 7.7 feet above mean lower low water.

Total Accumulations included (going from the northwest to southeast across the state): in Sussex County 15 inches in High Point,

Storm Data and Unusual Weather Phenomena

January 2000

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

NEW JERSEY, South and Northwest

14.7 inches in Culver Lake, 13.5 inches in Wantage, 9.5 inches in Sparta and 8 inches in Sussex; in Warren County 12 inches in Phillipsburg and 11 inches in Allamuchy; in Morris County 12 inches in Oak Ridge, 11 inches in Long Valley, 9 inches in Whippany and Rockaway and 6 inches in Madison; in Hunterdon County 13 inches in White House Station, 11.5 inches in Califon and 10 inches in Flemington and Wertsville; in Somerset County 10.5 inches in Neshanic, 10 inches in Pottersville and 9 inches in Branchburg and Somerville, in Middlesex County 6 inches in New Brunswick and Woodbridge, in Monmouth County 7 inches in Ocean Grove and Manasquan, 6 inches in Howell and Union Beach; in Mercer County 10 inches in Washington's Crossing, 8 inches in Princeton and Hightstown; in Burlington County 13 inches in Moorestown, 10 inches in Lumberton and Marlton, 9 inches in Mount Laurel and 7 inches in Bordentown; in Ocean County 10 inches in Brick, 9 inches in Brant Beach and 8 inches in Jackson; in Camden County 14 inches in Gloucester City, 11 inches in Somerdale, 10 inches in Pennsauken and 8 inches in Cherry Hill; in Gloucester County 13 inches in Sewell and Mullica Hill, 11.5 inches in Swedesboro; in Salem County 10.3 inches in Deepwater; in Cumberland County 9 inches in Seabrook, 8 inches in Millville and 7 inches in Vineland; in Atlantic County 10 inches in Pomona, 9 inches in Estell Manor and 8.3 inches at the Atlantic City International Airport and in Cape May County 10 inches in North Wildwood, 8.5 inches in Cape May City and 8 inches in Cape May Courthouse.

The low pressure system responsible for the winter storm began as a weak low pressure system on a stationary front in southern Texas on the 23rd. By the morning of the 24th, it was located in the northeastern Gulf of Mexico near Apalachicola, Florida. Initial projections were for this storm system to stay far enough offshore for the heaviest precipitation to fall over the ocean and a more significant storm was expected on Wednesday the 26th. But, by Monday evening the 24th, it became apparent that the storm would not safely go out to sea. In fact, it was intensifying and hugging the South Atlantic Coast. By 7 a.m. EST on the 25th, it was about a 980 millibar low just northeast of Cape Hatteras. The storm's greatest intensification was over, but it moved northeast near the Atlantic Seaboard, instead of eastnortheast as was originally expected. At 7 p.m. EST, the storm was about a 975 millibar low located about 80 miles east of Long Beach Island, New Jersey. It proceeded to move northeast and weaken and at 7 a.m. EST on the 26th, it was a 988 millibar low just east of Portland Maine. This storm system pushed the cold front well offshore. The third low that did develop on Wednesday the 26th was too far offshore to affect the region other than reinforcing the preexisting cold northwest flow.

Warren - Morris - Hunterdon - Somerset - Mercer - Salem - Gloucester - Camden - Burlington

NJZ007>010-015>019

30	1600EST	0	0	Winter Storm
31	0200EST			

NJZ012>013

Middlesex - Western Monmouth

30	1700EST	0	0	Wintry Mix
	2000EST			

NJZ001

Sussex

30	2100EST	0	0	Heavy Snow
31	0300EST			

A low pressure system developed in the western Gulf of Mexico during the day on the 28th. It slowly moved eastnortheast and by Sunday morning the 30th was located near Apalachicola Florida, not too far from the location of the January 25th storm. Unlike the previous storm, this one tracked farther to the west and moved northeast along the Atlantic Seaboard. By the morning of the 31st, it was located near Boston, Massachusetts. There was less cold air present at the start of the storm, especially along the coastal plain. Most of it was in the lowest layers of the atmosphere. This led to the more typical potpourri of weather across New Jersey with primarily rain in the southeast part of the state and heavy snow in the northwest part of the state.

Precipitation started during the afternoon as snow throughout most of the state. Along the coast and in the southeast part of the state enough warm air was already present for precipitation to just briefly start as either sleet or rain before changing to rain. By early evening precipitation had changed to sleet and freezing rain across the southwest part of the state, but still falling as snow in the west central and northwest part of the state. By 9 p.m. EST enough warm air had moved into the southwest part of the state to change the precipitation to plain rain. Meanwhile at that time a transition to sleet and freezing rain was occurring in the west central and northwest part of the state. The cold air was deep enough in Sussex County for precipitation to continue to fall as mainly snow. By 10 p.m. EST sleet had made it as far north as Warren County. Precipitation ended from south to north from midnight through 3 a.m. EST on the 31st. Temperatures never made it above freezing in the northwest part of the state. Accumulations were highest in the northwest part of the state where precipitation fell as snow the longest. The greatest accretion of ice, around one-quarter of an inch, occurred in townships along the Delaware River from Salem County to Mercer County. The ice brought down a couple of power lines and caused isolated outages. Untreated roadways were very treacherous and high traffic volume due to Super Bowl Sunday exacerbated the problems.

Snowfall accumulations of an inch or more included: in Sussex County 8.5 inches in Stillwater, 7.5 inches in High Point, 7 inches in Highland Lakes, 6.5 inches in Wantage and 6 inches in Sparta; in Warren County 8 inches in Belvidere and 7 inches in Blairstown; in Morris County 5.5 inches in Marcella, 5 inches in Long Valley and 4.5 inches in Morristown; in Hunterdon County 6 inches in Reigelsville, 5 inches in Bloomsbury and 4 inches in White House Station; in Somerset County 2 inches in Somerville, in Middlesex County, 1.8 inches in New Brunswick and in Mercer County 1.5 inches in Hamilton Square.

Storm Data and Unusual Weather Phenomena

January 2000

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

NMZ001>021-026 Northwest Plateau - Northwest Mountains Including Jemez - Upper Rio Grande Valley - Sangre De Cristo Mountains - Northeast Highlands - Harding - Far Northeast Plains - Westcentral Mountains - Middle Rio Grande Valley - Sandia/Manzano Mountains - Central High Plains/Estancia Valley County - Conchas Lake/Guadalupe - Quay - Southwest Mountains/Upper Gila Region - Lower Rio Grande Valley - Lincoln County High Plains/Hondo Valley - Capitan/Northern Sacramento Mountains - De Baca - Chaves County Plains - Roosevelt - Curry - Guadalupe Mountains Of Chaves County

01	0001MST				0	0			Drought
31	2359MST								

Despite a few winter storms during the month, January was unusually warm and dry across all of north and central New Mexico. A lack of fresh natural snow and difficult snow making weather hampered the state's ski industry forcing early closure of one resort while most others struggled with a limited number of open runs. Warm temperatures peaked during the period from the 10th through the 18th with a number of record daily high temperatures. It was common to have overnight lows just a few degrees below the normal daily high temperatures. Reservoir storage remains good, but light snow pack or an absence of snow has created early fire danger concerns across the state.

NMZ002-004>007 Northwest Mountains Including Jemez - Sangre De Cristo Mountains - Northeast Highlands - Harding - Far Northeast Plains

26	1500MST				0	0			Heavy Snow
27	1200MST								

Heavy snow developed from the north central mountains eastward into the far northeast plains. Chama reported 10 to 12 inches of wet snow which downed power lines and tree limbs causing electrical outages lasting nearly 24 hours. Satellite trends and local observations indicated a 4 inch blanket across Mora County and north and northeast to Raton and Clayton. Ski areas of Taos County received a welcome 12 to 15 inches of fresh powder.

NEW MEXICO, South Central and Southwest

NONE REPORTED.

NEW MEXICO, Southeast

NMZ027 Guadalupe Mountains Of Eddy County

03	0800MST				0	0			High Wind (G57)
	1430MST								

NEW YORK, Central

NYZ018 Onondaga

04	1135EST				0	0			High Wind (G50)
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A line of showers associated with a strong cold front produced gusty winds that blew branches and wires down near Skaneateles and Otisco Lake.

NYZ015>018-022>025-036>037-044>046-055>057-062 Yates - Seneca - Southern Cayuga - Onondaga - Steuben - Schuyler - Chemung - Tompkins - Madison - Southern Oneida - Cortland - Chenango - Otsego - Tioga - Broome - Delaware - Sullivan

12	2300EST				0	0			Heavy Snow
13	1500EST								

A low pressure system tracked across Ohio into Maryland late on the 12th spreading snow into Central New York. The low then tracked off the mid-Atlantic coast during the day of the 13th. Snow continued across the region during the morning of the 13th before tapering off to a few flurries during the afternoon. The heaviest snow (5 to 8 inches) fell over the Finger Lakes, Central Southern Tier, Susquehanna Region and Western Catskills. Lesser amounts (2 to 5 inches) of snow fell over the Mohawk Valley. Many automobile accidents were reported throughout the region, but none were serious. Numerous schools closed.

NYZ009-015>018-022>025-036>037-044>046-055>057-062 Northern Oneida - Yates - Seneca - Southern Cayuga - Onondaga - Steuben - Schuyler - Chemung - Tompkins - Madison - Southern Oneida - Cortland - Chenango - Otsego - Tioga - Broome - Delaware - Sullivan

20	0200EST				0	0			Heavy Snow
21	1200EST								

A low pressure system formed during the early morning hours of Thursday the 20th off the mid-Atlantic coast. The low intensified rapidly as it moved northeast during the day and was located off the Delaware coast by evening. Snow overspread central New York after midnight on the 20th and continued throughout the day. Cold northwest winds behind the low generated lake effect snow showers Thursday night into Friday. The town of Aurelius in Cayuga county picked up 8 inches of new snow while Avoca in Steuben county received 7 inches. Generally, 6 to 7 inches fell in Oneida, Chemung and Madison counties with 2 to 5 inches elsewhere.

Storm Data and Unusual Weather Phenomena

January 2000

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

NYZ009-015>018-022>025-036>037-044>046-055>057-062 **Northern Oneida - Yates - Seneca - Southern Cayuga - Onondaga - Steuben - Schuyler - Chemung - Tompkins - Madison - Southern Oneida - Cortland - Chenango - Otsego - Tioga - Broome - Delaware - Sullivan**

Scores of motor vehicle accidents were reported, including one fatality. There were also a number of school closings.

25	0500EST								
26	0800EST				0	0			Heavy Snow

A major winter storm impacted central New York from Tuesday the 25th of January until early Wednesday the 26th. Low pressure rapidly developed and tracked up the mid-Atlantic coast on Tuesday, reaching just off the tip of Long Island by evening. The storm then moved along the New England coast into the Canadian Maritimes on Wednesday. Heavy snow spread into the western Catskills early Tuesday morning and across the rest of central New York by midday Tuesday. The snow continued heavy at times into the evening hours, before tapering off to snow showers Tuesday night and early Wednesday. Gusty north winds led to considerable blowing and drifting of the snow over the entire area. Total snowfall ranged from 10 to 15 inches over the western Catskills to 5 to 12 inches across the Susquehanna region, western Mohawk Valley and a portion of the Finger Lakes region and central southern tier. Only 3 to 6 inches of snow was reported in Yates, Seneca, Steuben and northern Oneida counties. The storm was blamed for two highway deaths.

NYZ009-015>018-022>025-036>037-044>046-055>057-062 **Northern Oneida - Yates - Seneca - Southern Cayuga - Onondaga - Steuben - Schuyler - Chemung - Tompkins - Madison - Southern Oneida - Cortland - Chenango - Otsego - Tioga - Broome - Delaware - Sullivan**

30	2200EST								
31	1400EST				0	0			Heavy Snow

Low pressure organized over the North Carolina coast Sunday evening the 30th and tracked north up the eastern seaboard to southern New England by Monday morning the 31st. The low moved into the Canadian Maritimes by Monday evening. Heavy snow spread into the western Catskills Sunday evening and into central New York state during the early morning hours Monday. The snow tapered off during the late morning and early afternoon hours Monday across the area. Snowfall rates reached up to 2 inches per hour at times over the western Catskills where the highest snowfall amounts occurred. Snowfall totals ranged from 12 to 18 inches across the western Catskills, to between 6 and 12 inches across the Susquehanna region of New York. The western Mohawk Valley, central Southern Tier, and Finger Lakes region of central New York saw between 3 and 8 inches of snowfall. This snowstorm concluded a very snowy month in the Susquehanna Region and Western Catskills. At the Binghamton Regional Airport, 36.3 inches of snow fell in the month of January which was the 5th snowiest January on record.

NEW YORK, Coastal

NYZ067>081 **Orange - Putnam - Rockland - Northern Westchester - Southern Westchester - New York (Manhattan) - Bronx - Richmond (Staten Is.) - Kings (Brooklyn) - Queens - Nassau - Northwest Suffolk - Northeast Suffolk - Southwest Suffolk - Southeast Suffolk**

17	0000EST								
18	1200EST				3	0			Extreme Windchill

An arctic cold front swept across the region during Sunday afternoon, January 16th. Strong and gusty northwest winds combined with well below normal temperatures and produced extremely low wind chill values mainly from midnight to 10 am on January 17th and from 1 am to noon on January 18th.

On January 17th, wind speeds from 15 to 20 mph combined with temperatures from 5 to 10 degrees above 0, produced wind chill values from 15 to around 20 degrees below 0 in New York City and from 20 to 30 degrees below 0 across the Lower Hudson Valley.

On January 18th, wind speeds averaging 15 mph combined with temperatures from 0 to 5 above zero, produced wind chill values from 20 degrees below 0 at Central Park to 30 degrees below 0 at LaGuardia Airport. Wind chills across the Lower Hudson Valley were 30 to 35 degrees below 0.

All 3 people in New York City died from exposure to extremely low wind chill values and extremely cold temperatures, as follows:

- o A homeless man from Sheepshead Bay in Brooklyn was found dead outdoors.
- o A homeless man from Queens was found dead in a car.
- o A woman was found dead on the roof of a hospital. She wandered outdoors and was found near a door which led to the roof. F75LS, M?VE, M?OU

Storm Data and Unusual Weather Phenomena

January 2000

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

NYZ067>081	Orange - Putnam - Rockland - Northern Westchester - Southern Westchester - New York (Manhattan) - Bronx - Richmond (Staten Is.) - Kings (Brooklyn) - Queens - Nassau - Northwest Suffolk - Northeast Suffolk - Southwest Suffolk - Southeast Suffolk								
	21	1400EST 2000EST			0	0			Extreme Windchill

The combination of a quickly intensifying low pressure system off the New England Coast and a strong high pressure system west of the Great Lakes caused strong and gusty northwest winds. Northwest winds averaged 25 to 35 mph with gusts from 38 mph at Montgomery Airport in Orange County to 52 mph at LaGuardia Airport from around 2 pm to 8 pm. As temperatures fell to around 10 degrees, wind chill values plummeted from 20 to 30 degrees below zero along the coast and to 25 to 35 degrees below zero inland.

NYZ068>081	Putnam - Rockland - Northern Westchester - Southern Westchester - New York (Manhattan) - Bronx - Richmond (Staten Is.) - Kings (Brooklyn) - Queens - Nassau - Northwest Suffolk - Northeast Suffolk - Southwest Suffolk - Southeast Suffolk								
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	25	0945EST 2130EST			0	0			Winter Storm
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NYZ067	Orange								
	25	1000EST			0	0			Heavy Snow

A strong low pressure system (Nor'easter) moved north to northeast, passing just east of Montauk Point before Midnight on January 25th.

Snow developed between 4 and 5 am along the immediate coast and spread rapidly north during the morning rush hour. Snowfall rates up to 2 inches per hour occurred during the peak of the morning rush hour. White-out conditions caused massive traffic interruptions. Snowfall during the morning commute ranged from less than 2 inches at Montauk Point to around 6 inches across parts of Manhattan and Brooklyn. As warm air in the lower levels wrapped around this storm, snow changed to freezing rain and sleet. From mid-morning through late afternoon, light freezing rain fell along the coast with a mixture of freezing rain and sleet inland, except for just snow across Western Orange County. As the low approached Long Island, bands of moderate to heavy precipitation rotated northwest around the low. Around 1/4-inch thick ice coated trees, which caused limbs to snap off from Eastern Nassau County east across all of Suffolk County. Bands of heavy snow fell across the Lower Hudson Valley, New York City, and Western Nassau County during the evening.

Here are selected snowfall amounts from this storm for:

Manhattan: from 5.5 inches at Central Park to 6 inches at Columbia University.

Bronx: around 6 inches county-wide.

Staten Island: around 6 inches at Richmond.

Brooklyn: from 5.6 inches at Graves End to 6 inches at Bayridge.

Queens: from 6 inches at LaGuardia Airport to 6.4 inches at JFK Airport.

Orange County: from 8 inches at Gardinerville to 12 inches at both Port Jervis and Chester.

Putnam County: from 7 inches at Croton Falls to 8 inches at both Carmel and Brewster.

Rockland County: 6 inches was measured at Pomona.

Westchester County: from 5.5 inches at Yorktown Heights to 8 inches at White Plains.

Nassau County: from 5.3 inches at Valley Stream to 6.8 inches at Merrick.

Suffolk County: from 3 inches at Islip Airport and Rocky Point to 7 inches at Huntington and Centerport (plus 1/4-inch thick ice).

This low was preceded by strong northeast winds that gusted from 40 to 45 mph. In addition, minor tidal flooding occurred across Broad Channel in Queens and in Long Beach and Freeport in Nassau Counties around the times of high tides from 11 am to noon.

Storm Data and Unusual Weather Phenomena

January 2000

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

NEW YORK, East

NYZ032>033- 038>043-047>053	Northern Herkimer - Hamilton - Southern Herkimer - Fulton - Montgomery - Northern Saratoga - Warren - Washington - Schoharie - Western Schenectady - Eastern Schenectady - Southern Saratoga - Western Albany - Eastern Albany - Western Rensselaer	17	0500EST 1200EST		0	0			Extreme Cold
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A large arctic high built southward from eastern Canada early on January 17. At the same time, deep low pressure settled in over the Canadian Maritimes. A strong pressure gradient developed between these two features, resulting in a northwest wind averaging between 15 and 30 miles an hour across eastern New York. At the same time, temperatures plummeted to between zero and 10 below, from the Mohawk Valley south, early on that Monday. The combination of the very low temperatures, as well as the strong wind, produced dangerously low wind chill values in the 40 to 50 below zero range. The dangerous wind chills persisted well into the midday hours, despite bright sunshine.

NYZ032>033- 038>041-047>054- 058>061-063>066	Northern Herkimer - Hamilton - Southern Herkimer - Fulton - Montgomery - Northern Saratoga - Schoharie - Western Schenectady - Eastern Schenectady - Southern Saratoga - Western Albany - Eastern Albany - Western Rensselaer - Eastern Rensselaer - Western Greene - Eastern Greene - Western Columbia - Eastern Columbia - Western Ulster - Eastern Ulster - Western Dutchess - Eastern Dutchess	25	0900EST		0	0	557K		Winter Storm
		26	0600EST						

Low pressure developed across the southeastern US on Monday January 24. This storm consolidated along the coast of Georgia, then began to rapidly deepen early on January 25. The storm turned north, hugging the coastline as it moved just to the east of Cape Cod by early January 26. The storm brought a large swath of heavy snow, generally in the 6 to 12 inch range across most of eastern New York. A bit of sleet mixed in with the snow from the Mohawk Valley southward, but snow was the primary precipitation type. Specific snowfall amounts included 12.5 inches at Herkimer, Herkimer county, 12 inches at Tribes Hill, Montgomery county, 10.6 inches at Albany, and 17 inches at East Jewitt, Greene County. There was some blowing and drifting snow associated with the storm, but not enough to classify it as a blizzard. The snow forced the closure of many schools and businesses throughout the area. There were numerous delays at the Albany International Airport.

NYZ032>033- 038>043-047>054- 060>061-063>066	Northern Herkimer - Hamilton - Southern Herkimer - Fulton - Montgomery - Northern Saratoga - Warren - Washington - Schoharie - Western Schenectady - Eastern Schenectady - Southern Saratoga - Western Albany - Eastern Albany - Western Rensselaer - Eastern Rensselaer - Western Columbia - Eastern Columbia - Western Ulster - Eastern Ulster - Western Dutchess - Eastern Dutchess	31	0000EST 0800EST		0	0	363K		Winter Storm
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Low pressure formed in the Gulf States on January 29. This storm tracked northeast along the piedmont of North Carolina, then the DelMarVa Peninsula, coastal New Jersey and Western Long Island on January 30. It reached Cape Cod early on January 30, and the Gulf of Maine later in the day.

There was a disparity of snowfall with this system. To the south, sleet and freezing rain mixed in, which held accumulations to the 4 to 7 inch range across the Mid Hudson Valley and southern Catskills. Six to 10 inch snowfall accumulations were common in the immediate Capital District. However, in the Mohawk Valley, just west of Amsterdam, and throughout the Western Adirondacks as well as the Lake George region, snow accumulated a foot or more. Most of the snow fell during the overnight hours on Sunday into Monday morning. To the west of Albany, snow fell heavily, at times in excess of 3 inches per hour.

Specific accumulations included 7 inches at Albany, while East Caroga Lake got buried with 21, and 18 inches fell at Gloversville, both located in Fulton county. 17 inches fell at Fort Plain, Montgomery county and 16 at North Creek, Warren county.

The storm once again closed many schools and some businesses. The snow removal effort was made more difficult due to the large amount of snow still left from previous storms.

NEW YORK, North

NYZ030	Southern Franklin	02	1000EST 1500EST		0	0	30K		Light Freezing Rain
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A stationary front across northern portions of Vermont and New York during the morning of January 2nd resulted in areas of freezing rain which continued into the mid afternoon hours. Area roads were very icy with numerous automobile accidents.

NYZ026-029	Northern St. Lawrence - Southern St. Lawrence	03	2000EST		0	0	10K		Winter Storm
		04	0500EST						

A storm system moved through the eastern Great Lakes Monday night, January 3rd and then into Canada on Tuesday, January 4th. Across the entire county, generally between 2 and 3 inches of snow fell with up to 1/2 inch of ice from freezing rain. The precipitation changed to rain Tuesday.

Storm Data and Unusual Weather Phenomena

January 2000

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

NEW YORK, North

NYZ027>028-030>031-034>035 **Northern Franklin - Northeast Clinton - Southern Franklin - Southwest Clinton - Western Essex - Eastern Essex**

03	2000EST				0	0	30K		Mixed Precipitation
04	0500EST								

A storm system moved through the eastern Great Lakes Monday night, January 3rd and then into Canada on Tuesday, January 4th. Across the area, generally between 2 and 3 inches of snow fell with up to 1/4 inch of ice from freezing rain. The precipitation changed to rain Tuesday.

NYZ026>031-034>035 **Northern St. Lawrence - Northern Franklin - Northeast Clinton - Southern St. Lawrence - Southern Franklin - Southwest Clinton - Western Essex - Eastern Essex**

16	0100EST 1400EST				0	0	40K		Light Snow
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A storm system moved from the Great Lakes region across northern New York Saturday night, January 15th and then across northern Vermont on Sunday, January 16th. Across northern New York, generally between 1 and 3 inches of snow fell, with 4 inches reported in Tupper Lake, New York (Franklin county).

NYZ027 **Northern Franklin**

19	0900EST 1200EST				0	0	5K		Flood
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An ice jam on the Salmon River resulted in local flooding just south of Malone. Route 25 near Chasm Falls was closed due to the localized flooding.

NYZ026>031-034>035 **Northern St. Lawrence - Northern Franklin - Northeast Clinton - Southern St. Lawrence - Southern Franklin - Southwest Clinton - Western Essex - Eastern Essex**

25	1000EST				0	0	120K		Winter Storm
26	1400EST								

A storm system off the North Carolina coast Tuesday morning, January 25th, moved northeast through the state of Maine during Wednesday, January 26th. Snow spread across the area late Tuesday morning and early afternoon. While there were lull periods in the snow, it continued into Wednesday and was heavy at times. A few accidents were reported across the area. Generally, between 7 and 13 inches of snow fell. A few specific snowfall amounts included: Crown Point (Essex county) 13 inches, Ellenburg Depot (Clinton county) 9 inches, Malone (Franklin county) 9 inches, and in St Lawrence county Massena had 8 inches while Star Lake had 10 inches.

NYZ029>030-034>035 **Southern St. Lawrence - Southern Franklin - Western Essex - Eastern Essex**

30	2100EST				0	0	40K		Winter Storm
31	1000EST								

A complex storm pattern with one system over the Ohio Valley and another one over the southeast US Sunday, January 30th organized into one system off the mid-atlantic coast Sunday night, January 30th. It then moved northeast across southern New England on Monday, January 31st. Snowfall in these areas was generally between 7 and 10 inches. A few specific reports included: Wanakena (St Lawrence county) 10 inches, Tupper Lake (South Franklin county) 8 inches, Elizabethtown (East Essex county) 7 inches, Newcomb (West Essex county) 7.2 inches.

NYZ026>028-031 **Northern St. Lawrence - Northern Franklin - Northeast Clinton - Southwest Clinton**

30	2100EST				0	0	20K		Light Snow
31	1000EST								

A complex storm pattern with one system over the Ohio Valley and another one over the southeast US Sunday, January 30th organized into one system off the mid-atlantic coast Sunday night, January 30th. It then moved northeast across southern New England on Monday, January 31st. Snowfall in these areas was generally between 3 and 6 inches. A few specific reports included: Gouverneur (St Lawrence county) 5.8 inches, Malone (North Franklin county) 4 1/2 inches, Ellenburg Depot and Peru (Clinton county) 3 inches.

NEW YORK, West

NYZ001>003-010>011-011-013>014-019 **Niagara - Orleans - Monroe - Erie - Genesee - Livingston - Ontario - Chautauqua**

04	0900EST 1300EST				0	0	183K		High Wind (G48)
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Strong winds accompanied the passage of a cold front across the area during the late morning and early afternoon hours. Trees and power lines were downed by the winds. In Rochester, Monroe County, a smoke stack was blown over. In Medina, Orleans County, a downed tree fell onto a house causing structural damage. Gusts of 49 mph at Niagara Falls, 51 mph at Buffalo and 55 mph at Rochester were recorded. Power outages were scattered throughout the area.

NYZ010-012-019 **Erie - Wyoming - Chautauqua**

10	1945EST 2100EST				0	0	55K		High Wind (G51)
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A strong cold front was accompanied by high winds as it crossed the region. The high winds downed trees and power lines in

Storm Data and Unusual Weather Phenomena

January 2000

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

Falconer, Attica, and Hamburg. A 60 mph gust was recorded in Attica.

NYZ010-012>013-019>020 Erie - Wyoming - Livingston - Chautauqua - Cattaraugus

13 1700EST 0 0 44K Heavy Snow

Low pressure moved across Pennsylvania and brought a general snowfall of three to six inches of snow to the entire western New York area. Across the western southern tier and the higher elevations of the western Finger Lakes, snowfall totals reached twelve inches. Specific reports included: Springwater 13"; Strykersville 12"; Colden 9", Arkwright 8"; and Perrysburg 7". Several school districts in the southern tier cancelled classes.

NYZ003>006-019 Monroe - Wayne - Northern Cayuga - Oswego - Chautauqua

20 1902EST 0 0 47K Heavy Snow
2155EST

Low pressure moving up the east coast brought a general snowfall to the area. The northerly flow across Lakes Erie and Ontario enhanced snowfall amounts and seven to nine inches of snow fell downwind of the lakes. Snowfall amounts included: 9" at Stockton and Hilton and 7" at Perinton, Clyde, Fair Haven and Oswego.

NYZ003-003>004-004>006-008-014 Monroe - Wayne - Northern Cayuga - Oswego - Lewis - Ontario

26 0630EST 0 0 99K Heavy Snow
1700EST

Low pressure moved up the east coast with western New York on the fringe of the system. The north northeast flow across Lake Ontario resulted in enhanced snowfalls downwind of the lake. Snowfalls included: Rochester metro area--12" in the city, 16" in the eastern suburbs, and 6-10" west and south; Wayne county--12-18" west and south and 6-12" near the lake; Ontario county--6-9" across the northern sections; and Oswego county--8-12" south and central.

NORTH CAROLINA, Central

NCZ007>011-021>028-038>043-073>078-083>086-088>089 Person - Granville - Vance - Warrren - Halifax - Forsyth - Guilford - Alamance - Orange - Durham - Franklin - Nash - Edgecombe - Davidson - Randolph - Chatham - Wake - Johnston - Wilson - Stanly - Montgomery - Moore - Lee - Harnett - Wayne - Anson - Richmond - Scotland - Hoke - Cumberland - Sampson

18 0200EST 0 0 Winter Storm
1400EST

Light snow moved over the Triad area in the early morning hours of the 18th and sperad slowly east-southeast, reaching the Sandhills and Coastal Plain before daybreak. The snow intensified in the morning in the Triad area where 4 to 6 inches of snow fell. The Sandhills and Coastal Plain received 1 to 3 inches before changing over to sleet and freezing rain in the mid-morning hours. Total accumulations of ice were less than a quarter of an inch. The snow and ice made for slick road conditions across the entire area. Most counties reported numerous accidents, causing many major roads to close.

NCZ007>011-021>024-026>028-038>043-076>077-089 Person - Granville - Vance - Warren - Halifax - Forsyth - Guilford - Alamance - Orange - Franklin - Nash - Edgecombe - Davidson - Randolph - Chatham - Wake - Johnston - Wilson - Lee - Harnett - Sampson

20 0000EST 0 0 Winter Storm
0600EST

An average of 2 to 3 inches of snow fell in the northern half of central North Carolina with a few locations near the Virginia border receiving up to 4 inches. The southern counties in central North Carolina received mostly rain with a trace of snow. The snow began around midnight on the 20th over the Northwest Piedmont and moved east. The light snow tapered off to rain and freezing drizzle in the early morning hours. Some secondary roads were reported to be slick while most major roads remained clear.

NCZ007>011-021>028-038>043-073>078-083>086-088>089 Person - Granville - Vance - Warren - Halifax - Forsyth - Guilford - Alamance - Orange - Durham - Franklin - Nash - Edgecombe - Davidson - Randolph - Chatham - Wake - Johnston - Wilson - Stanly - Montgomery - Moore - Lee - Harnett - Wayne - Anson - Richmond - Scotland - Hoke - Cumberland - Sampson

22 1800EST 0 0 Winter Storm
23 1700EST

A winter storm producing snow and ice moved from west to east across central North Carolina beginning on the evening of the 22nd. The storm produced 2 to 5 inches of snow across the western Piedmont where Stanly and Anson counties reported 4 to 5 inches and the Triad around 2 inches. Amounts less than an inch covered the ground in the Triangle and Rocky Mount areas while the southern tier counties got 1 to 3 inches.

After a lull in the late night precipitation, sleet and freezing rain developed early on the 23rd. The accumulation of ice was less than a quarter inch in the southern counties where precipitation was mostly rain. In the central counties including Nash, Wake, Chatham, and Randolph, the ice accumulated to around a quarter inch, causing scattered power outages and downed tree limbs. Precipitation in the northern counties remained mostly snow throughout the event.

Storm Data and Unusual Weather Phenomena

January 2000

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

NORTH CAROLINA, North Coastal

NCZ030

Bertie

25 2300EST

0 0

Winter Storm

26 1800EST

A significant winter storm dropped between 5 and 6 inches of snow across Bertie county. There was some blowing and drifting of snow due to winds which gusted over 30 mph at times. Precipitation actually began as rain, which changed to heavy snow. Snow then mixed with sleet and freezing rain during the day. Very cold air built in behind the storm system, preserving the snowpack for nearly a week.

NCZ013>014

Hertford - Gates

26 0000EST

0 0

Winter Storm

1900EST

A significant winter storm dumped 3 to 4 inches of snow across Hertford county, and around 4 inches in Gates county. There was some blowing snow due to winds gusts over 30 mph during the storm. Precipitation began as rain, but then changed to snow during the morning hours. Snow was then mixed with sleet and freezing rain periodically. Very cold air built in behind the storm system and preserved the snowpack for several days.

**NCZ015>016-
031>032**

Pasquotank - Camden - Chowan - Perquimans

26 1200EST

0 0

Winter Storm

1800EST

A winter storm affected northeast North Carolina with a mixture of snow, sleet, rain, and freezing rain. Precipitation began early in the morning as wind-blown rain. Rain then mixed with snow, sleet, and freezing rain during the afternoon hours, with general accumulations of 2 to 4 inches reported. Winds gusting over 40 mph created some blowing snow and power outages. Specific county accumulations were: Chowan county 3 to 4 inches, Perquimans county 2 inches, Pasquotank county 2 to 3 inches, and Camden county 2 to 3 inches.

NORTH CAROLINA, Northwest and North Central

**NCZ001>002-
018>019**

Ashe - Alleghany - Watauga - Wilkes

11 1150EST

0 0

20K

High Wind

1500EST

High winds during the midday and afternoon of the 11th downed trees across Ashe, Watauga, Alleghany, and Wilkes counties.

High winds also tore part of a roof off West Jefferson Elementary School in West Jefferson in Ashe County, and toppled a tree onto a truck in Moravian Falls in Wilkes County.

NCZ001>002-018

Ashe - Alleghany - Watauga

13 1130EST

0 0

12K

High Wind (G54)

1500EST

High winds during the midday and afternoon of the 13th downed large trees, tree limbs, and power lines. These winds resulted in minor property damage in Ashe, Alleghany, and Watauga counties.

Winds gusted to 54 knots in Jefferson in Ashe County.

NCZ005-020

Rockingham - Yadkin

13 1400EST

0 0

0

High Wind

1900EST

High winds during the afternoon of the 13th downed large trees, tree limbs, and power lines.

NCZ001>002-018

Ashe - Alleghany - Watauga

17 2300EST

0 0

Heavy Snow

18 0800EST

Snow developed late in the evening of the 17th and accumulated 6 inches before ending mid morning on the 18th.

**NCZ003>005-
019>020**

Surry - Stokes - Rockingham - Wilkes - Yadkin

18 0100EST

0 0

Heavy Snow

1000EST

Snow developed during the early morning of the 18th and accumulated 5 to 10 inches, with isolated 12 inch amounts reported, before ending around mid morning.

NCZ001>003-018

Ashe - Alleghany - Surry - Watauga

19 2100EST

0 0

Heavy Snow

0900EST

Snow developed in the evening of the 19th and accumulated 5 to 6 inches, with up to 10 inches in the higher elevations, before ending during the morning of the 20th.

Storm Data and Unusual Weather Phenomena

January 2000

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

NORTH CAROLINA, Northwest and North Central

NCZ001-018 Ashe - Watauga
 20 0535EST 0 0 0 High Wind (G53)
 1400EST

High winds during the morning and afternoon of the 20th downed trees and power lines.

The wind in Jefferson in Ashe County gusted past 50 knots several times, with the highest gust of 53 knots occurring at 556 AM.

NCZ001-018 Ashe - Watauga
 22 1600EST 0 0 Heavy Snow
 23 0100EST

Snow developed in the afternoon of the 22nd and accumulated 6 to 8 inches before ending early on the 23rd.

NCZ004>006-018>019 Stokes - Rockingham - Caswell - Watauga - Wilkes
 29 1600EST 0 0 Winter Storm
 30 1800EST

Light snow, sleet, and freezing rain developed late in the afternoon of the 29th. Snow and sleet accumulations ranged from 1 to 4 inches, then became mainly freezing rain late at night. Glaze accumulated 1/4 inch to 1/2 inch before the freezing rain ended during the afternoon on the 30th.

NORTH CAROLINA, South Coastal

NCZ087-096>097-099>101 Robeson - Bladen - Pender - Columbus - Brunswick - New Hanover

17 2300EST 0 0 Snow
 18 1300EST

A wintery mix of light freezing rain and snow fell across southeast North Carolina during the night and into the next day. Snow accumulations were 1 to 3 inches across the area, with freezing rain making the roads even more slick. In an area unaccustomed to snow, roads were treacherous and many accidents resulted.

NCZ087-096>097-099 Robeson - Bladen - Pender - Columbus
 22 1800EST 0 0 Freezing Rain
 23 0700EST

Light snow fell during the late afternoon in Robeson County, turning to light intermittent rain during the night. Mixed light sleet and light rain fell in the other counties...freezing mostly on trees and grassy surfaces. On roadways, the rain froze on some bridges, making for hazardous travel.

NCZ087-096>097-099 Robeson - Bladen - Pender - Columbus - Brunswick - New Hanover
 25 0230EST 0 0 Winter Storm
 1300EST

As a winter low pressure system intensified along the coast, rain turned to snow during the early morning hours and rapidly accumulated 6 to 7 inches deep in Robeson County, and 4 to 6 inches deep across the rest of Southeast North Carolina by sunrise. Light snow continued across most the area for the rest of the morning with little additional accumulation. Roads were treacherous and schools and businesses were closed for a couple of days in much of the area.

NORTH CAROLINA, Southwest

NCZ033-049>052 Avery - Yancey - Mitchell - Swain - Haywood
 04 2000EST 0 0 Snow
 05 0600EST

Northwest flow snow showers fell overnight across the northern mountains and higher elevations of Haywood and Swain counties near the Tennessee border. Accumulations of 1 to 2 inches were common, with a maximum of 3 inches reported on Grandfather Mountain.

NCZ033>034-049>050-053>055 Avery - Caldwell - Yancey - Mitchell - Buncombe - McDowell - Burke
 13 1200EST 0 0 High Wind (G52)
 1800EST

Strong and damaging northwest winds behind a strong cold front, gusted to 60 mph or more. Many trees and power lines were blown down which resulted in power outages for some mountain residents. The highest winds in the foothills occurred near the Blue Ridge Parkway.

NCZ033-048>053-058>059-062>065 Avery - Madison - Yancey - Mitchell - Swain - Haywood - Buncombe - Graham - Northern Jackson - Macon - Southern Jackson - Transylvania - Henderson
 16 0600EST 0 0 Freezing Rain/Sleet
 0900EST

A quick burst of freezing rain and sleet caused numerous traffic accidents across the mountains. The precipitation was light - less

Storm Data and Unusual Weather Phenomena

January 2000

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

NORTH CAROLINA, Southwest

than a tenth of an inch in most places, but as high as one third inch near Robbinsville.

NCZ033>037-055>057-069 **Avery - Caldwell - Alexander - Iredell - Davie - Burke - Catawba - Rowan - Lincoln**

18	0400EST 1200EST				0	0			Heavy Snow
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NCZ048>050-054-068-070>072-082 **Madison - Yancey - Mitchell - McDowell - Cleveland - Gaston - Mecklenburg - Cabarrus - Union**

18	0400EST 1200EST				0	0			Snow
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Low pressure moved east across Tennessee and weakened as it ran into a surface high pressure ridge along the East Coast. Nevertheless, enough moisture was available to cause heavy snow to fall from Avery county, east across the northern foothills and northwest piedmont. Precipitation began as light rain in the mid-evening hours on the 17th, but quickly turned to snow as the atmosphere cooled to below freezing. Snowfall ranged between 3 and 6 inches across the area by noon on the 18th, with a narrow band of 1 to 3 inch accumulation of snow and sleet to the immediate south.

NCZ033-048>050 **Avery - Madison - Yancey - Mitchell**

20	0400EST 1200EST				0	0			Heavy Snow
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NCZ034>037-051>059-064 **Caldwell - Alexander - Iredell - Davie - Swain - Haywood - Buncombe - McDowell - Burke - Catawba - Rowan - Graham - Northern Jackson - Transylvania**

20	0400EST 1200EST				0	0			Snow
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A cold front crossed the mountains overnight, and low pressure formed along the front in the foothills by morning. Cold air was already in place across the region, so precipitation fell in the form of snow. By noon on the 20th, 3 to 6 inches of snow had fallen from Madison to Avery counties. Elsewhere across the central mountains, northern foothills and northwest piedmont, 1 to 3 inches of snow fell. There were isolated reports of 4 inches from the highest peaks in Swain and Haywood counties. The combination of snow and wind in the wake of the front caused some trees to fall, especially in Caldwell county. One tree fell across a mobile home and caused \$24K in damage. Several other trees fell across roads.

NCZ033>037-048>056-058>059-062>072-082 **Avery - Caldwell - Alexander - Iredell - Davie - Madison - Yancey - Mitchell - Swain - Haywood - Buncombe - McDowell - Burke - Catawba - Graham - Northern Jackson - Macon - Southern Jackson - Transylvania - Henderson - Polk - Rutherford - Cleveland - Lincoln - Gaston - Mecklenburg - Cabarrus - Union**

22	1500EST 0000EST				0	0			Heavy Snow
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NCZ057 **Rowan**

22	1800EST 0000EST				0	0			Snow
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NCZ082 **Union**

23	0300EST 1000EST				0	0			Ice Storm
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A cold dome of arctic high pressure centered over the Mid-Atlantic States provided very cold and dry air to western North Carolina. Meanwhile, weak low pressure moved east along a frontal boundary stalled across the Gulf Coast States to the Georgia coast. Abundant moisture flowed north into the sub-freezing air over western North Carolina, resulting in light snow as early as the afternoon on the 22nd. Snow became heavy by mid-afternoon across the mountains and by evening across the foothills and piedmont. A general 4 to 7 inch snowfall occurred in the mountains with as much as 10 inches reported in Jackson county. Generally 4 to 6 inches of snow fell across the foothills and piedmont, with a local maximum of 7 inches in western Lincoln county. Rowan county failed to meet heavy snow criteria with accumulations of up to 3 inches. Freezing rain and sleet mixed with the snow for a short time before the precipitation ended, and for the most part, caused little additional problems. The one exception was across southern Union county where freezing rain lasted all night and through much of the morning on the 23rd. Ice accumulations reached damaging levels there around 3 am, causing a large number of trees and power lines to fall throughout the morning. This in turn, resulted in widespread power outages.

NCZ036>037-069 **Iredell - Davie - Lincoln**

24	0900EST 0200EST				0	0			Snow
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NCZ057-068-070>072-082 **Rowan - Cleveland - Gaston - Mecklenburg - Cabarrus - Union**

24	1300EST 0200EST				0	0			Heavy Snow
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Low pressure rapidly deepened near the Carolina coast, wrapping abundant moisture back across the piedmont of the Carolinas. Snow fell all day and into the night, heavy at times south and east of Interstate 85. By the time snow ended, accumulations ranged from a trace to 4 inches to the immediate north and west of Interstate 85, to 4 to 8 inches from eastern Rowan county to Charlotte and

Storm Data and Unusual Weather Phenomena

January 2000

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

NORTH CAROLINA, Southwest

Gastonia, and 10 to 14 inches across southeastern Mecklenburg county and all of Union county. Utility damage in Union county alone was above \$4 million, with damage in Monroe at more than \$1 million. This storm followed no more than 36 hours after the area received several inches of snow and ice from a previous storm over the weekend.

NCZ033-048-050>052-058 **Avery - Madison - Mitchell - Swain - Haywood - Graham**

25	1900EST				0	0			Heavy Snow
26	1200EST								

NCZ049-053-059-062 **Yancey - Buncombe - Northern Jackson - Macon**

26	0000EST				0	0			Snow
	1200EST								

An upper level disturbance and northwest flow combined to produce varying amounts of snow across the mountains from early evening on the 25th through noon on the 26th. One to three inches of snow fell from Macon county to Buncombe and Yancey counties. Heavy snow accumulated 4 to 6 inches across most of the Tennessee border counties from Graham to Avery.

NCZ033-048>053-058-064>065-070>072-082 **Avery - Madison - Yancey - Mitchell - Swain - Haywood - Buncombe - Graham - Transylvania - Henderson - Gaston - Mecklenburg - Cabarrus - Union**

29	2100EST				0	0			Ice Storm
30	1800EST								

NCZ034>037-054>057-059-062>063-066>069 **Caldwell - Alexander - Iredell - Davie - McDowell - Burke - Catawba - Rowan - Northern Jackson - Macon - Southern Jackson - Polk - Rutherford - Cleveland - Lincoln**

29	2100EST				0	0			Freezing Rain
30	1600EST								

Weakening low pressure in the Ohio River Valley, developing low pressure along the Gulf Coast and cold, arctic air in place across the Carolinas resulted in a wintry mess across western North Carolina. This was the last in a series of 5 winter storms that wreaked havoc on western North Carolina in an 11 day span. The ice storm in the mountains consisted mainly of a couple inches of sleet. However, the combined accumulation of the mixture of sleet and snow was generally 2 to 3 inches. Some freezing rain mixed in during the morning of the 30th. Across the foothills and piedmont, precipitation which briefly began as some light sleet and snow, turned quickly to freezing rain. The freezing rain was heavy enough across the southern piedmont, including the Charlotte area, to result in a 1/4 to 1/2 inch glaze. Scattered power outages resulted, with Gaston county reporting 2500 people without power. The entire Duke Power system reported 77,000 people without power.

NCZ033-048>052-058 **Avery - Madison - Yancey - Mitchell - Swain - Haywood - Graham**

31	0400EST				0	0			Snow
	1200EST								

Northwest flow produced a light snowfall of 1 to 3 inches.

NORTH DAKOTA, Central and West

NONE REPORTED.

NORTH DAKOTA, East

NONE REPORTED.

OHIO, East

Coshocton County

Countywide	05	0600EST			0	0			Flood
	06	1100EST							

Heavy rains in the headwaters of the Tuscarawas and Walhonding Rivers on January 3-4 caused the Muskingum River to go above the flood stage of 13.0 feet at Coshocton, OH by the early morning hours on the 5th. As the Muskingum River rose, several small creeks and streams across the county also rose over bankfull. Law enforcement officials reported portions of State Routes 715 and 60 were closed due to this minor flooding.

OHIO, North

Richland County

Shelby	10	1100EST			0	0	5K		Thunderstorm Wind
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Thunderstorm winds downed two trees.

Storm Data and Unusual Weather Phenomena

January 2000

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

OHIO, North

Lorain County

Countywide	10	1150EST			0	0	25K		Thunderstorm Wind
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Thunderstorm winds estimated at 60 mph downed many trees in Elyria and North Ridgeville. A parked car in North Ridgeville was destroyed when a large tree fell on it. A 59 mph wind gust was measured at the Lorain Light House.

Stark County

Countywide	10	1150EST			0	0	50K		Thunderstorm Wind (G50)
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Thunderstorm winds downed many trees in Massillon, Canton and Waynesburg. A car in Massillon was crushed by a fallen tree. A 58 mph wind gust was measured at Hartville.

Portage County

Countywide	10	1230EST			0	0	15K		Thunderstorm Wind
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Thunderstorm winds snapped two power poles just north of Brimfield on Highway 43. Several trees were also downed in Kent.

Trumbull County

Warren	10	1300EST			0	0	60K		Thunderstorm Wind
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Thunderstorm winds downed many trees. A house on the northwest side of Warren suffered major structural damage from a fallen tree. The tree damaged a large section of roof and crushed an exterior wall.

Mahoning County

Youngstown	10	1320EST			0	0	50K		Thunderstorm Wind
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Thunderstorm winds downed many trees. A building at Youngstown State University suffered damage when a 70 foot by 90 foot section of roof was peeled off. Awnings on two houses were also blown off.

Ashtabula County

Ashtabula	10	1335EST			0	0	10K		Thunderstorm Wind
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Thunderstorm winds downed two trees.

OHZ011>014-020>022 Cuyahoga - Lake - Geauga - Ashtabula - Medina - Summit - Portage

	19	2200EST			0	0	315K		Heavy Snow
	20	2100EST							

Snow spread across northern Ohio on the evening of the 19th as an area of low pressure moved up the Ohio Valley. Arctic air moving across Lakes Huron and Erie enhanced the snowfall, especially in Cuyahoga and Medina Counties on the morning of the 20th. Snowfall rates in these counties exceeded two inches per hour and caused major traffic delays. Winds gradually shifted to the northwest during the afternoon hours. As this happened, the heaviest snow shifted east into inland sections of Geauga and Ashtabula Counties. Widespread six to eight inch accumulations were reported in northeast Ohio with up to 16 inches of snow reported in southern Cuyahoga county. Up to 10 inches of snow fell in Medina, Summit and Geauga Counties.

OHZ011-013>014-023 Cuyahoga - Geauga - Ashtabula - Trumbull

	21	0100EST			0	0	70K		Heavy Snow
		2200EST							

Cold northwest flow across Lake Erie led to the development of lake effect snow bands. The snow began during the early morning hours and continued into the evening. The heaviest snow fell in Geauga County with accumulations of up to nine inches reported. The eastern half of Cuyahoga County, northern sections of Trumbull County and much of Ashtabula County received around six inches of snow.

OHZ010>013-021 Lorain - Cuyahoga - Lake - Geauga - Summit

	26	0500EST			0	0	90K		Heavy Snow
		1900EST							

Northwest flow across Lake Erie led to the development of lake effect snow bands prior to daybreak. Heavy snow first fell in Lorain County and then spread east during the afternoon hours. Total accumulations ranged from just over 10 inches in southern Cuyahoga County to around six inches in Lake and Geauga Counties.

OHZ011-013 Cuyahoga - Geauga

	27	0600EST			0	0	20K		Heavy Snow
		1200EST							

Cold northwest flow across Lake Erie caused lake effect snow bands to develop during the morning. Six to seven inches of snow fell over southern and eastern Cuyahoga County and also over much of Geauga County.

OHIO, Northwest

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

January 2000

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

OHIO, Southeast

OHZ066>067-075>076-083>087 Perry - Morgan - Athens - Washington - Jackson - Vinton - Meigs - Gallia - Lawrence

02	1200EST				0	0			Record Warmth
04	0800EST								

Afternoon temperatures on the 2nd and the 3rd rose into the upper 60s to lower 70s. Gallipolis and Waterloo had 73 degrees on the 2nd. South Point and Marietta were 71 degrees.

OHZ066>067-075>076-083>087 Perry - Morgan - Athens - Washington - Jackson - Vinton - Meigs - Gallia - Lawrence

10	1200EST				0	0			Wind
	1800EST								

Wind gusts of 30 to 45 mph were common, associated with a cold frontal passage.

OHZ066>067-075>076-083>087 Perry - Morgan - Athens - Washington - Jackson - Vinton - Meigs - Gallia - Lawrence

11	0300EST				0	0			Wind
	0600EST								

A secondary cold front caused predawn gusts of 40 to 50 mph. A few rain showers helped transfer the wind to the surface.

OHZ066>067-075>076-083>087 Perry - Morgan - Athens - Washington - Jackson - Vinton - Meigs - Gallia - Lawrence

20	0000EST				0	0			Snow
	0600EST								

Snow accumulated 3 to 5 inches.

OHZ066>067-075>076-083>085 Perry - Morgan - Athens - Washington - Jackson - Vinton - Meigs

22	0300EST				0	0			Extreme Cold
	0900EST								

A clear and calm night, combined with a fresh snow cover, to produce dawn temperatures mostly between zero and minus 10. The coldest reading was 11 below zero from New Lexington. Athens had minus 8, McConnelsville registered minus 6, Marietta had minus 4, and Jackson observed 3 below zero.

OHZ066 Perry

25	0300EST				0	0			Extreme Cold
	0900EST								

New Lexington was 6 below zero at dawn.

OHZ066>067-075>076-083>087 Perry - Morgan - Athens - Washington - Jackson - Vinton - Meigs - Gallia - Lawrence

28	0300EST				0	0			Extreme Cold
	0900EST								

Dawn readings were mostly zero to minus 5. The coldest was minus 9 from near Carpenter of western Meigs County.

OHZ083-086>087 Jackson - Gallia - Lawrence

29	1800EST				0	0			Winter Storm
	2300EST								

Ice from freezing rain accumulated on the cold ground to a quarter of an inch. The amount of rain was not heavy enough to cause a major ice storm.

OHIO, Southwest

Hamilton County

03	1900EST				0	0	20K		Flood
	2150EST								

Very heavy rainfall caused flooding of many roads across the county. Specifically, flooding of roads occurred in Covedale, Evendale and on Interstate 75.

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>OHIO, Southwest</u>									
Butler County									
Countywide	03	1912EST 2150EST			0	0	10K		Flood
									Persistent heavy rainfall caused several roads to be flooded across the county.
Clinton County									
Countywide	03	1930EST 2130EST			0	0	10K		Flood
									Persistent heavy rainfall caused flooding across the county. Some roads were closed in the southern part of the county.
Clermont County									
Countywide	03	2100EST 2235EST			0	0	50K		Flood
									Heavy rainfall over several hours caused flooding of roads and homes across the county.
Warren County									
Countywide	03	2100EST 2200EST			0	0	10K		Flood
									Several hours of heavy rainfall caused roads to flood across the county.
Delaware County									
Countywide	03 04	2200EST 0100EST			0	0	3K		Flood
									Water flooded across Ohio Route 521 in the northeastern part of the county.
Pickaway County									
Circleville	03	2200EST 2330EST			0	0	5K		Flood
									Heavy rainfall caused some streets to be flooded in Circleville.
Fayette County									
Countywide	03	2205EST 2320EST			0	0	10K		Flood
									Several hours of heavy rainfall caused water to flood across roads across the county.
Franklin County									
Countywide	03	2210EST 2350EST			0	0	10K		Flood
									Persistent heavy rainfall caused flooding of roads across the county. Several roads were closed across the southern part of the county.
Madison County									
Mt Sterling	03	2215EST 2330EST			0	0	5K		Flood
									Water flooded across roads from several hours of heavy rainfall.
Fairfield County									
Countywide	03	2220EST 2350EST			0	0	5K		Flood
									Heavy rainfall caused water to flood across roads.
Brown County									
Countywide	03	2315EST 2350EST			0	0	5K		Flood
									Heavy rain caused water to flood across county roads, mainly in the northern half of the county.
Highland County									
Countywide	03 04	2315EST 0015EST			0	0	5K		Flood
									Persistent heavy rainfall caused water to flood across roads, mainly across the northern part of the county.
Ross County									
Countywide	03 04	2345EST 0030EST			0	0	5K		Flood
									Water flooded across several roads across the county including State Route 180 in the northeastern part of the county.
OHZ077>078									
									Hamilton - Clermont
	04	0100EST 0300EST			0	0			Flood
									Heavy rainfall caused the Little Miami River at Milford to rise out of its banks. The river crested at 17.4 feet around 200 am. Flood stage is 17.0 feet. Flooding was limited to lowland areas in Hamilton and Clermont counties.

Storm Data and Unusual Weather Phenomena

January 2000

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

OHIO, Southwest

OHZ051-070

Miami - Butler

10	0845EST 1600EST			1	6	25K	High Wind (G40)
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In Miami county, a man was walking back to his house from getting his newspaper when a 3 foot diameter and 30 feet tall tree fell on him. He was killed from the impact of the tree. In Butler county, a 28 foot high cinderblock wall fell on scaffolding, on which 6 construction workers were standing. The scaffolding collapsed injuring all 6 workers. Winds were measured to around 45 mph in the region, but some gusts may have been locally higher. M57OU

Licking County

Jersey
OHZ042-045>046-051>056-060>065-070>074-082

10	1100EST			0	0		Hail (0.75)
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Darke - Union - Delaware - Miami - Champaign - Clark - Madison - Franklin - Licking - Preble - Montgomery - Greene - Fayette - Pickaway - Fairfield - Butler - Warren - Clinton - Ross - Hocking - Pike

19	2000EST			0	0		Heavy Snow
20	0500EST						

A fast-moving low pressure system brought a band of heavy snow across central and southern Ohio. Many locations received 5 to 6 inches while the heaviest band of 7 inches fell from Dayton to Xenia to Chillicothe.

OHZ081>082-088

Adams - Pike - Scioto

29	1500EST 2300EST			0	0		Winter Storm
----	--------------------	--	--	---	---	--	---------------------

A fast-moving winter storm brought about 8 hours of sleet and freezing rain to south-central Ohio. The ice accumulated to 1 to 2 inches in spots causing numerous traffic accidents.

OKLAHOMA, Eastern

Pittsburg County

Mc Alester

03	0200CST			0	0	0.10K	Thunderstorm Wind
----	---------	--	--	---	---	-------	--------------------------

A tree was blown and partially blocked the intersection of Sixth Street and Elm.

Pittsburg County

Pittsburg

03	0200CST			0	0	0.90K	Thunderstorm Wind
----	---------	--	--	---	---	-------	--------------------------

Eight or nine trees were blown down just to the east and south of Pittsburg.

Latimer County

Wilburton to
Red Oak

03	0300CST			0	0	80K	Thunderstorm Wind
----	---------	--	--	---	---	-----	--------------------------

Thunderstorm winds damaged several buildings and blew down trees across a large part of eastern Latimer County between Wilburton and Red Oak including the community of Cravens.

One business in Wilburton known as The Auction House had its roof blown off and a few neighboring businesses had their plate glass windows broken. Throughout the county one mobile home and three barns were destroyed and five mobile homes and twelve barns were damaged. Numerous trees were blown down onto roads throughout the east part of the county including in the cities of Wilburton and Red Oak.

Sequoyah County

Blackgum

03	0315CST			0	0		Hail (0.75)
----	---------	--	--	---	---	--	--------------------

Adair County

6 W Stilwell

03	0335CST			0	0		Hail (0.75)
----	---------	--	--	---	---	--	--------------------

Le Flore County

Bokoshe

03	0410CST			0	0	0.10K	Thunderstorm Wind
----	---------	--	--	---	---	-------	--------------------------

Large tree limb blown down by thunderstorm winds.

Le Flore County

Arkoma

03	0426CST			0	0		Thunderstorm Wind (G52)
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Le Flore County

Page

03	0615CST			0	0	0.50K	Thunderstorm Wind
----	---------	--	--	---	---	-------	--------------------------

Several large tree limbs blown down by thunderstorm winds.

OKZ049-053>076

Pushmataha - Choctaw - Osage - Washington - Nowata - Craig - Ottawa - Pawnee - Tulsa - Rogers - Mayes - Delaware - Creek - Okfuskee - Okmulgee - Wagoner - Cherokee - Adair - Muskogee - McIntosh - Sequoyah - Pittsburg - Haskell - Latimer - Le Flore

27	0700CST 1900CST			0	0		Heavy Snow
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Heavy snow fell throughout Eastern Oklahoma on Thursday, January 27. Cold air settled into Eastern Oklahoma earlier in the week

Storm Data and Unusual Weather Phenomena

January 2000

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

OKLAHOMA, Eastern

setting the stage for the snow event. The snow fell in association with an upper level system moving northeast into the plains out of the desert southwest. This upper system tapped gulf moisture which rode up over the dome of cold air. Light snow fell in advance of the upper level system on Wednesday generally resulting in less than an inch of accumulation due to the warm ground. The snow ended for a while Wednesday night. Heavy snow began to fall early Thursday morning and continued into Thursday afternoon. The snow became light early Thursday evening and ended around midnight.

The following are some snowfall amounts for the event: Eufaula...17", Okmulgee...12", McAlester...10", Okemah...9", Pawnee...9", Hugo...9", Stigler...9", Poteau...9", Wagoner...9", Stilwell...9", Broken Arrow...8", Heavener...8", Antlers...8", Muskogee...8", Tahlequah...8", Checotah...8", Tulsa NWS...8", Wilburton...7", Bristow...7", Sallisaw...7", Pryor...7", Tulsa International Airport...7", Claremore...7", Barnsdall...7", Sapulpa...6", Jay...6", Bartlesville...6", Pawhuska...6", Nowata...6", Spavinaw...5", Miami...5", Vinita...4" and Lenapah...4".

OKLAHOMA, Extreme Southeast

OKZ077

Mccurtain

26	1100CST	0	0	6.7M	Heavy Snow
28	2300CST				

A strong upper level trough moved out of the southern Great Basin and into the lower Mississippi Valley pulling arctic air southward across the south central states to the Gulf coast. Moisture laden air from the Gulf of Mexico overran freezing surface temperatures producing heavy snow across all of southeast Oklahoma. Snowfall totals between 6 and 10 inches were common. Numerous chicken house roofs collapsed from the weight of the snow killing thousands of chickens. In addition, numerous homes and businesses suffered from collapsed roofs crushing contents and vehicles.

OKLAHOMA, Panhandle

OKZ001>003

Cimarron - Texas - Beaver

27	0000CST 1200CST	0	0		Heavy Snow
----	--------------------	---	---	--	-------------------

An upper level storm system moved across northern New Mexico and then eastward across the Texas and Oklahoma panhandles producing heavy snow during the late night and morning hours. The heaviest snows fell across the western Oklahoma panhandle where Boise City picked up six to eight inches. Other amounts generally were around four and a half inches in the central Oklahoma panhandle and five to six inches across the eastern Oklahoma panhandle.

OKLAHOMA, Western, Central and Southeast

Johnston County

Mill Creek	03 0150CST	0	0		Hail (1.00)
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Cleveland County

Norman	03 0215CST	0	0	3K	Lightning
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Johnston County

1 NE Nida	03 0230CST	0	0	100K	Lightning
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Murray County

Davis	03 0300CST	0	0	15K	Lightning
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Thunderstorms moved across portions of central and southern Oklahoma during the early morning of the 3rd. Lightning struck a two-story house 1 mile northeast of Nida in Johnston County causing a fire that completely destroyed the home. Lightning also struck a house on S. Fourth St. in Davis in Murray County causing a fire that resulted in major damage to the attic and master bedroom, while on West Main St. in Norman in Cleveland County, lightning struck a power line resulting in a loss of power to about 1500 residences for 2 hours.

OKZ011>012-017>019-024>032-040-042>043
Major - Garfield - Blaine - Kingfisher - Logan - Canadian - Oklahoma - Lincoln - Grady - McClain - Cleveland - Pottawatomie - Seminole - Hughes - Garvin - Pontotoc - Coal

26	0600CST 1600CST	0	0		Heavy Snow
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A narrow band of heavy snow fell across portions of western and central Oklahoma from near Watonga, Fairview, and Enid extending southeastward to near Coalgate and Calvin. Average snowfall in this band was 4 to 6 inches, however isolated local amounts between 8 and 10 inches were reported in Yukon in Canadian County and in Ada in Coal County.

OKZ004>032-040-042
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 - Garvin - Pontotoc

27	0600CST 2000CST	0	0		Heavy Snow
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Storm Data and Unusual Weather Phenomena

January 2000

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

OKLAHOMA, Western, Central and Southeast

OKZ041-043-046>048-050>052 Murray - Coal - Carter - Johnston - Atoka - Love - Marshall - Bryan

27	0600CST 1800CST				0	0			Winter Storm
----	--------------------	--	--	--	---	---	--	--	---------------------

A winter storm brought heavy snow to most of northern and central Oklahoma and a mixture of sleet, snow, and freezing rain to portions of south central and southeast Oklahoma from the early morning of the 27th through the early evening. An average of 4 to 8 inches of snow fell across northern and central Oklahoma with the axis of heaviest snow oriented northwest to southeast from near Alva in Woods County to near Wetumka in Hughes County.

Sleet and freezing rain fell across most of south central and southeast Oklahoma the morning of the 27th before the precipitation changed to all snow during the afternoon. An average of 4 to 6 inches of a mixture of sleet, snow, and freezing rain was reported.

OKZ019 Logan

28	1200CST				1	0			Extreme Cold
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A 67-year old man was found dead in the snow in his front yard in Guthrie due to hypothermia. Nearly 10 inches of snow fell across Guthrie the 2 previous days, and highs on the 28th were only in the mid 20s.

M67OU

OKZ025 Oklahoma

30	1200CST				1	0			Extreme Cold
----	---------	--	--	--	---	---	--	--	---------------------

A 49-year old woman was found dead in the snow in her neighbor's front yard in Oklahoma City due to hypothermia. Nearly 10 inches of snow fell across Oklahoma City several days before, and highs on the 30th were only in the 30s.

F49OU

OREGON, Central and East

ORZ046-048>049 Blue Mountains - Ochoco-John Day Highlands - Grand Ronde Valley

03	1200PST				0	0			Heavy Snow
04	1200PST								

Widespread heavy snow affected the Blue Mountains, the John Day Highlands, and the Grande Ronde Valley in Eastern Oregon. Meacham, at 4000 ft. in the Blue Mountains, received 10 inches of snow in 24 hours. Another rural location 8 miles northwest of Seneca in the John Day Highlands had 8 inches. Accumulations of up to 6 inches in the Grande Ronde valley made this storm the heaviest of the season. Both North Powder and Elgin, located at 2400 ft. in the valley, received 6 inches. La Grande had varying amounts of between 2 and 4 inches.

This storm caused delays on local streets and closed Interstate - 84 through Ladd Canyon for 4 hours early in the morning of the 4th. Strong winds created 6 foot drifts near Imbler and closed schools in both Imbler and North Powder.

ORZ041-044 Eastern Columbia River Gorge - Lower Columbia Basin

08	1200PST 1440PST				0	0	50K		High Wind
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High winds spawned by a deep low pressure center off the Pacific Northwest coast toppled several trees and created sporadic power outages in The Dalles during the afternoon. Gusts estimated at up to 55 mph downed power lines. The largest power outage lasted around 2 hours and affected the Cascade Square neighborhood in The Dalles. Winds from the same storm blew down a wall from a building under construction in Hermiston at around 2:40 pm. This wall fell on the front end of a pickup truck, causing minimal damage.

ORZ043 Central Oregon

10	0300PST 1600PST				1	0			Heavy Snow
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11 inches of new snow fell in La Pine at an elevation of 4200 ft in Deschutes County. Sisters received 9 inches and Sunriver had 6 inches. Mt. Bachelor recorded 29 inches of snow in 24 hours. This storm led to a fatality when icy roads caused a collision between a car and a logging truck on Highway 26 at the Ochoco Reservoir east of Prineville. F30VE

ORZ045>048 Foothills Of The Blue Mountains - Blue Mountains - John Day Basin - Ochoco-John Day Highlands

10	0600PST				0	0			Heavy Snow
11	1100PST								

A widespread heavy snowstorm affected much of Oregon and Washington above 2600 ft. In the Blue Mountains of eastern Oregon, accumulations of around one foot were recorded. Tollgate, at an elevation of 5200 ft, recorded 12 inches overnight. Meacham, at 4000 feet, had 12 inches as well. In the John Day Highlands, a location 8 miles northwest of Seneca had 8 inches the morning of the 11th. Condon, in the foothills of the Blue Mountains at 2900 ft, received 6 inches in 12 hours. Another location 18 miles east of Heppner, had 10 inches. In the John Day Basin, Winlock at 3100 ft, recorded 9 inches.

ORZ046 Blue Mountains

12	0500PST 1700PST				0	0			Heavy Snow
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8 inches snow fell during the day at Tollgate, with an elevation of 5200 ft in the Blue Mountains.

Storm Data and Unusual Weather Phenomena

January 2000

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

OREGON, Central and East

ORZ042-044 North Central Oregon - Lower Columbia Basin

23	1100PST			0	0		Heavy Snow
	2300PST						

Widespread snow fell in North Central Oregon, the Columbia Basin, and the foothills of the Blue Mountains during the afternoon and evening of the 23rd. Madras, at an elevation of 2300 ft, received the most snow of 7 inches. Hermiston, at 600 ft, received 4 inches. This storm closed schools in both Madras and Stanfield on the 24th.

ORZ046 Blue Mountains

31	2200PST			0	0		Winter Storm
	2359PST						

Strong winds ahead of a winter storm briefly closed Interstate 84 through Ladd Canyon overnight. Winds measured at 38 mph with gusts up to 50 mph reduced visibilities to less than 1/8 mile and created snow drifts of 2 to 3 feet across several roads in the Grande Ronde Valley and in Ladd Canyon.

OREGON, Northwest

ORZ011 Northern Oregon Cascades

01	1900PST			0	0		Heavy Snow
	1800PST						

A strong Pacific frontal system brought heavy snow to the Cascade Mountains, the Cascade Foothills, and the Coastal Mountains. In the Cascades snow accumulations included 23 inches at Timberline and Santiam Pass, 25 inches at Mt Hood Meadows, and 19 inches at Blue Box Pass. In the Foothills, Marion Forks accumulated 11 inches, and in the Coastal Mountains Buxton had 6 inches and Sunset 2 inches.

ORZ001>002 Northern Oregon Coast - Central Oregon Coast

03	2100PST			0	0		High Wind (G61)
	1600PST						

Strong winds associated with a strong offshore storm buffeted the North and Central Oregon Coast. Cannon Beach reported gusts to 70 mph, Sea Lion Caves and Newport both reported gusts to 45 mph and Astoria reported gusts to 59 mph.

ORZ004>005-011 Central Coast Range Of W Oregon - Lower Columbia - Northern Oregon Cascades

10	1200PST			0	0		Heavy Snow
	1300PST						

An intense, prolonged winter storm brought heavy snow to much of Northwest Oregon. Thirty six hour snow accumulations included 61 inches at Timberline, Mt Hood Meadows 55 inches, Santiam Pass 59 inches, Blue box 64 inches, Mt Bachelor 35 inches and Bennett Pass 28 inches. In the Coastal Mountains Mist had 15 inches, Sunset 22 inches, Buxton 20 inches and Wilson River Highway Summit 14 inches. In the Cascade Foothills, Marion Forks had 34 inches, Detroit 24 inches and Estacada 18 inches. Along the Coastal Beaches Tillamook had 2 to 3 inches and Seaside 2 inches. In the Portland Hills Skyline Boulevard locations reported 9 to 13 inches, with 7 to 10 inches at Sylvan and in the West Hills. Newburg in the Central Willamette Valley reported 6 inches and Cheshire in the Southern Willamette Valley reported 4 inches.

ORZ001-004-009 Northern Oregon Coast - Central Coast Range Of W Oregon - Western Columbia River Gorge

16	0600PST			0	0		High Wind (G100)
	2000PST						

An intense Pacific low pressure center moving across Northwest Oregon brought very strong winds to the area. Along the coast, Cannon Beach reported a gust to 115 mph, Netarts 85 mph, Newport had sustained 60 to 70 mph winds with gusts to 87 mph, Newport Jetty had sustained winds 56 mph with gusts to 80 mph, and Arch Cape reported gusts to 80 mph. In the Cascades, Timberline Lodge on Mt Hood reported winds to 94 mph and Mt Hood Meadows 86 mph. Portland International Airport reported gusts to 59 mph and Salem reported 60 mph gusts. Reported damages included a house blown off its foundation at Netarts, and widespread downed trees near Florence and Lincoln City. Clatsop County reported roof damages, power outages and brief road closures due to downed trees.

ORZ009 Western Columbia River Gorge

29	0100PST			0	0		High Wind (G53)
	0300PST						

Strong easterly winds through the Columbia River Gorge produced gusts to 61 mph at Corbett and 59 mph at Rooster Rock.

ORZ002 Central Oregon Coast

31	0900PST			0	0		High Wind (G51)
	2359PST						

The final Pacific storm of the month brought sustained winds of 54 mph with gusts to 59 mph at Sea Lion Caves.

OREGON, Southeast

ORZ062 Baker

09	0600PST			0	0		Winter Storm
	1100PST						

A moist Pacific frontal system moved through southeast Oregon with widespread heavy snow. Over 13 inches of new snow was reported at both Schneider Meadows and Wolf Creek and 10 inches or more were reported at Baker City and Halfway.

Storm Data and Unusual Weather Phenomena

January 2000

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

OREGON, Southwest

	16/1145	22.13	21.0
	16/1745	22.02	21.0
	17/0245	21.90	21.0
	17/0845	21.80	21.0
	17/2045	21.1	21.0

ORZ031 N. Fork Coquille at Myrtle Point 14/1000 35.03 35.0
Central & Eastern Lake County

11 1456PST 0 0 High Wind (G53)

The Lakeview ASOS reported sustained wind of 53 KT gusting to 79 KT. A sudden and short-lived wind storm struck the Lakeview airport on this date. Winds exceeding warning criteria began at 11/1455 PST and ended at 11/1520 PST. A High Wind Warning was issued after the fact at 11/1539 PST and was cancelled at 11/1652 PST after no further winds were reported. The highest sustained wind and gust is listed above. The only reported damage was that a few signs were blown over.

ORZ022 **Curry County Coast**

13 0800PST 0 0 Flood

See below.
 The Curry Coastal Pilot (Brookings, OR) newspaper reported extensive urban and small stream flooding due to heavy rains. Brookings recorded 4.72 inches of rain, a record for the date. The article called the flooding "massive" but the article only listed relatively minor flooding...a few inches of water got into a number of buildings. Nearly all the spotter reports from the area just gave 24 hour rainfall totals, which were impressive, but not catastrophic. Some mudslides were also reported. The Pistol River was reported over its banks.

ORZ027>028-030 No warning was issued for this area, but an Urban/Small Stream Flood Warning would have been appropriate.
South Central Oregon Cascades - Siskiyou Mountains & Southern Oregon Cascades - Northern & Eastern Klamath County & Western Lake County

13 1024PST 0 0 Heavy Snow
14 1000PST

Crater Lake co-op observer reported 24 hour snow totals of 8.5 inches on 01/13 and 9.2 inches on 01/14. A Heavy Snow Warning was issued for zones ORZ028 and ORZ030 at 13/0912 PST. The warning for ORZ028 was later downgraded to a Snow Advisory at 13/1607 PST. The warning for ORZ030 was cancelled at 13/1607 PST.

ORZ023-023 **Central Douglas County**

13 1718PST 0 0 Flood
14 0302PST

Spotter DO14 reported that Deer Creek was flooding over the road. Based on river stage forecasts, two Small Stream Flood Advisories were issued. The first, for Elk Creek, was issued at 13/1130 PST and cancelled at 14/0500 PST. The second, for Deer Creek, was issued at 13/1800 PST and cancelled at 14/0900 PST.

ORZ022-024 **Curry County Coast - Eastern Curry County & Josephine County**

14 0721PST 0 0 Flood
15 0318PST

See below.
 A Flood Warning was issued for the lower Rogue River from Agness to Gold Beach at 14/0721 PST and cancelled at 15/0318 PST. Stage readings follow:

Site	Date/Time (PST)	Stage	Flood Stage
Rogue River at Agness, Oregon	14/0645	17.13	17.0
	14/1245		18.79 17.0
	14/2145		17.41 17.0
	15/0245		16.3 17.0

ORZ021-021>022-022>023 **South Central Oregon Coast - Curry County Coast - Central Douglas County**

16 0400PST 0 0 High Wind (G60)
19 0800PST

Cape Blanco reported sustained winds 55 KT gusting to 70 KT. A High Wind Warning was issued for zones ORZ021 (South Central Oregon Coast) and ORZ022 (Curry County Coast) at 15/1431 PST and cancelled at 16/1609. Three stations verified, and their peak sustained and peak gust winds are listed above. The Curry Coastal Pilot (Brookings, OR) reported downed trees and power lines in association with this storm. They also reported that the winds gusted up to 47 mph, but did not mention the source of this information. The News-Review (Roseburg, OR) newspaper reported numerous trees down with associated damage in Central Douglas County (ORZ023), mostly near the towns of Winston and Green. No warning was issued for this zone, and no spotter reports of high winds were reported.

Storm Data and Unusual Weather Phenomena

January 2000

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

PENNSYLVANIA, Central

PAZ012-018>019-024>028-034>036-041>042-045>046-049>053-056>059-063>066 **Northern Clinton - Northern Centre - Southern Centre - Cambria - Blair - Huntingdon - Mifflin - Juniata - Bedford - Fulton - Franklin - Northern Lycoming - Sullivan - Southern Clinton - Southern Lycoming - Union - Snyder - Montour - Northumberland - Columbia - Perry - Dauphin - Schuylkill - Lebanon - Cumberland - Adams - York - Lancaster**

30	1200EST								
31	0700EST				0	0			Heavy Snow

Low pressure moved east across Pennsylvania late on Super Bowl Sunday, dropping moderate to heavy snow across much of the central part of the state. By late evening, a second area of low pressure developed along the Delaware coast and moved northeast, strengthening over New Jersey. Heaviest snow fell across the Susquehanna region as the low over Delaware added moisture to the system. Accumulations of about 6 inches or more extended east of a line from Somerset to State College to Laporte. About 10 to 12 inches were reported across the higher elevations west of Gettysburg, in Schuylkill County northeast of Pottsville, and in Columbia and Sullivan counties.

PENNSYLVANIA, East

PAZ054>055-060>062-067>071 **Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia**

02	1000EST								
04	1700EST				0	0			Unseasonably Warm

A large high pressure system at the surface and in higher levels of the atmosphere over the western Atlantic Ocean continued the flow of mild and unseasonably warm air into the Middle Atlantic States. High temperatures were in the mid 50s to the mid 60s on the 2nd and 3rd and were in the 60s on the warmest day, the 4th. A daily high temperature record was set on the 3rd (63 degrees) at the Philadelphia International Airport. Due to higher historical records, no new daily temperature records were set on the 4th in Philadelphia or Allentown. A backdoor cold front tried to move south through Pennsylvania the night of the 2nd, but the strong ridge prevented its southward progress. A stronger cold frontal passage late in the afternoon on the 4th brought an end to the unseasonably warm weather. The highest temperatures included 68 degrees at the Franklin Institute within Philadelphia and Neshaminy Falls (Bucks County), 67 at the Philadelphia International Airport, 66 degrees in Easton (Northampton County) and Pottstown (Montgomery County), 65 degrees at the Lehigh Valley International Airport, Reading (Berks County) and Crum Creek (Delaware County), 64 degrees in Doylestown (Bucks County), 63 degrees in Springtown (Bucks County), 62 degrees in East Stroudsburg (Monroe County) and the Wilkes-Barre/Scranton International Airport (Luzerne County) and 58 degrees in Mount Pocono (Monroe County).

PAZ071 **Philadelphia**

10	1600EST								
	1615EST				0	0	0		Wind

Strong southwest winds above the surface briefly mixed down to the ground during the late afternoon of the 10th in Philadelphia. A peak wind gust of 46 mph occurred at the Philadelphia International Airport at 405 p.m. EST. Peak wind gusts at surrounding airports were around 30 mph.

PAZ054>055-060>062-067>071 **Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia**

11	1000EST								
	1200EST				0	0			Wind

A strong cold front produced wind gusts to around 50 mph as it pushed through Eastern Pennsylvania during the late morning of the 11th. The strong winds knocked down tree limbs and some wires. PECO Energy reported about 21,000 homes and businesses lost power in Southeast Pennsylvania from this cold frontal passage and a second wave of strong gusty winds that occurred later that afternoon. The strongest winds occurred with the cold frontal passage in most areas. Peak wind gusts included 55 mph in Langhorne (Bucks County), 51 mph at the Philadelphia International Airport, 48 mph at the Lehigh Valley International Airport, 47 mph in Mount Pocono (Monroe County) and 44 mph in Pottstown (Montgomery County) and Reading (Berks County).

PAZ054>055-060>062-067>071 **Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia**

11	1600EST								
	1900EST				0	0			Wind

For the second time in the day, strong gusty winds spread across Eastern Pennsylvania. This was triggered by an upper air disturbance that helped develop showers. These showers subsequently mixed down some of the stronger winds aloft to the ground. Peak wind gusts with this second wave were slightly lower than the winds that accompanied the initial cold frontal passage and averaged between 40 and 45 mph. The winds were strong enough to knock over one tree in Upper Darby Township. PECO Energy reported about 21,000 homes and businesses lost power in Southeast Pennsylvania from both the cold frontal passage and the second wave of strong gusty winds. Peak wind gusts with the second wave included 44 mph at the Lehigh Valley International Airport and 40 mph at the Philadelphia International Airport.

PAZ054>055 **Carbon - Monroe**

13	0500EST								
	1500EST				0	0			Snow

Storm Data and Unusual Weather Phenomena

January 2000

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

PENNSYLVANIA, East

A weak Alberta low brought the first widespread measurable snow to the Poconos of the winter season. Accumulations though were on the light side and ranged from less than an inch in the valleys to around two inches over the higher terrain. Slippery road conditions led to several accidents across the area. At 1130 a.m. EST in Swiftwater (Monroe County), a tractor trailer rolled onto its side and blocked eastbound Interstate 80 between Bartonsville and Tannersville for two hours. In Middle Smithfield Township, the driver of a car that slid off the road was seriously injured. Accumulations included 1.5 inches in Long Pond (Monroe County) and 0.8 inches in East Stroudsburg (Monroe County).

PAZ071

Philadelphia

14	0100EST 0900EST			2	0		0		Extreme Cold
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One of the coldest air masses of the season worked its way into the Philadelphia region during the night of the 13th and morning of the 14th. The low temperature of 17 degrees at the Philadelphia International Airport was the lowest reading so far this winter. The gusty northwest winds produced wind chill factors below zero overnight. As a result code blues were in effect in Philadelphia and some of the surrounding counties. Two homeless men died within Philadelphia the morning of the 14th of exposure. A 69-year-old man was found dead underneath a railroad overpass in the Spring Garden section of the city. A 48-year-old male was found dead near an overpass in the Grays Ferry section of the city. M69OU, M48OU

PAZ054>055- 060>062-067>071

Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia

16	2100EST 2300EST			0	0				Wind
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A strong cold front moved through Eastern Pennsylvania late in the afternoon on the 16th. This cold frontal passage initiated the coldest three week period of the winter season. As the cold air continued to barrel into the area Sunday evening, wind gusts reached to around 45 mph. Tree limbs were knocked down on wires in Palmer Township in Northampton County. In western Chester County, scattered outages affected less than 1,000 homes and businesses. The peak wind gust was 46 mph at both the Philadelphia and Lehigh Valley International Airports.

PAZ054>055- 060>062-067>069- 071

Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Philadelphia

20	0400EST 2300EST			0	0				Snow
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PAZ070

Delaware

20	0500EST 2300EST			0	0				Heavy Snow
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A pair of low pressure systems, one that moved from the Northern Plains into western Pennsylvania before dissipating and a second one that developed near Wilmington North Carolina the morning of the 20th produced a steady snow across Eastern Pennsylvania with the heaviest snow in the southeast part of the state. This was the first widespread accumulation of the winter season. It was also the latest measurable inch in East Stroudsburg since the winter of 1965-66. Snow overspread the region during the predawn hours on the 20th and ended from west to east that evening. Most accumulations were between 2 and 5 inches.

The snow led to numerous accidents, some of them serious. At 4 p.m. EST a Ford Explorer slid into a curb on the Park Avenue Bridge in Stroudsburg (Monroe County). The vehicle went into the air, struck a guardrail and knocked a large chunk of concrete onto Interstate 80. The driver and two children were injured, but no problems occurred on Interstate 80 itself. In Berks County, Pennsylvania State Route 501 was closed twice because of accidents in Bethel Township. The intersection of Pennsylvania State Routes 662 and 73 in Oley Township was closed because of numerous accidents. In Chester County, one man suffered a heart attack and died after being involved in an auto accident. U.S. Route 30 in East Whiteland Township and Pennsylvania State Route 100 in Upper Uwchlan Township were closed because of accidents and icy conditions. Thursday's (the 20th) rush hour traffic crawled on both Interstates 95 and 76 in and around Philadelphia with numerous fender benders. Most schools were closed in Berks, Chester and Delaware Counties. Many others had early dismissals. The Philadelphia International Airport had dozens of canceled flights, many involving other northeast destinations.

Accumulations across the region (going southeast to northwest) included: in Philadelphia 2.5 inches at both the Franklin Institute and the Philadelphia International Airport; in Delaware County 5 inches in Springtown and 3.5 inches in Newtown Square; in Chester County 5 inches in Honey Brook and Valley Forge and 3.8 inches in Glenmoore; in Montgomery County 4 inches in Willow Grove and 3.5 inches in Palm; in Bucks County 4 inches in Perkasie, Springtown and Southampton and 3.5 inches in Doylestown; in Berks County 5.5 inches in Robesonia, 3 inches at the Blue Marsh Lake and 2.4 inches in Hamburg; in Lehigh County 4 inches in Breinigsville and 1.5 inches at the Lehigh Valley International Airport; in Northampton County 1.7 inches in Bath; in Carbon County 3.8 inches in Lehigh and in Monroe County 3 inches in Long Pond, 2 inches in Tobyhanna and 1.9 inches in East Stroudsburg.

PAZ067>071

Chester - Montgomery - Bucks - Delaware - Philadelphia

25	0400EST 2300EST			0	0				Winter Storm
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Storm Data and Unusual Weather Phenomena

January 2000

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

PENNSYLVANIA, East

PAZ054>055-060>062 Carbon - Monroe - Berks - Lehigh - Northampton

25	0600EST			0	0	Heavy Snow
26	0000EST					

The most intense and widespread winter storm since the Blizzard of 1996 buried Eastern Pennsylvania on the 25th with around 12 inches of snow. Sleet and freezing rain mixed in with the snow across Southeast Pennsylvania. Schools and government offices were closed on the 25th. So were many businesses. Pop music acts cancelled their performances at Philadelphia's First Union Center. Many malls never opened or closed early. Many schools and government offices around the Philadelphia area were still closed on the 26th. Most municipalities declared snow emergencies. Numerous accidents occurred and traffic on several major roadways were at a standstill for several hours. There were at least three confirmed deaths from heart attacks shoveling snow. Philadelphia International Airport was closed from 730 a.m. EST until 515 p.m. EST (about 1200 cancellations). One runway was reopened that evening. The Lehigh Valley International Airport was also closed. Amtrak cut its service in half and trains ran late. About 2,000 homes and businesses lost power, mainly in the Philadelphia area.

The snow began with a vengeance between 4 a.m. and 7 a.m. EST across Eastern Pennsylvania. Snowfall rates of around 2 inches per hour were common during the first couple hours of this storm. By the morning rush hour, several inches had already accumulated around the Philadelphia area. After sunrise, as warmer air came in above the ground and the precipitation intensity slackened, the snow began mixing with and changing over to sleet and freezing rain across Southeast Pennsylvania. It was still snowing across the rest of Eastern Pennsylvania, but at a lighter rate. Nevertheless by mid morning there was already 5 inches of snow on the ground in Berks County and by noon, there was already 6 inches of new snow in Stroudsburg (Monroe County). Southeast Pennsylvania spent most of the daylight hours in the storm's "dry slot" - an area of lighter precipitation. As colder air became more deeply entrenched, after 2 p.m. EST, the wintry mix started to change to sleet and then snow. Precipitation was mainly snow with a little sleet mixed in around Philadelphia during the evening. The change to mainly snow coincided with another heavier band of precipitation that affected Eastern Pennsylvania during the evening of the 25th. The snow ended by Midnight EST.

The heavy snow led to hundreds of accidents. It also caused three men (83 and two 64-year-olds) in Monroe County to die from heart attacks after shoveling snow. In Easton (Northampton County), the U.S. Route 22 bridge was closed for 90 minutes after a tractor trailer struck a guardrail. An overturned sports utility vehicle forced the closure of Lehigh Drive in Easton. In Berks County, at about 230 p.m. EST, two people were seriously injured in a 4 vehicle accident near Exit 8 of Interstate 78 in Upper Bern Township. The westbound lanes were closed until 830 p.m. EST. An emergency shelter was opened for stranded motorists in Hamburg. Four foot drifts formed on the interstate. Elsewhere in Berks County, several vehicles drove off the road of U.S. Route 222 in Maxatawny Township. Old U.S. Route 22 in the northern part of the county was closed because of snow drifts. In Delaware County, as many as 20 drivers were stranded along U.S. Route 1, Interstate 95 and the Blue Route (Interstate 476). In the Philadelphia area, the Schuylkill Expressway (Interstate 76) between Gulph Mills and U.S. Route 202 was described as a nightmare during the day as 15 tractor trailers became stuck halting traffic for five hours.

Total Accumulations (going from northwest to southeast across the region) included: in Monroe County 13 inches in Saylorsburg, 11 inches in Long Pond, 10 inches in Bossardsville and East Stroudsburg, 7 inches in Scotia and 6.5 inches in Pocono Summit; in Northampton County, 14 inches in Williams Township and 7 inches in Bath; in Lehigh County 10 inches at the Lehigh Valley International Airport, 7 inches in Allentown; in Berks County 11 inches at the Blue Marsh Lake, 10 inches in Morgantown and Vinemont, 8 inches in Kutztown and Lincoln Park; in Chester County 12 inches in Kennett Square and West Barlborough Township, 11 inches in Downingtown and West Chester, 9 inches in Coatesville and 8 inches in Honey Brook and Glenmoore; in Montgomery County 14 inches at the Willow Grove NAS, 12 inches in Wynnwood, 11.5 inches in Norristown, 11 inches in King of Prussia and 7 inches in Pottstown; in Bucks County 13.6 inches in Chalfont, 12.5 inches in Furlong, 12 inches in Doylestown and 9 inches in Springtown and Langhorne; in Delaware County 11 inches in Springfield and 9 inches at the Philadelphia International Airport.

The low pressure system responsible for the winter storm began as a weak low pressure system on a stationary front in southern Texas on the 23rd. By the morning of the 24th, it was located in the northeastern Gulf of Mexico near Apalachicola, Florida. Initial projections were for this storm system to stay far enough offshore for the heaviest precipitation to fall over the ocean and a more significant storm was expected on Wednesday the 26th. But, by Monday evening the 24th, it became apparent that the storm would not safely go out to sea. In fact, it was intensifying and hugging the South Atlantic Coast. By 7 a.m. EST on the 25th, it was about a 980 millibar low just northeast of Cape Hatteras. The storm's greatest intensification was over, but it moved northeast near the Atlantic Seaboard, instead of eastnortheast as was originally expected. At 7 p.m. EST, the storm was about a 975 millibar low located about 80 miles east of Long Beach Island, New Jersey. It proceeded to move northeast and weaken and at 7 a.m. EST on the 26th, it was a 988 millibar low just east of Portland Maine. This storm system pushed the cold front well offshore. The third low that did develop on Wednesday the 26th was too far offshore to affect the region other than reinforcing the preexisting cold northwest flow.

PAZ060>062-067>071 Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia

30	1500EST			0	0	Winter Storm
31	0100EST					

Storm Data and Unusual Weather Phenomena

January 2000

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

PENNSYLVANIA, East

PAZ054>055

Carbon - Monroe

30	1600EST								
31	0300EST			0	0				Heavy Snow

A low pressure system developed in the western Gulf of Mexico during the day on the 28th. It slowly moved eastnortheast and by Sunday morning the 30th was located near Apalachicola Florida, not too far from the location of the January 25th storm. Unlike the previous storm, this one tracked farther to the west and moved northeast along the Atlantic Seaboard. By the morning of the 31st, it was located near Boston, Massachusetts. The farther westward storm track permitted warm air near the surface and aloft to move into Pennsylvania, particularly the Philadelphia area during the event. There was less cold air present at the start of the storm, especially nearer the coast. Most of it was in the lowest layers of the atmosphere. This led to the more typical potpourri of weather across Eastern Pennsylvania with primarily snow in the Poconos and a wintry mix farther south and east.

Precipitation started during the afternoon as snow throughout the state. By early evening precipitation had changed to sleet and freezing rain around the immediate Philadelphia area, but the transition away from snow was painfully slow farther north and west as heavy snow continued to fall. Around 9 p.m. EST enough warm air had moved into the local Philadelphia area to change the precipitation to plain rain. Meanwhile a transition to sleet with some freezing rain was occurring in the Lehigh Valley and Philadelphia's far northwestern suburbs. As the low pressure system made its closest pass to the area during the evening, colder air started to return on its west side and the sleet changed back to snow in both Pottstown (Montgomery County) and Allentown (Lehigh County) after 10 p.m. EST. Precipitation ended from south to north from midnight through 3 a.m. EST on the 31st. Temperatures never made it above freezing except for the local Philadelphia area. Accumulations were highest in the Poconos where precipitation fell as snow throughout the event. The greatest accretion of ice, around one-third of an inch, occurred in the local Philadelphia area.

Untreated roadways were very treacherous and high traffic volume due to Super Bowl Sunday exacerbated the problems. Within Philadelphia there were numerous minor accidents. In hilly Manayunk bus routes were either cancelled or rerouted. Chester County emergency personnel responded to about 20 vehicular accidents. Snow emergencies were declared in 8 municipalities in Montgomery County. The accretion of ice, snow and sleet downed wires and caused power outages to 5,000 homes and businesses in Philadelphia's suburbs. In Monroe County the heavy snow forced the cancellation of schools on Monday the 31st.

Snowfall accumulations included: in Carbon County 6 inches in Albrightsville; in Monroe County 11 inches in East Stroudsburg, 10.6 inches in Bossardsville and 9.5 inches in Pocono Summit.; in Berks County 7.5 inches in Mertztown, 7 inches in Blue Marsh Lake and Hamburg and 6 inches in Bechtelsville; in Lehigh County 7 inches in Fogelsville and 6 inches at the Lehigh Valley International Airport; in Northampton County 8 inches in Williams Township and 6.8 inches in Bath; in Chester County 5.6 inches in Glenmoore, 4 inches in West Chester and 3 inches in Downingtown; in Montgomery County 6 inches in Palm, 5.5 inches in Pottstown and 2 inches in Wynnewood; in Bucks County 7 inches in Springtown, 4 inches in Sellersville and 2.1 inches in Furlong and 2 inches at the Philadelphia International Airport.

PENNSYLVANIA, Northeast

PAZ038>039

Bradford - Susquehanna

12	2300EST								
13	1500EST			0	0				Heavy Snow

A low pressure system tracked across Ohio into Maryland late on the 12th spreading snow into the Northern Tier of Pennsylvania. The low tracked off the mid-Atlantic coast during the day of the 13th. Snow continued across the area during the morning of the 13th before tapering off to a few flurries during the afternoon. Generally between 3 to 6 inches of snow fell. Many automobile accidents were reported throughout the area, but none were serious. Numerous schools closed.

PAZ038>040-043>044-047>048

Bradford - Susquehanna - Wayne - Wyoming - Lackawanna - Luzerne - Pike

20	0200EST								
21	1200EST			0	0				Heavy Snow

A low pressure system formed during the early morning hours of Thursday the 20th off the mid-Atlantic coast. The low intensified rapidly as it moved northeast during the day and was located off the Delaware coast by evening. Snow overspread northeast Pennsylvania after midnight on the 20th and continued throughout the day. Cold northwest winds behind the low generated lake effect snow showers Thursday night into Friday. Generally, between 2 to 5 inches of snow fell. Scores of motor vehicle accidents were reported, including one fatality. There were also a number of school closings.

PAZ038>040-043>044-047>048

Bradford - Susquehanna - Wayne - Wyoming - Lackawanna - Luzerne - Pike

25	0500EST								
26	0800EST			0	0				Heavy Snow

A major winter storm impacted northeast Pennsylvania from Tuesday the 25th until early Wednesday the 26th. Low pressure rapidly developed and tracked up the mid-Atlantic coast on Tuesday, reaching just off of the tip of Long Island by evening. The storm then moved along the New England coast into the Canadian Maritimes on Wednesday. Heavy snow spread into the Pocono Mountains early Tuesday morning and across the rest of northeast Pennsylvania by midday Tuesday. The snow continued heavy at times into the evening hours, before tapering off to snow showers Tuesday night and early Wednesday. Gusty north winds led to considerable blowing and drifting of the snow over the entire area. Total snowfall ranged from 10 to 15 inches over the Pocono Mountains to 5 to 12 inches across the northern tier counties and Wyoming Valley. The storm was blamed on two highway deaths.

Storm Data and Unusual Weather Phenomena

January 2000

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

PENNSYLVANIA, Northeast

PAZ038>040-043>044-047>048 **Bradford - Susquehanna - Wayne - Wyoming - Lackawanna - Luzerne - Pike**

30	2200EST				0	0			Heavy Snow
31	1400EST								

Low pressure organized over the North Carolina coast Sunday evening the 30th and tracked north up the eastern seaboard to southern New England by Monday morning the 31st. The low moved into the Canadian Maritimes by Monday evening. Heavy snow spread into northeast Pennsylvania during the late evening Sunday. The snow tapered off during the late morning and early afternoon hours Monday across the area. Snowfall rates reached up to 2 inches per hour at times over the Poconos where the highest snowfall amounts occurred. Snowfall totals ranged from 12 to 18 inches across the Poconos, to around 10 inches in the Wyoming Valley of northeast Pennsylvania. Bradford county in northern Pennsylvania saw between 3 and 8 inches of snowfall.

PENNSYLVANIA, Northwest

PAZ002 **Southern Erie**

20	0100EST				0	0	40K		Heavy Snow
	2300EST								

Snow began during the early morning hours on the 20th as an area of low pressure moved up the Ohio Valley. Cold northwest flow behind the low resulted in lake enhanced snow during the afternoon and evening hours. Generally, six to eight inches of snow fell across the southern half of Erie County with localized amounts of up to 14 inches reported.

PAZ002>003 **Southern Erie - Crawford**

21	0500EST				0	0	40K		Heavy Snow
	2300EST								

Cold northwest flow over Lake Erie led to the development of lake effect snow bands. The snow began during the early morning hours and continued into the evening hours. Six to eight inches of snow fell over much of Crawford and Erie counties with 10 inches reported at Edinboro.

PENNSYLVANIA, West

PAZ007-009-013>015-020>021-021-021>023-029-029>030-032-032 **Mercer - Forest - Lawrence - Butler - Clarion - Beaver - Allegheny - Armstrong - Indiana - Washington - Westmoreland - Fayette**

10	1330EST				0	0	50K		High Wind (G50)
	1700EST								

A strong cold front associated with a deepening area of low pressure blew through western Pennsylvania during the afternoon of the 10th. Behind this front, strong winds gusting in excess of 50 knots were found across many counties in western Pennsylvania, resulting in numerous downed trees and power lines.

PAZ016-023-030-032 **Jefferson - Indiana - Westmoreland - Fayette**

20	1200EST				0	0			Winter Storm
21	1600EST								

A winter storm passed south of the area, producing an initial round of light snow starting just after midnight on the 20th. By midday on the 20th, accumulations of between 2 and 4 inches of snow were common across the counties as the storm passed off to the east.

However, during the afternoon of the 20th, strong northwest winds developed in the wake of the storm. These winds produced several additional inches of orographically enhanced snows across the higher elevations in the extreme eastern parts of the counties. These orographically enhanced snows started in the afternoon of the 20th and continued through the afternoon of the 21st. By the time the snow tapered to flurries across the area, storm totals of 3 to 6 inches were found across the eastern parts of Jefferson and Indiana Counties. To the south, storm totals of between 4 and 8 inches were reported over the higher elevations of eastern Westmoreland and Fayette Counties, with up to a foot found over the highest ridges. These strong northwest winds also produced windchills as cold as -30 F across the entire area during the event.

PAZ032 **Fayette**

26	1200EST				0	0			Winter Storm
27	0500EST								

Strong northwest winds in the wake of an area of low pressure passing to the east brought orographically enhanced snows to the area. Across the western parts of the county, snowfall totals were generally between 1 and 3 inches. However, over the higher elevations in extreme eastern Fayette County, snowfall totals of between 5 and 7 inches were common, with a storm total of 9 inches reported in Farmington.

PUERTO RICO

PRZ005-113 **Aguadilla - Ponce**

15	2200AST				0	0			High Wind (G61)
17	0200AST								

Storm Data and Unusual Weather Phenomena

January 2000

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

RHODE ISLAND

Sustained winds of 25 to 35 mph were common, with gusts of 50 to 55 mph. No wind damage was reported.

RIZ006>007

Washington - Newport

21	1800EST								
22	0500EST			0	0				Strong Wind

Arctic high pressure building into the region brought gusty northwest winds and bitterly cold wind chills to Rhode Island. The strongest winds were felt along the south coast, where sustained winds of 25 to 35 mph were reported, with peak gusts of 45 to 50 mph. No wind damage was reported.

RIZ001

Northwest Providence

25	0600EST								
	1800EST			0	0				Heavy Snow

A winter storm tracking from south of Long Island to southeast Massachusetts brought heavy snow to northwest Providence County. Storm totals of 4 to 8 inches were common, with as much as 8 inches in Smithfield. Snowfall amounts were lower heading to Providence and the south coast, as snow turned to mixed precipitation and eventually rain. T.F. Green State Airport reported 2.8 inches of snow from the storm, but about 70 percent of the flights were canceled, mostly because planes never arrived at the airport from other snow-bound airports in the East. About 30 minor accidents were reported during the storm.

SOUTH CAROLINA, Central

Edgefield County

6 E Edgefield	10 0644EST								
				0	0	0	0		Thunderstorm Wind (G50)

Sheriff reported trees down on Chappel Ferry Rd.

Mccormick County

Countywide	10 0646EST								
				0	0	0	0		Thunderstorm Wind (G60)

Sheriff reported trees down on highways 221N and 378E.

Lexington County

Swansea	10 0759EST								
				0	0	0	0		Thunderstorm Wind (G50)

Swansea police reported large branches down around town.

SOUTH CAROLINA, North Coastal

SCZ017-023>024-032>034-039

	18 0400EST			0	0				Freezing Rain
	1200EST								

Although liquid accumulations were only around 0.10 inch...freezing rain and a bit of snow fell across the area during the early morning hours...accumulating mostly on trees and grassy surfaces. Bridges and overpasses were slick and hazardous during the morning commute.

SCZ017-023>024-032

	22 1900EST			0	0				Freezing Rain
	23 0700EST								

Snow began to fall in the late afternoon, accumulating 2 to 3 inches in Marlboro County. In other areas it was mostly rain, freezing during the nighttime on trees and grassy areas. While roads were reported treacherous in parts of Marlboro County, in the other counties roads were reportedly fine. Liquid precipitation accumulations ranged from 0.3 to 1.0 inch.

SCZ017-023>024-032>034-039-046

	24 2000EST			0	0				Winter Storm
	25 0900EST								

As a winter low pressure system intensified along the coast, rain turned to snow inland on the night of the 24th and snow spread to the coast during the early morning of the 25th. Accumulations ranged from around 10 inches in parts of Marlboro County to 5 to 6 inches in the coastal counties. Schools and businesses were closed by this rare snow event.

SOUTH CAROLINA, Northwest

SCZ010

	20 1800EST			1	0				Cold

An elderly woman fell outside her home and was unable to crawl 60 feet back to her house before falling victim to hypothermia. F78OU

SCZ001>002-004>005-009

	22 1800EST			0	0				Snow
	23 0000EST								

Storm Data and Unusual Weather Phenomena

January 2000

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

SOUTH CAROLINA, Northwest

SCZ003-006>008-013 **Greenville Mountains - Greater Greenville - Spartanburg - Cherokee - Union**

22	1800EST				0	0			Heavy Snow
23	0000EST								

SCZ006>007-009>014-019 **Greater Greenville - Spartanburg - York - Anderson - Abbeville - Laurens - Union - Chester - Greenwood**

23	0300EST 1000EST				0	0			Ice Storm
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A cold dome of arctic high pressure centered over the Mid-Atlantic States provided very cold and dry air to Upstate South Carolina. Meanwhile, weak low pressure moved east along a frontal boundary stalled across the Gulf Coast States to the Georgia coast. Abundant moisture flowed north into the sub-freezing air over the Upstate, resulting in light snow as early as the the afternoon on the 22nd. Snow became heavy around 6 pm, with total accumulations between 4 and 7 inches, across the northern halves of Greenville and Spartanburg counties, Cherokee county, and extreme northern Union county. Across the southern half of the Upstate sleet mixed with the snow toward the evening hours. A gradual mix with and eventual changeover to freezing rain occurred between 8 pm and midnight. One to 3 inches of snow and sleet fell across the southern half of the Upstate, before the changeover to freezing rain. Freezing rain lasted all night and through much of the morning on the 23rd. Ice accumulations reached damaging levels around 3 am, causing a large number of trees and power lines to fall throughout the morning. This in turn, resulted in widespread power outages.

SCZ006-010 **Greater Greenville - Anderson**

24	0900EST 2100EST				0	0			Snow
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SCZ007>009-011>014-019 **Spartanburg - Cherokee - York - Abbeville - Laurens - Union - Chester - Greenwood**

24	1000EST				0	0			Heavy Snow
25	0000EST								

Low pressure rapidly deepened near the Carolina coast, wrapping abundant moisture back across the piedmont of the Carolinas. Snow fell all day and into the night, heavy at times south and east of a line from Abbeville to Spartanburg and Gaffney. By the time snow ended, accumulations ranged from 4 to 12 inches in a corridor no more than 100 miles wide. A swath of snowfall around 1 foot covered the area from Laurens to Union, including southern Spartanburg county, and portions of York and Chester counties. Due to the heavy wet snow, numerous power outages occurred. In the city of Clinton alone, there were 200 to 300 trees downed. Flat roofs and metal buildings collapsed as well. Damage figures were not available at the time of this writing, but are estimated to be in the millions of dollars. Light snow fell all day across Anderson and Greenville counties, with accumulations ranging from a trace to as much as 3 inches in extreme southeastern parts. This storm followed no more than 36 hours after the area received a few inches of snow and damaging ice from a previous storm over the weekend.

SCZ010-019 **Anderson - Greenwood**

25	0100EST 0600EST				2	0			Cold
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A man in Anderson county was found frozen to death early in the morning. Authorities believe he stumbled and fell overnight and that alcohol contributed to his death from hypothermia. An elderly woman in Greenwood county became disoriented sometime overnight and succumbed to hypothermia. The low temperature overnight was between 25 and 30 degrees. M39OU, F85OU

SCZ001-004-007>014-019 **Oconee Mountains - Greater Oconee - Spartanburg - Cherokee - York - Anderson - Abbeville - Laurens - Union - Chester - Greenwood**

29	2100EST				0	0			Ice Storm
30	1800EST								

SCZ002>003-005>006 **Pickens Mountains - Greenville Mountains - Greater Pickens - Greater Greenville**

29	2100EST				0	0			Freezing Rain
30	1800EST								

Weakening low pressure in the Ohio River Valley, developing low pressure along the Gulf Coast and cold, arctic air in place across the Carolinas resulted in an icy mess across Upstate South Carolina. Precipitation which briefly began as a light mixture of sleet and snow, quickly turned to freezing rain. By 9 pm on the 29th, freezing rain resulted in a glaze 1/4 to 1/2 inch thick on exposed surfaces. Power outages were common across the region, especially in the Lower Piedmont from Abbeville to Greenwood, where many trees fell and the storm was described as "the worst in 20 years." Greenville and Pickens counties did not experience the damaging ice accumulation, but still had enough ice around to be a nuisance.

SOUTH CAROLINA, South Coastal

SCZ040-042>045-047>050 **Allendale - Hampton - Northern Colleton - Dorchester - Berkeley - Jasper - Beaufort - Southern Colleton - Charleston**

24	1930EST				0	0			Snow
25	0700EST								

Snowfall of 1 to around 2 inches fell over much of south coastal South Carolina with a mixture of small amounts of sleet and freezing rain. Numerous accidents were caused on roadways as this was the first measurable snowfall in much of the area since 1989.

Storm Data and Unusual Weather Phenomena

January 2000

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

SOUTH CAROLINA, South Coastal

SCZ043>045-049>050 Northern Colleton - Dorchester - Berkeley - Southern Colleton - Charleston

26	0100EST 0730EST			0	0		Snow
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For the first time since records have been kept, measurable snowfall occurred on consecutive days from independent events. Snowfall measured around two (2) inches over much of the area as a shortwave moved across the area overnight. The shortwave intensified over the east central counties of the state as no other places in adjoining counties reported any snow at the surface.

SOUTH DAKOTA, Central and North

SDZ003>004-009-015>016-033>035-045-048 Corson - Campbell - Walworth - Dewey - Potter - Stanley - Sully - Hughes - Jones - Lyman

10	1255CST 2000CST			0	0		High Wind (G55)
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High winds gusting to over 60 mph caused some spotty damage across central and north central South Dakota. Near Mobridge, the high winds blew a semi tractor-trailor off the road and tipped it over while it was heading westbound on Highway 12. The semi tractor-trailer sustained quite a bit of damage as a result. The high winds also damaged the windmill at the museum in Mobridge breaking off the tail and bending several of the blades. Some high wind reports included, 56 mph at McLaughlin, 58 mph at Onida and Mobridge, and 63 mph at Pierre.

SOUTH DAKOTA, Southeast

SDZ038-052>053-059 Beadle - Jerauld - Sanborn - Davison

10	1300CST 2000CST			0	0	5K	High Wind (G52)
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Sustained winds near 40 mph with gusts to 60 mph persisted from early afternoon into the early evening. The winds blew down a section of a wall of a bank under construction in Mitchell, and destroyed a storage shed in western Beadle County.

SDZ050-057>058-060-063>065-068>069 Gregory - Brule - Aurora - Hanson - Charles Mix - Douglas - Hutchinson - Bon Homme - Yankton

10	1300CST 2000CST			0	0	30K	High Wind (G43)
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Sustained winds of over 30 mph with gusts to 50 mph persisted from early afternoon into the early evening. The winds blew down the wall of a postal annex under construction in Yankton.

SOUTH DAKOTA, West

SDZ001>002-012>014-025>026-031>032-043-047 Harding - Perkins - Butte - Meade Co. Plains - Ziebach - Northern Foot Hills - Central Foot Hills - Pennington Plains - Haakon - Jackson - Todd

10	0624MST 1500MST			0	0		High Wind (G60)
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A cold front moving through the region created the high wind event for most of western South Dakota. Only minor damage occurred. Several trees in the Rapid City area had broken branches and a storm door window was shattered.

SDZ041 Fall River Co.

27	1800MST			0	0		Heavy Snow
28	0400MST						

A band of heavy snow fell with 6 inches reported in the extreme southwest corner of South Dakota.

TENNESSEE, Central

Grundy County

Altamont	03	0025CST		0	0		Thunderstorm Wind (G50)
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Multiple trees were blown down.

Wayne County

12 E Waynesboro	03	1615CST		0	0		Thunderstorm Wind (G50)
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Sheriff's office reported one tree down near Bethlehem.

Trousdale County

Hartsville	03	1744CST		0	0		Thunderstorm Wind (G50)
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Sheriff's department reported trees were blown down along Sulphur College Road and Oldham Road in the southwest part of the county.

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>TENNESSEE, Central</u>									
Lawrence County									
Leoma	03	1750CST			0	0			Thunderstorm Wind (G50)
			Large tree down on County Road.						
Lewis County									
6 E Hohenwald	03	1900CST			0	0			Thunderstorm Wind (G50)
			Large tree limbs and a tree down at Meriwether Lewis Monument.						
Cannon County									
Half Acre	03	1926CST			0	0			Thunderstorm Wind (G50)
			Highway department reported one tree down on Half Acre Rd.						
Sumner County									
North Portion	03	1930CST			0	0			Thunderstorm Wind (G50)
			EMA reported trees were down across the northern sections.						
Maury County									
6 E Mt Pleasant	03	1948CST			0	0			Thunderstorm Wind (G50)
			One tree was blown down.						
Perry County									
4 W Linden	03	1948CST			0	0			Thunderstorm Wind (G50)
			Large tree on U.S. Hwy 412 blocking the road.						
Perry County									
Pine View	03	1950CST			0	0			Thunderstorm Wind (G50)
			Sheriff's office reported trees were down.						
Perry County									
Chestnut Grove	03	1952CST			0	0			Thunderstorm Wind (G50)
			Trees were down on County Road.						
Sumner County									
West Central Portion	03	2035CST			0	0	0.50K		Thunderstorm Wind
			A car was blown off the road on I-65 and mile marker 110 near White House. The report was from sheriff's office.						
Sumner County									
Westmoreland	03	2110CST			0	0			Thunderstorm Wind (G50)
			Sheriff's office said trees were down.						
Macon County									
Eulia	03	2125CST			0	0			Thunderstorm Wind (G50)
			A tree was down.						
Clay County									
Celina	03	2200CST			0	0			Thunderstorm Wind (G50)
			Tree was blown down.						
Lincoln County									
2 SE Fayetteville	03	2200CST			0	0			Thunderstorm Wind (G50)
			Sheriff's office reported a tree down about 2 miles southeast of Fayetteville on Grisham Rd.						
Moore County									
North Portion	03	2200CST			0	0			Thunderstorm Wind (G50)
			The Highway department reported large tree limbs down over the northern part of the county.						
Wilson County									
Watertown	03	2220CST			0	0			Thunderstorm Wind (G50)
			One tree was blown down.						
Bedford County									
Normandy	03	2230CST			0	0			Thunderstorm Wind (G50)
			Highway department reported 3 trees were blown down.						
Smith County									
South Carthage	03	2230CST			0	0			Thunderstorm Wind (G50)
			Several trees were down.						
Warren County									
North Portion	03	2230CST			0	0			Thunderstorm Wind (G50)
			Highway department reported trees were down in the northern part of the county.						

Storm Data and Unusual Weather Phenomena

January 2000

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

TENNESSEE, Central

CROSSVILLE					2-3			
COOKEVILLE					2-3			
MONTEREY						3.0		
SPRINGFIELD					3-4			
LIVINGSTON					2-3			
CENTERVILLE						4.0		

More snow continued to fall Saturday evening resulting in many school closures by Monday morning.

TENNESSEE, East

Meigs County

Decatur	03	2101EST 2130EST			0	0	10K	Thunderstorm Wind
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Power lines down.

Rhea County

1 S Spring City	03	2101EST 2130EST			0	0	5K	Thunderstorm Wind
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Trees down on Highway 302.

TNZ018-046>047

Johnson - Northwest Carter - Southeast Carter					0	0		Winter Storm
17	2100EST							
18	0700EST							

Generally 3-5 inches of snow fell across parts of extreme northeast Tennessee.

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					0	0		Winter Storm
22	1000EST 1800EST							

Generally 2-4 inches of snow fell across central and northeast portions of East Tennessee, with only a few reports of amounts in the 1-2 inch range and 4-5 inch range. In southeast sections of East Tennessee, generally a mixture of sleet and freezing rain fell, with ice accumulation around 1/8 of an inch.

TENNESSEE, West

Lake County

Ridgely	03	1505CST 1510CST			0	0	0.01K	Hail (0.75)
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Obion County

Samburg to 1 N Union City	03	1520CST 1535CST			0	0	1K	Hail (1.00)
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Several cars had windows broken out of them due to hail.

Obion County

1 N Union City	03	1528CST 1535CST			0	0	10K	Thunderstorm Wind
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Numerous trees were blown down.

TNZ001-019>021-048>054-088>092

Lake - Dyer - Gibson - Carroll - Lauderdale - Tipton - Haywood - Crockett - Madison - Chester - Henderson - Shelby - Fayette - Hardeman - McNairy - Hardin					0	0	0	Heavy Snow
27	2100CST							
28	0900CST							

A major winter storm dumped heavy snow across much of west Tennessee. Two to four inches of snow fell in most locations with 5 to 6 inches of snow reported in McNairy and Fayette counties.

TEXAS, Central

NONE REPORTED.

TEXAS, Central Southeast

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

January 2000

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

TEXAS, Extreme West

NONE REPORTED.

TEXAS, Mid - South

San Patricio County

Odem	06	1515CST 1525CST			0	0			Funnel Cloud
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Reported by Nueces CO Sheriff

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

25	0000CST				4	0			Winter Storm
28	0000CST								

An arctic cold front moved through North Texas on January 24th, bringing much colder weather to the region. On January 25th, an upper level storm moved southeast across Oklahoma and the northeast Red River counties of North Texas, dropping up to an inch of sleet and snow at Paris. A second and stronger upper level storm moved across North Texas on the 26th and 27th, spreading a mixture of rain, freezing rain, sleet, and snow over all of North Texas. Ice accumulations ranged from a trace in the southern tier of counties to one quarter inch across the Dallas/Fort Worth Metroplex. Sleet and snow accumulations ranged from two inches in the Northwest to five inches in the Northeast. At least four deaths were blamed on icy driving conditions with hundreds of accidents on snow and ice covered roads. Numerous minor injuries occurred. Numerous schools and business were closed at various time periods due to the ice and snow. Over four hundred flights were cancelled at the D/FW Airport and there were power outages to over 30,000 homes. F9VE, M18VE, M22OT, F61VE

TEXAS, North Panhandle

TXZ001>002-004-006-015-019
Dallam - Sherman - Ochiltree - Hartley - Wheeler - Donley

27	0000CST 1800CST				0	0			Heavy Snow
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An upper level storm system moved across northern New Mexico and then eastward across the Texas and Oklahoma panhandles producing heavy snow during the late night and into the daytime hours. Snowfall amounts from the northwest Texas panhandle southeastward into the eastern and southeastern sections were generally in the four to six inch range.

TEXAS, Northeast

TXZ096>097-108>112-124>126-136>138
Red River - Bowie - Franklin - Titus - Camp - Morris - Cass - Wood - Upshur - Marion - Smith - Gregg - Harrison

26	1200CST				0	0			Ice Storm
28	2300CST								

A strong upper level trough moved out of the southern Great Basin and into the lower Mississippi Valley sweeping Arctic Air southward to the Gulf Coast. Moisture laden air from the Gulf overran the freezing surface temperatures producing ice across the northern half of northeast Texas. Ice accumulations of one to four inches fell across most of the area with the ice and snow accumulations near 8 inches. Thousands of homes were left without power due to ice covered tree limbs falling and snapping powerlines. Also, hundreds of chicken houses were destroyed and several 7 million chicks were killed. Barns, carports, and weak structure homes suffered collapse from the weight of the ice and snow. Traffic accidents were numerous and I-30 west of Texarkana had to be shut down when the freeway became impassable.

TEXAS, South

NONE REPORTED.

TEXAS, South Central

NONE REPORTED.

TEXAS, South Panhandle

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

January 2000

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

TEXAS, Southeast

NONE REPORTED.

TEXAS, West

TXZ057	Van Horn & Hwy 54 Corridor								
	02	1753MST 2200MST			0	0			High Wind (G56)
TXZ057-074	Van Horn & Hwy 54 Corridor - Davis / Apache Mountains Area								
	03	0040MST 1430MST			0	0			High Wind (G61)
TXZ074	Davis / Apache Mountains Area								
	03	0600CST 1600CST			0	0			High Wind (G80)
TXZ057-074	Van Horn & Hwy 54 Corridor - Davis / Apache Mountains Area								
	09	0900MST 1630MST			0	0			High Wind (G60)
TXZ057	Sustained Wind frequently at 40 mph. Van Horn & Hwy 54 Corridor								
	10	1100MST 1900MST			0	0			High Wind (G36)
Sustained wind frequently at 40+ mph.									

TEXAS, Western North

Clay County

Lake Arrowhead	03	0025CST			0	0			Hail (1.00)
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UTAH, East

UTZ028	La Sal & Abajo Mountains								
	01	0000MST			0	0			Heavy Snow
	02	1800MST							
A slow moving Pacific trough produced 10 to 20 inches of snow. The exception was 23 inches at Geyser Pass in the La Sal Mountains.									

UTAH, West and Central

UTZ001>004-006>008-010-012-014-017	Cache Valley/Utah Portion - Northern Wasatch Front/Brigham City/Ogden Bountiful - Salt Lake And Toole Valleys - Southern Wasatch Front/Lehi/Provo/Nephi - Wasatch Mountain Valleys/Huntsville/Park City/Heber - Wasatch Mountains I80 North - Wasatch Mountains South Of I80 - Wasatch Plateau/Book Cliffs - Castle Country/Price/Castle/Dale/Emery - Sanpete/Sevier Valleys - Central And Southwest Mountains								
	01	1200MST			0	2	20K		Winter Storm
	03	1800MST							

The new Millennium arrived with a snowy bang, as a series of winter storms pounded much of the state in a three day period. This was on the heels of a very dry start to winter and the ski season, so it was much appreciated. The brunt of the snow fell in the Northern mountains and along the Wasatch Front. Over 2 feet of fresh powder was common at the ski resorts, with 8-12 inches along the benches of Northern Utah and 4-8 the norm in most valleys. Some higher amounts included Alta with 33 inches, Snowbird with 30 inches, and Spruces with 22 inches. East Layton picked up 11 inches of snow, with Upper Millcreek checking in with 10 inches. The icy roads caused a few small accidents, with only minor injuries.

UTZ001>008	Cache Valley/Utah Portion - Northern Wasatch Front/Brigham City/Ogden Bountiful - Salt Lake And Toole Valleys - Southern Wasatch Front/Lehi/Provo/Nephi - Great Salt Lake Desert And Mountains/Wendover/Snowville - Wasatch Mountain Valleys/Huntsville/Park City/Heber - Wasatch Mountains I80 North - Wasatch Mountains South Of I80								
	04	0900MST			0	5	30K		Heavy Snow
	05	0900MST							

Another decent storm moved through Northern Utah, producing 10-20 inches in the mountains with 3-8 inches elsewhere. Five people were hurt in an eight-car pileup on I-15. Alta picked up 21 inches of fresh powder, with 17 inches at Snowbird.

UTZ008	Wasatch Mountains South Of I80								
	11	1000MST 1030MST			2	0	0	0	Avalanche

Two skiers were killed in a large avalanche in the backcountry near The Canyons ski resort. The slide from Square Top Peak was estimated to be near 500 feet wide and 5 feet deep, with a vertical drop of 1000 feet. The couple, a man and a woman, were discovered the next day by a search team.

Storm Data and Unusual Weather Phenomena

January 2000

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

UTAH, West and Central

UTZ001 M47OU, F41OU
Cache Valley/Utah Portion
 11 1500MST 0 0 10K 1K High Wind (G78)
 1600MST
 Strong south winds in advance of a cold front blew across much of Utah, with a gust to 90mph (78kts) recorded at Historic farm in the Cache Valley. The wind broke some tree branches, knocked over a few fences, broke several windows, and toppled a grain shed. No injuries were reported.

UTZ007>008 **Wasatch Mountains I80 North - Wasatch Mountains South Of I80**
 31 0900MST 0 0 0 0 Heavy Snow
 1800MST
 A nice little storm dumped much needed powder on the Northern Utah ski resorts, with Alta and Snowbird both receiving 14 inches.

VERMONT, North and Central

VTZ008 **Washington**
 02 1000EST 0 0 20K Light Freezing Rain
 1600EST
 A stationary front across northern portions of Vermont and New York during the morning of January 2nd resulted in areas of freezing rain which continued into the mid and late afternoon hours. Portions of I-89 were very icy especially in the western half of the county. Numerous accidents were reported.

VTZ007 **Caledonia**
 02 1000EST 0 0 20K Light Freezing Rain
 1600EST
 A stationary front across northern portions of Vermont and New York during the morning of January 2nd resulted in areas of freezing rain which continued into the mid and late afternoon hours. Some area roads were closed, as well as portions of I-91. Roads were reported as very icy with many cars off the road.

VTZ012 **Windsor**
 02 1000EST 0 0 5K Light Freezing Rain
 1500EST
 A stationary front across northern portions of Vermont and New York during the morning of January 2nd resulted in areas of freezing rain which continued into the mid afternoon hours. Icy roads were reported, especially in the north portion of the county around Bethel.

VTZ011 **Rutland**
 02 1000EST 0 0 5K Light Freezing Rain
 1500EST
 A stationary front across northern portions of Vermont and New York during the morning of January 2nd resulted in areas of freezing rain which continued into the mid afternoon hours. Some area roads were very icy especially in the Hubbardton area.

VTZ006 **Lamoille**
 02 1000EST 0 0 5K Light Freezing Rain
 1600EST
 A stationary front across northern portions of Vermont and New York during the morning of January 2nd resulted in areas of freezing rain which continued into the mid and late afternoon hours. Many area roads were icy, especially in the Stowe area.

VTZ003 **Orleans**
 02 1000EST 0 0 20K Light Freezing Rain
 1600EST
 A stationary front across northern portions of Vermont and New York during the morning of January 2nd resulted in areas of freezing rain which continued into the mid and late afternoon hours. Area roads were icy with cars off the road.

VTZ005 **Chittenden**
 02 1100EST 0 0 20K Light Freezing Rain
 1500EST
 A stationary front across northern portions of Vermont and New York during the morning of January 2nd resulted in areas of freezing rain which continued into the mid and late afternoon hours. Portions of I-89 were closed from Richmond through Bolton. Twenty cars were reported off the road.

VTZ001>009 **Grand Isle - Franklin - Orleans - Essex - Chittenden - Lamoille - Caledonia - Washington - Addison**
 03 2200EST 0 0 45K Mixed Precipitation
 04 0600EST
 A storm system moved through the eastern Great Lakes Monday night, January 3rd and then into Canada on Tuesday, January 4th. Across the area, generally between 2 and 3 inches of snow fell with up to 1/4 inch of ice in some areas from freezing rain. The precipitation changed to rain Tuesday.

Storm Data and Unusual Weather Phenomena

January 2000

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

VERMONT, North and Central

VTZ005

Chittenden

04 0330EST 0400EST 0 0 10K High Wind (G71)

A storm system moved through the eastern Great Lakes Monday night, January 3rd and then into Canada on Tuesday, January 4th. During the early morning hours strong winds blew along portions of the western slopes of the Green Mountains. In Underhill, an observer reported measured winds of 82 mph (71 Knots). The winds blew a tin roof off a house in Underhill with trees and power lines down.

VTZ006

Lamoille

04 0330EST 0400EST 0 0 10K High Wind

A storm system moved through the eastern Great Lakes Monday night, January 3rd and then into Canada on Tuesday, January 4th. During the early morning hours strong winds blew along portions of the western slopes of the Green Mountains. In the towns of Jeffersonville and Cambridge, power lines were blown down and Route 108 was closed.

VTZ012

Windsor

07 1700EST 2100EST 1 2 50K Light Snow

A cold front moved across the area ushering in colder air. Periods of wet snow accompanied the front with falling temperatures. Roads became very slick with numerous accidents reported. Accidents on I-91 resulted in closure of portions of that interstate around Ascutney. One death resulted of a young boy and serious injuries to another boy and an adult when the pickup they were riding in flipped over several times due to the icy roads. In addition, a tractor-trailer jackknifed in the Sharon area. At one point, portions of both I-91 and I-89 were closed in and around the White River Junction area after up to 50 cars had slid off the road. M8VE

VTZ004-006>007

Essex - Lamoille - Caledonia

16 0100EST 1800EST 0 0 30K Winter Storm

A storm system moved from the Great Lakes region across northern New York Saturday night, January 15th and then across northern Vermont on Sunday, January 16th. Across portions of north central and northeast Vermont, between 7 and 13 inches of snow fell. A few reports included: Sutton (Caledonia county) with 11.9 inches, Island Pond (Essex county) with 9 to 10 inches, Eden (Lamoille county) with 12.9 inches.

VTZ003

Orleans

16 0100EST 1800EST 0 0 30K Winter Storm

A storm system moved from the Great Lakes region across northern New York Saturday night, January 15th and then across northern Vermont on Sunday, January 16th. Across portions of north central and northeast Vermont, between 7 and 13 inches of snow fell. In Orleans county, Jay Peak reported 12.5 inches with Irasburg reporting around 13 inches. Numerous automobile accidents were reported.

VTZ002-008-010

Franklin - Washington - Orange

16 0100EST 1500EST 0 0 15K Light Snow

A storm system moved from the Great Lakes region across northern New York Saturday night, January 15th and then across northern Vermont on Sunday, January 16th. Across the Vermont counties of Franklin and Orange between 3 and 6 inches of snow fell, with the heaviest in Franklin county. In Washington county, generally between 2 and 4 inches fell. A few reports were: Enosburg Falls (Franklin county) with 6 inches and Brookfield (Orange county) with 4 inches.

VTZ010>012

Orange - Rutland - Windsor

25 1000EST 26 1500EST 0 0 45K Winter Storm

A storm system off the North Carolina coast Tuesday morning, January 25th, moved northeast through the state of Maine during Wednesday, January 26th. Snow spread across the area Tuesday afternoon and continued into Wednesday. While there were lull periods in the snow Tuesday afternoon, it was heavy at times Tuesday night into Wednesday. A few accidents were reported across the area. Generally, between 8 and 16 inches of snow fell. A few specific snowfall amounts included: East Wallingford (Rutland county) 10 inches, Bethel (Windsor county) 9 inches, Randolph (Orange county) 10 inches. The greatest storm total was 16 inches in Killington (Rutland county).

VTZ001>009

Grand Isle - Franklin - Orleans - Essex - Chittenden - Lamoille - Caledonia - Washington - Addison

25 1300EST 26 1900EST 0 0 135K Winter Storm

A storm system off the North Carolina coast Tuesday morning, January 25th, moved northeast through the state of Maine during Wednesday, January 26th. Snow spread across the area Tuesday afternoon and continued into Wednesday. While there were lull periods in the snow Tuesday afternoon, it was heavy at times Tuesday night and Wednesday. A few accidents were reported across the area. Generally, between 10 and 18 inches of snow fell. A few specific snowfall amounts included: Morrisville (Lamoille county) 14 inches, South Lincoln (Addison county) 13.9 inches, Burlington (Chittenden county) 13 inches, Enosburg Falls (Franklin county) 12 inches, Newport (Orleans county) 12 inches, Island Pond (Essex county) 11 inches, Sutton (Caledonia county) 11 inches and

Storm Data and Unusual Weather Phenomena

January 2000

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

Worcester (Washington county) 10 inches. The greatest storm total in this area was 23 inches in Jay Peak (Orleans county).

VTZ003>004-006>011 **Orleans - Essex - Lamoille - Caledonia - Washington - Addison - Orange - Rutland**

30	2300EST								
31	1200EST			0	0	120K			Winter Storm

A complex storm pattern with one system over the Ohio Valley and another one over the southeast US Sunday, January 30th organized into one system off the mid-atlantic coast Sunday night, January 30th. It then moved northeast across southern New England on Monday, January 31st. Snowfall in these areas was generally between 7 and 14 inches. A few specific reports included: Eden (Lamoille county) 14 inches, Sutton (Caledonia county) 12.8 inches, Greensboro (Orleans county) 11.4 inches, Cornwall (Addison county) 10.1 inches, Waitsfield (Washington county) 10 inches, Brookfield (Orange county) 8 inches, Rutland (Rutland county) 7 inches with Island Pond in Essex county reporting 6 1/2 to 7 inches.

VTZ001>002-005-012 **Grand Isle - Franklin - Chittenden - Windsor**

30	2300EST								
31	1200EST			0	0	40K			Light Snow

A complex storm pattern with one system over the Ohio Valley and another one over the southeast US Sunday, January 30th organized into one system off the mid-atlantic coast Sunday night, January 30th. It then moved northeast across southern New England on Monday, January 31st. Snowfall in these areas was generally between 3 and 6 inches. A few specific reports included: Burlington (Chittenden county) 5.6 inches, Bethel (Windsor county) 6.2 inches, South Hero (Grand Isle county) 4 1/2 to 5 inches and St Albans (Franklin county) 3 inches.

VERMONT, South

VTZ013 **Bennington**

13	1400EST								
	1500EST			0	0	7K			Winter Storm

An area of low pressure developed to the lee of the Rockies on January 12. This low moved very rapidly eastward, reaching the Ohio Valley during the evening of January 12. The low then slowed down as it worked across the Mason-Dixon line early January 13. At the same time, an arctic front stalled just south of Vermont. Moisture from the storm became better focused along this frontal boundary, and as a result, locally heavy snow fell across Bennington county. Pownal reported 6.5 inches of snow.

VTZ013>014 **Bennington - Windham**

17	0300EST								
	1300EST			0	0				Extreme Cold

A very large arctic high built southward from eastern Canada early on January 17. At the same, deep low pressure settled in over the Canadian Maritimes. A strong pressure gradient developed between these two features, resulting in a northwest wind averaging between 15 and 30 miles an hour across southern Vermont. Temperatures plummeted to between zero and 10 below, early on that Monday. The combination of the very low temperatures and the strong wind, produced dangerously low wind chill values in the 50 to 60 below zero range. The dangerous wind chills persisted well into the midday hours despite bright sunshine.

VTZ013>014 **Bennington - Windham**

25	1000EST								
26	0900EST			0	0	39K			Winter Storm

Low pressure developed across the southeastern U.S. on Monday January 24. This storm consolidated along the coast of Georgia, then began to rapidly deepen early on January 25. The storm turned north, hugging the coastline as it moved just to the east of Boston by early January 26, bringing a large swath of heavy snow, generally in the 6 to 12 inch range, across southern Vermont. Specific snowfall amounts included 9 inches at Pownal, Bennington county, and 12 inches at West Wardsboro, Windham county.

VIRGIN ISLANDS

VIZ010-020-030 **St. Croix - St. John - St. Thomas**

15	2200AST								
17	1200AST			0	0				Strong Winds

A strong cold front brought strong winds and high seas across the U.S. Virgin Islands. These winds caused several power outages across the islands due to trees blown into power lines. Maximum wind gusts reported at St. Thomas and St. Croix airports were 50 mph and 32 mph respectively during the morning hours on January 16.

VIZ010-020-030 **St. Croix - St. John - St. Thomas**

16	0600AST								
20	1800AST			0	0				Unseasonal Low Temp

A strong cold front moved across the U.S. Virgin Islands on the evening of Saturday 15 January, 2000 through early Sunday morning. A very cool and dry airmass behind the front, unusual for these latitudes, persisted for about five days. Minimum temperatures at the St. Croix ASOS was 59 degrees in the morning of January 20 and at St. Thomas ASOS 65 degrees in the morning of January 19.

Storm Data and Unusual Weather Phenomena

January 2000

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

VIRGINIA, East

VAZ070

Chesterfield

13	1300EST 2000EST				0	0	50K		High Wind
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Strong winds behind a cold front overturned a trailer carrying a section of a modular home over the I-295 Varina-Enon Bridge, blocking the two northbound lanes. A roof was damaged on a house on Jefferson Davis Highway. Trees and power lines were also reported down.

VAZ048-061-071

Fluvanna - Cumberland - Henrico

13	1300EST 2000EST				0	0	6K		High Wind
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VAZ090-094>095

James City - Newport News - Norfolk

13	1300EST 2000EST				0	0	15K		High Wind
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Strong winds behind a cold front caused power outages across area.

VAZ049

Louisa

13	1300EST 2000EST				0	0	5K		High Wind
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Strong winds behind a cold front downed numerous trees and power lines. A microwave dish was also damaged on a county communications tower.

VAZ048>049-

060>062-065-

067>070-079>080-

087>088

Fluvanna - Louisa - Prince Edward - Cumberland - Goochland - Mecklenburg - Nottoway - Amelia - Powhatan - Chesterfield - Brunswick - Dinwiddie - Greensville - Sussex

19	2300EST				0	0			Winter Storm
20	0800EST								

Three to four inches of snow fell across the region overnight. The highest amounts fell in a band from western Sussex county, to Amelia county, and then north to western Louisa county. Snow fell heavily at times, producing hazardous travel conditions.

VAZ063>064-

071>074-078-

081>086-089>100

Hanover - Caroline - Henrico - King William - King And Queen - Essex - Lancaster - Prince George - Charles City - New Kent - Gloucester - Middlesex - Mathews - Surry - James City - York - Southampton - Isle Of Wight - Newport News - Norfolk - Suffolk - Chesapeake - Virginia Beach - Accomack - Northampton

19	2300EST				0	0			Winter Storm
20	0900EST								

Two to three inches of snow fell overnight as an area of low pressure passed south of the region. The highest amounts were measured along a line from Caroline county in the north, through the city of Richmond, then along the southern shore of the James River to near the Newport News area. Snow briefly fell heavily after midnight, creating hazardous driving conditions.

VAZ075>077

Westmoreland - Richmond - Northumberland

20	0100EST 1100EST				0	0			Winter Storm
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Three to five inches of snow fell as an area of low pressure passed south of the region. Snow fell heavily soon after beginning, creating hazardous conditions on area highways.

VAZ048>049-

060>062-068

Fluvanna - Louisa - Prince Edward - Cumberland - Goochland - Amelia

26	0100EST 2000EST				0	0			Winter Storm
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A major winter storm dumped between 8 inches and one foot of snow across portions of central Virginia. Significant blowing and drifting of snow occurred with winds gusting over 30 mph. A period of far below normal temperatures occurred after the storm, preserving the snowpack for over one week. Specific county totals were: Louisa county 8 to 12 inches, Fluvanna county 8 inches, Goochland county 9.5 inches, Cumberland county 10 inches, Powhatan county, 9 inches, Amelia county 10 inches, Prince Edward county 6 to 10 inches.

Storm Data and Unusual Weather Phenomena

January 2000

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

VIRGINIA, East

**VAZ048>049-
060>061-063>066-
070>076-079>083**

Fluvanna - Louisa - Prince Edward - Cumberland - Hanover - Caroline - Mecklenburg - Lunenburg - Chesterfield - Henrico - King William - King And Queen - Essex - Westmoreland - Richmond - Brunswick - Dinwiddie - Prince George - Charles City - New Kent

30	0400EST 2200EST				0	2	465K		Ice Storm
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An ice storm affected a large portion of central and eastern Virginia with ice accumulations of up to one-half inch. Freezing rain mixed with sleet and snow spread over the area during the morning hours. Freezing rain then mixed with rain during the afternoon and evening along the eastern counties of Prince George, Charles City, New Kent, King William, King and Queen, Essex, Richmond, and Westmoreland. Farther west, freezing rain fell for most of the day with general accumulations from one-fourth to one-half inch. At one point, 300,000 people were without power in the Richmond vicinity due to the weight of ice downing trees and power lines. One Richmond TV station was knocked off the air for 45 minutes. Two people were reported injured in Richmond; one while cutting downed trees with a chainsaw, another in a sledding accident.

VAZ062-067>069

Goochland - Nottoway - Amelia - Powhatan

30	0500EST 2200EST				0	0	200K		Ice Storm
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A significant ice storm affected portions of central and eastern Virginia with ice accumulations up to three-quarters of an inch. Precipitation began as a mixture of freezing rain, sleet, and snow, but then changed to all freezing rain during the morning hours. Freezing rain fell moderate to heavily at times. Tens of thousands of power outages were reported due to the weight of the ice snapping trees and power lines. Between 0.25 and 0.75 inches of ice were reported from Nottoway, Amelia, Powhatan, and Goochland counties.

VIRGINIA, Extreme Southwest

VAZ002-005>006

Wise - Scott - Russell

17	2100EST				0	0			Winter Storm
18	0700EST								

Generally 3-5 inches fell across parts of southwest Virginia.

**VAZ001>002-
005>006-008**

Lee - Wise - Scott - Russell - Washington

22	1000EST 1800EST				0	0			Winter Storm
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Generally 2-4 inches of snow fell across southwest Virginia.

VIRGINIA, North

**VAZ021-025>031-
036>042-050>057**

Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George

02	0800EST				0	0			Unusually Warm
04	1800EST								

High pressure off the Southeast U.S. coast turned winds southerly over the Mid-Atlantic region on the 2nd, starting a conveyor belt of warm air that would remain over the region through the 4th. With ample sunshine, high temperatures reached the mid 60s to low 70s. Normal high temperatures during the 1st week of January are in the lower 40s. On the 2nd, the high temperature at Washington Reagan National Airport reached 69 degrees. Other high temperatures included Dulles International Airport at 67 degrees, Fredericksburg at 69 degrees, Winchester at 68 degrees, Charlottesville at 66 degrees, and Staunton at 63 degrees. On the 3rd, National Airport reached a high of 68 degrees. Other high temperatures included Dulles Airport at 68 degrees, Fredericksburg at 71 degrees, Winchester at 67 degrees, Charlottesville at 68 degrees, and Staunton at 66 degrees. On the 4th, a new record high temperature of 68 degrees was set at National Airport. Other reports included Dulles Airport at 69 degrees, Fredericksburg at 71 degrees, Winchester at 69 degrees, Waynesboro at 65 degrees, and Staunton at 62 degrees. During the evening of the 4th, a strong cold front moved across the region, bringing an end to the unseasonably warm weather.

VAZ025

Augusta

11	0900EST 1100EST				0	0	6K		High Wind
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Roof blown off mobile home.

Loudoun County

Ashburn

11	1015EST				0	0	2K		Thunderstorm Wind
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Trees downed.

A strong cold front moved across Virginia during the morning of the 11th. As the front moved through, winds in excess of 55 MPH were reported in a few locations. Loudoun County officials reported high winds during a shower downed trees at 10:15 AM in Ashburn. In Augusta County, a high wind gust blew a roof off of a mobile home in the community of Verona. Damage was estimated at \$6,000. Recorded wind gusts across Northern Virginia included 42 MPH in Leesburg, 38 MPH at Dulles International Airport, 44 MPH at Washington Reagan National Airport, 47 MPH in New Market, 57 MPH in Luray, and 40 MPH in Winchester.

Storm Data and Unusual Weather Phenomena

January 2000

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

VAZ030>031-039-052-056>057 **Warren - Clarke - Madison - Prince William - Spotsylvania - King George**

20	0300EST 2000EST				0	0			Winter Weather
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An area of low pressure moved from west to east across the Mid-Atlantic region on the 20th, dropping 2 to 6 inches of snow between midnight and mid-afternoon. Gusty winds of 35 to 45 MPH developed during the afternoon causing the snow to drift across roadways and reduce visibilities in open areas. The first snowstorm of the season forced Washington National and Dulles International Airports to cancel one third of their morning flights. Several minor traffic accidents were reported across the region. In addition, three tractor trailers jackknifed on Interstate 81 during separate incidents in Rockingham and Augusta Counties. Snowfall totals included 3.6 inches at Washington Reagan National Airport, 5.5 inches in Warrenton, 6.0 inches in Winchester, 3.1 inches in Fredericksburg, 4.7 inches in Charlottesville, 5 to 6 inches in Monterey, 4 to 5 inches in Staunton, 4.7 inches in Boston, 4.5 inches in Stanley, 5.0 inches in Lovingson, and 4.0 inches in Harrisonburg.

VAZ021-025>031-036>042-050>057 **Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George**

21	0000EST 1000EST				0	0			Extreme Windchill
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During the morning of the 21st, northwest winds were blowing at 15 to 30 MPH. Temperatures across the region were in the teens. This resulted in wind chill readings from 10 to 25 degrees below zero between midnight and 10 AM. The winds also caused snow that had fallen in the past 24 hours to drift back onto roads, resulting in a difficult morning commute.

VAZ021-025>031-036>042-050>057 **Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George**

22	0000EST 1000EST				0	0			Extreme Cold
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High pressure built into the Mid-Atlantic region on January 21st. A combination of clear skies, calm winds, and a fresh snowpack led to extremely cold overnight temperatures. On the morning of the 22nd, the mercury dropped into the single digits above and below zero. Low temperatures included 7 degrees at Dulles International Airport and in Fredericksburg, -4 degrees in Culpeper, 3 degrees in Winchester, -1 degrees in Luray, 4 degrees in Waynesboro, and -3 degrees in Mustoe. Washington National Airport only dropped to 14 degrees because of its metropolitan location.

VAZ025>031-036>042-050>057 **Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George**

25	0300EST 2359EST				0	0			Winter Storm
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Low pressure off Cape Hatteras rapidly intensified late on the 24th and developed into a nor'easter which tracked northward along the Eastern Seaboard on the 25th. Very heavy snow and near-blizzard conditions were seen throughout the day east of the Blue Ridge Mountains, resulting in extremely hazardous travel conditions. Wind gusts of up to 45 MPH were recorded and several roads were drifted shut by blowing snow. Numerous traffic accidents were reported and most airports and transit systems were shut down. A few people were treated for slip and fall injuries in Fairfax County. One man in Winchester was treated for heart problems after shoveling snow. Scattered power outages were reported in Loudoun County and Alexandria. The governor of Virginia declared a state of emergency as the storm battered the eastern part of the state. Snowfall totals ranged from 1 inch near the Blue Ridge Mountains to 15 inches near the Potomac River. New daily snowfall records were set at Washington Reagan National and Dulles International Airports. Snowfall totals included 9.3 inches at National Airport, 10.3 inches at Dulles Airport, 15.0 inches in Warrenton, 12.0 inches in Fredericksburg, 5 to 6 inches in Winchester, 6.0 inches in Stanley 8.5 inches in Front Royal, 6.5 inches in Charlottesville, 5.5 inches in Waynesboro, 4.6 inches in Somerset, 7.0 inches in New Market, 4.0 inches in Sperryville, and less than 1 inch in Staunton and Harrisonburg.

VAZ021-025>031-036>042-050>057 **Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George**

27	1200EST				1	0			Extreme Cold
29	1000EST								

High pressure was located directly over the Mid-Atlantic region between the 27th and 29th. The combination of clear skies, calm winds, and a snowpack led to extremely cold temperatures. On the 27th, a 59-year-old woman was found dead in the parking lot of a shopping center in Fairfax, and apparent victim of hypothermia. Temperatures were in the teens at dawn on the 27th and only reached the low 20s by early afternoon. On the morning of the 28th and 29th, the mercury dropped into the single digits above and below zero in many locations. Low temperatures from the 28th included 13 degrees at Dulles International Airport, 0 degrees in Fredericksburg and Waynesboro, 5 degrees in Culpeper, 7 degrees in Harrisonburg, 14 degrees in Winchester and Washington Reagan National Airport, 10 degrees in Staunton, -7 degrees in Elkton, and -3 degrees in Mustoe. Low temperatures from the 29th included 8 degrees at Dulles International Airport, 1 degree in Fredericksburg and Luray, 9 degrees in Front Royal, -1 degree in Waynesboro, 6 degrees in Culpeper, 11 degrees in Winchester, 12 degrees at National Airport, 8 degrees in Staunton, -4 degrees in

Storm Data and Unusual Weather Phenomena

January 2000

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

VIRGINIA, North

VAZ021-025>031-036>042-050>054 Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington

Tye River, and -2 degrees in Mustoe. F59OU

30	0300EST 2000EST				0	0			Winter Storm
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VAZ055>057 Stafford - Spotsylvania - King George

30	0600EST 2000EST				0	0			Ice Storm
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Cold air was in place east of the Blue Ridge Mountains on the 29th and 30th, keeping surface temperatures below freezing. Low pressure moved from the Lower Mississippi Valley northeastward to the Mid-Atlantic region early on the 30th, creating the perfect conditions for freezing rain around the Fredericksburg area, a mix of sleet and snow east of Skyline Drive, and moderate snowfall in the mountains. Ice accumulations between 1/4 and 3/4 of an inch coated roads, trees, and power lines in Fredericksburg and Stafford, Spotsylvania, and King George Counties. Electrical outages were reported as trees and branches weighed down by ice fell onto power lines. Disruptions affected 1000 power customers in Albemarle County, 125 customers in Orange County, and 3000 customers in Fredericksburg and Spotsylvania and King George Counties. A mix of sleet, freezing rain, and snow fell east of a line from Charlottesville to Arlington. Snow and sleet accumulations in this area ranged from 1 to 3 inches. West of this line, 3 to 7 inches of snow and sleet fell. Storm total accumulations included 1.2 inches at Washington Reagan National Airport, 6.4 inches at Dulles International Airport, 6.0 inches in Winchester, 9.0 inches in Luray, 6.5 inches in Warrenton, 2.5 inches in Manassas, 4.7 inches in Orange, 6.4 inches in Culpeper, 3.0 inches in Charlottesville, 6.5 inches in Staunton, and 7.0 inches in Monterey. Over 70 auto accidents were contributed to the storm, including two separate crashes in Loudoun County which killed a 59-year-old man and an 18-year-old woman. Significant flight delays were reported at National, Dulles, and Charlottesville-Albemarle Airports. Several train and bus routes were canceled or delayed. In Culpeper County, three horses suffering from hypothermia were rescued from a pond during the storm after falling through the ice.

VIRGINIA, Northwest

VAZ003>004 Dickenson - Buchanan

02 04	1200EST 0800EST				0	0			Record Warmth
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Afternoon temperatures rose into the upper 60s to mid 70s on both the 2nd and the 3rd. Grundy reached 75 degrees on the 3rd. The Breaks Interstate Park was 71 degrees on the 2nd.

VAZ003>004 Dickenson - Buchanan

18	0000EST 0600EST				0	0			Snow
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Accumulations of 3 to 5 inches were common. Grundy and Hurley had 3 inches, while Clintwood and the Breaks Interstate Park measured 4 inches.

VAZ003>004 Dickenson - Buchanan

20	0000EST 1600EST				0	0			Heavy Snow
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Snow accumulated 4 to 7 inches.

VAZ003>004 Dickenson - Buchanan

28	0300EST 0900EST				0	0			Extreme Cold
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Dawn temperatures were mostly zero to minus 5.

VIRGINIA, Southwest

VAZ033 Franklin

11	0900EST 1130EST				0	0	1.5K		High Wind
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High winds during the morning of the 11th downed trees and power lines. Power lines downed in Dugwell electrocuted two heifers.

VAZ015 Grayson

11	1150EST 1500EST				0	0	0		High Wind
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High winds during the midday and afternoon of the 11th downed trees across Grayson County.

Storm Data and Unusual Weather Phenomena

January 2000

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

VIRGINIA, Southwest

VAZ009>015-019>020-024-047 **Smyth - Bland - Giles - Wythe - Pulaski - Montgomery - Grayson - Alleghany - Bath - Rockbridge - Buckingham**

13	1155EST 1600EST				0	0	180K		High Wind (G68)
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High winds during the midday and afternoon of the 13th downed large trees, tree limbs, and power lines. These winds resulted in minor property damage to personal property in all counties. Downed power lines also started scattered brush fires.

Winds gusted to 54 knots in Hot Springs in Bath County, 68 knots at the WFO Blacksburg in Montgomery County, and 57 knots in Pulaski in Pulaski County.

High winds rolled over a mobile home in Mountain Lake in Giles County, destroying the mobile home. In Rockbridge County high winds tore the roof off of a house in Rockbridge Baths, downed a tree onto a truck in Lexington, downed power lines that started a fire in Lexington, destroying a garage and truck parked inside. In the town of of Buckingham in Buckingham County, high winds damaged the roof of a house.

VAZ016>018-022>023-032>035-043>046 **Carroll - Floyd - Craig - Roanoke - Botetourt - Patrick - Franklin - Bedford - Amherst - Henry - Pittsylvania - Campbell - Appomattox**

13	1300EST 1800EST				0	1	160K		High Wind
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High winds during the afternoon of the 13th downed large trees, tree limbs, and power lines. Some roads were blocked by trees and power lines. The high winds caused minor property damage in all counties and downed power lines started several brush fires.

High winds tore the roof off of a house in Cave Springs in Roanoke County, downed a tree onto a car in Lynchburg, downed trees onto two cars in the City of Roanoke, downed a tree onto mobile home in Stuart in Patrick County, destroying it. The woman occupying the mobile home was injured and required medical treatment.

In Altavista in Campbell County, high winds damaged the roof of a house and downed a power line onto a second house, starting a fire that damaged the roof.

VAZ009-015>016 **Smyth - Grayson - Carroll**

17	2130EST				0	0		Heavy Snow
18	0700EST							

Snow developed during the evening of the 17th and accumulated 6 to 10 inches before ending around daybreak on the 18th.

VAZ032 **Patrick**

18	0000EST 0900EST				0	0		Heavy Snow
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Snow developed around midnight on the 18th and accumulated around 6 inches before ending by mid morning.

VAZ032>033-044 **Patrick - Franklin - Pittsylvania**

19	2200EST				0	0		Heavy Snow
20	1000EST							

Snow developed during the evening of the 19th and accumulated up to 5 inches in Franklin and Patrick counties, and in parts of northern Pittsylvania County, before ending during the morning of the 20th.

VAZ034>035-043>045-058>059 **Bedford - Amherst - Henry - Pittsylvania - Campbell - Halifax - Charlotte**

25	0000EST 1000EST				0	0		Heavy Snow
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Snow developed around midnight on the 25th and ended around mid morning on the 25th. Snow accumulations ranged from 2 to 8 inches in Bedford and Henry counties, to 10 to 16 inches east of a line from Lynchburg to Danville.

VAZ009 **Smyth**

29	1400EST				0	0		Winter Storm
30	0800EST							

Light snow and sleet developed during the afternoon of the 29th and quickly changed to freezing rain. Glaze accumulated to 1/4 inch before the freezing rain ended early on the 30th.

VAZ007-010>020-023>024-032 **Tazewell - Bland - Giles - Wythe - Pulaski - Montgomery - Grayson - Carroll - Floyd - Craig - Alleghany - Bath - Botetourt - Rockbridge - Patrick**

29	1500EST				0	0		Winter Storm
30	1500EST							

Snow developed during the afternoon of the 29th. The snow mixed with sleet at times late at night and early on the 30th. Snow and sleet accumulations reached 4 to 8 inches, with up to 11 inches in the higher elevations, before the snow ended during the afternoon of the 30th.

Storm Data and Unusual Weather Phenomena

January 2000

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

VIRGINIA, Southwest

VAZ045-047-059	Campbell - Buckingham - Charlotte								
		29	1800EST			0	0		Winter Storm
		30	1900EST						

Very light snow and sleet developed during the evening of the 29th and continued intermittently through the early morning of the 30th. The precipitation changed to freezing rain during the morning of the 30th, with glaze accumulating up to 1/2 inch, downing tree limbs and power lines. The freezing rain ended during the evening.

VAZ033-043>044-058	Franklin - Henry - Pittsylvania - Halifax								
		29	1900EST			0	0	8K	Winter Storm
		30	1900EST						

Mixed snow and sleet developed during the evening of the 29th and accumulated 1 to 3 inches at night and during the morning of the 30th. The mixed precipitation became freezing rain during the midday and afternoon of the 30th causing an accumulation of glaze of 1/2 inch to 1 inch before ending early in the evening. Accumulated glaze downed trees and power lines, including one tree onto a car in Halifax in Halifax County.

WASHINGTON, Northeast

WAZ031-033>038-041-043	Northeast Blue Mountains - Washington Palouse - Moses Lake Area - Upper Columbia Basin - Spokane Area - Northeast Mountains - Okanogan Highlands - Wenatchee Area - Okanogan Valley								
		04	0200PST			0	0		Heavy Snow
		31	1100PST						

Heavy snow with amounts fo 4-18 inches occurred primarily everyday in the mountains and sporadically at the lower elevations. On the 4th and the 16th, heavy snow did cover the lower elevations from Wenatchee to Spokane with many vehicle accidents being reported.

WAZ032>036-041-044	Lower Garfield & Asotin - Washington Palouse - Moses Lake Area - Upper Columbia Basin - Spokane Area - Wenatchee Area - Waterville Plateau								
		09	0800PST 1800PST			0	0	50K	High Wind (G60)

With a strong jet stream overhead and a tight westerly pressure gradient near the surface, strong and damaging winds of 40 to 60 kts developed across much of eastern Washington, especially from the lee of the North Cascades east across the Basin toward the Spokane area. There were numerous reports of downed trees and power lines, leading to power outages.

Spokane County 3 S Spokane to Rockford									
		16	1025PST 1035PST			0	0	40K	Thunderstorm Wind (G50)

Downed trees into a greenhouse and church.

Spokane County Cheney									
		16	1036PST 1038PST			0	0	20K	Thunderstorm Wind

Downed tree on to car

Whitman County La Crosse to Palouse									
		16	1037PST 1040PST			0	0	60K	Thunderstorm Wind (G50)

Four downed trees, semi truck overturned and barn destroyed

Whitman County Garfield to Colfax									
		16	1042PST 1046PST			0	0	40K	Thunderstorm Wind

A school roof and apartment roof damaged, 3 storage buildings destored

Garfield County Pomeroy									
		16	1100PST 1105PST			0	0	15K	Thunderstorm Wind

Semi truck blown off the road

A vigorous cold front pushed across eastern Washington during the morning of the 16th. Thunderstorms with gusty winds developed along the front. Wind gusts of 40-50 kts were reported, but locally higher gusts were possible.

WASHINGTON, Northwest

WAZ001>005-008>009-015-017	San Juan - Western Whatcom - Northern Casade Foothills - Central Casade Foothills - Northwest Interior - Tacoma Area - Admiralty Inlet Area - North Coast - West Slopes Northern Cascades And Passes								
		10	0400PST 1600PST			1	0	12K	High Wind (G64)

High winds toppled a tree onto a pickup truck, killing the driver. The high winds also knocked out power to about 4000 homes and distrupted skiing at Crystal Mountain. 16 of 20 ferry runs between Port Townsend and Keystone were cancelled. F52VE

Storm Data and Unusual Weather Phenomena

January 2000

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

WASHINGTON, Northwest

King County

Federal Way	14	1415PST 1430PST			0	15			Heavy Rain
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More than two dozen vehicles collided on Interstate 5 during a brief, but heavy, rain shower. Traffic was backed up for about 7 miles.

WAZ001>018-020 San Juan - Western Whatcom - Northern Casade Foothills - Central Casade Foothills - Northwest Interior - Everett And Vicinity - Seattle Metropolitan Area - Tacoma Area - Admiralty Inlet Area - Hood Canal/Kitsap Peninsula - Southwest Interior - Olympics - Eastern Strait Of Juan De Fuca - Western Strait Of Juan De Fuca - North Coast - Central Coast - West Slopes Northern Cascades And Passes - West Slopes Central Cascades And Passes - Southwest Interior

16	1000PST 1700PST				1	0	2.8M		High Wind (G66)
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Sustained winds of 40 to 45 mph blew through most of western Washington knocking out power to 300,000 homes. One man was killed as a tree was blown onto his pickup truck. Ferry service was disrupted and the 520 bridge across Lake Washington was closed for nearly 12 hours. There were dozens of trees downed, some of which fell on homes. M19VE

WAZ018 West Slopes Central Cascades And Passes

16	1330PST				1	0			Avalanche
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A man died when he hiked into a closed area of a ski resort and was buried in an avalanche. M50OU

WAZ017 West Slopes Northern Cascades And Passes

19	1200PST				0	1			Avalanche
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A snowboarder who went out of the ski area boundary was caught in an avalanche and suffered a broken leg and a compression fracture of his back.

WASHINGTON, Southeast

WAZ029 Blue Mountain Foothills

09	1130PST 1300PST				0	0	5K		High Wind
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Strong winds knocked a wood frame patio cover onto a vintage car in Walla Walla at 11:30 am. These winds had gusts as high as 55 mph measured nearby in Whitman Mission. Power was also briefly knocked out in eastern Walla Walla when two power transmission lines shorted out.

WAZ025 East Slopes Southern Cascades

09	2100PST				0	0			Heavy Snow
10	1100PST								

13 inches of snow fell overnight and early today near Glenwood at an elevation of 1900 ft.

WAZ026>027 Kittitas Valley - Yakima Valley

15	2200PST				0	0			Heavy Snow
16	1000PST								

A strong winter storm brought widespread heavy snow to the Yakima and Kittitas valleys. Ellensburg, at an elevation of 1500 ft, received over 4 inches of snow. Yakima received 6 inches. Heavier amounts fell around these cities. Cowliche, 7 miles northwest of Yakima at 1600 ft, had 7 inches. Selah, just east of Yakima had 4.5 inches accumulation with considerable blowing and drifting. This storm also caused a power outage that affected around 4800 customers in the Selah and Glead subdivisions.

Columbia County

1 WSW Dayton to Dayton	16	0900PST	1	50	0	0	100K		Tornado (F1)
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On January 16th a strong occluded front crossed the Columbia Basin. This front developed from a deep low pressure system off the coast of Washington. A line of convective showers along the front brought wind gusts of 46 mph to Walla Walla, which is 25 miles southwest of Dayton. At 9 am, several witnesses reported that a tornado developed just south of US Highway 12 one mile southwest of Dayton. At this location, the second story of a barn was damaged and a mobile home was flipped over. The tornado then followed an intermittent path for around one mile through the south side of Dayton. This path followed the floodplain of the Touchet River, which is just to the north of Rock Hill. Rock Hill is a 700 ft. ridge just to the southwest of Dayton. Several large trees were felled, including a 50 yard wide section of a line of trees along the east side of the river. In the south side of Dayton, an elementary school had several shingles removed and damage to the roof's trim. Finally, considerable damage occurred to a house on Peabody Hill just southeast of Dayton. A large conifer fell and hit the side of a house. A brick chimney collapsed on this same house as well.

WASHINGTON, Southwest

WAZ023-039>040 West Columbia River Gorge - Vancouver Area - Southern Cascade Foothills

10	1200PST				0	0			Heavy Snow
13	1300PST								

The winter storm that brought heavy snow to Northwest Oregon also dumped 2 to 3 inches of snow in Vancouver, while other Southwestern Washington totals included White Salmon 3 inches, Willapa Hills 4 to 7 inches, Bear Prairie 8 inches and Camas 3

Storm Data and Unusual Weather Phenomena

January 2000

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

WASHINGTON, Southwest

inches.
WAZ021-023-039 **South Coast - West Columbia River Gorge - Vancouver Area**
 16 **0600PST** **0** **0** **High Wind (G95)**
 1900PST

An intense low pressure center moved over the area from the Pacific bringing very strong winds to the area. Cape Disappointment reported gusts to 109 mph, Ocean Park estimated gusts at 85 to 100 mph with many trees down, and Bay Center reported gusts to 65 mph. Inland, Vancouver had gusts to 67 mph, Hockinson 68 mph, Raymond gusts to 65 mph and Camas 39 mph with gusts to 54 mph. Numerous downed trees and power outages were reported.

WEST VIRGINIA, East

WVZ048>055 **Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson - Pendleton - Hardy**
 02 **0800EST** **0** **0** **Unusually Warm**
 04 **1800EST**

High pressure off the Southeast U.S. coast turned winds southerly over the Mid-Atlantic region on the 2nd, starting a conveyor belt of warm air that would remain over the region through the 4th. With ample sunshine, high temperatures reached the lower 60s to lower 70s. Normal high temperatures for the first week of January are in the lower 40s. On the 2nd, high temperatures included 69 degrees in Martinsburg, 71 degrees in Romney, 67 degrees in Keyser, 70 degrees in Petersburg, and 64 degrees at Sugar Grove. On the 3rd, high temperatures included 64 degrees in Martinsburg, 65 degrees in Romney, 63 degrees in Keyser, 68 degrees in Petersburg, and 58 degrees in Sugar Grove. On the 4th, high temperatures included 69 degrees in Martinsburg, 67 degrees in Romney, 65 degrees in Keyser, 67 degrees in Petersburg, and 62 degrees in Sugar Grove. During the evening of the 4th, a strong cold front moved across the region, bringing an end to the unseasonably warm weather.

WVZ052-052 **Berkeley**
 11 **1433EST** **0** **0** **25K** **High Wind (G50)**
 1522EST

58 MPH wind gust; Several trees downed and siding blown off home near Falling Waters
 A strong cold front moved across the Eastern Panhandle during the morning of the 11th. As the front moved through, damaging winds were reported in some locations. A large billboard with a 100 foot tall metal pole supporting two tiers of billboards was downed onto a parking lot just off Interstate 81. Debris from the billboard damaged two parked cars. Scattered power outages were also reported in Berkeley County from trees falling onto power lines. The airport in Martinsburg recorded a wind gust of 42 MPH. A wind gust of 58 MPH was reported in Falling Waters at the top of a 35 foot tower. Several trees were downed in the vicinity and one home lost 6 feet of siding.

WVZ050 **Hampshire**
 13 **1430EST** **0** **0** **High Wind (G52)**
 60 MPH gust downed trees.

A vigorous cold front moved across the Eastern Panhandle around midday on the 13th. Winds in excess of 55 MPH mixed down after the front moved through. A wind gust of 60 MPH was reported near Highview and trees were downed one mile south of town. A wind gust of 53 MPH was recorded in Martinsburg, and a 45 MPH gust was reported in Petersburg.

WVZ049-051 **Mineral - Morgan**
 16 **1145EST** **0** **0** **30K** **High Wind**
 1215EST

Trees and power lines downed.
 A strong cold front moved across the Eastern Panhandle during the early afternoon of the 16th, producing wind gusts in excess of 55 MPH. Several trees were downed in Morgan County, and one home reported significant roof and shingle damage. Officials in Mineral County reported downed trees in Fort Ashby, Wiley Ford, and the Cross area near Elk Garden. Fire officials had to respond to several brush fires sparked by downed power lines throughout the afternoon.

WVZ048>049-052-054 **Grant - Mineral - Berkeley - Pendleton**
 20 **0000EST** **0** **0** **Winter Storm**
 1800EST

WVZ050>051-053-055 **Hampshire - Morgan - Jefferson - Hardy**
 20 **0000EST** **0** **0** **Winter Weather**
 1800EST

Low pressure moved from west to east across the Mid-Atlantic region on the 20th, dropping 3 to 7 inches of snow between midnight and mid-afternoon. Gusty winds of 35 to 45 MPH developed during the afternoon causing the snow to drift across roadways and reduce visibilities in open areas. The first snowstorm of the season resulted in a few minor traffic accidents. Snowfall totals included 3.5 inches in Berkeley Springs, 4.0 inches in Cacapon Bridge, 5.0 inches in Martinsburg, 4.5 inches in Franklin, 6.0 inches in Keyser, 4.0 inches in Moorefield, and 6.0 inches in Petersburg.

WVZ048>055 **Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson - Pendleton - Hardy**
 21 **0000EST** **0** **0** **Extreme Windchill**
 1000EST

Storm Data and Unusual Weather Phenomena

January 2000

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

WEST VIRGINIA, North

Snowfall totals of between 1 and 3 inches were common across the majority of Preston and Tucker Counties, with the highest elevations receiving between 4 and 7 inches of total snowfall.

WVZ023-041

Preston - Tucker

30	0400EST 1900EST				0	0			Winter Storm
----	--------------------	--	--	--	---	---	--	--	---------------------

A winter storm passing across central West Virginia brought another significant snowfall to Preston and Tucker Counties. This was the third significant winter storm to affect this portion of northern West Virginia in less than two weeks. A mix of snow and freezing rain started across the counties around midnight on the 30th, and by the early morning hours between 1 and 2 inches of snow accumulation, along with a coating or freezing rain, were reported by law enforcement officials. As the storm moved to the east and strong northwest winds brought colder air into the system, the precipitation turned to all snow by late morning. By the evening hours of the 30th, the snow tapered to flurries with total accumulations of between 4 and 8 inches reported across the counties.

WEST VIRGINIA, Southeast

WVZ045

Greenbrier

13	1145EST 1500EST				0	0	3K		High Wind
----	--------------------	--	--	--	---	---	----	--	------------------

High winds during the midday and afternoon of the 13th downed large trees, tree limbs, power lines, and caused minor property damage.

WVZ045

Greenbrier

19	2000EST				0	0			Heavy Snow
----	---------	--	--	--	---	---	--	--	-------------------

Snow developed during the evening of the 29th and accumulated 6 inches before tapering to snow showers during the morning of the 20th.

WVZ043>045

Summers - Monroe - Greenbrier

29	1400EST				0	0			Winter Storm
----	---------	--	--	--	---	---	--	--	---------------------

Snow developed during the afternoon of the 29th and accumulated 6 to 14 inches before ending during the morning of the 30th.

WEST VIRGINIA, West

WVZ005>011-

013>020-024>040-

046>047

Wayne - Cabell - Mason - Jackson - Wood - Pleasants - Tyler - Lincoln - Putnam - Kanawha - Roane - Wirt - Calhoun - Ritchie - Doddridge - Mingo - Logan - Boone - Clay - Braxton - Gilmer - Lewis - Harrison - Taylor - Mcdowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph

02	1200EST				0	0			Record Warmth
----	---------	--	--	--	---	---	--	--	----------------------

Afternoon temperatures on the 2nd and the 3rd rose into the upper 60s to mid 70s for the lowlands, with 60s in the mountains. The warmest from preliminary data was 76 degrees from Hamlin on the 2nd. Madison had 75 degrees, while Clendenin and Spencer both recorded 74 degrees. Overnight low readings from the 3rd into the 4th remained mostly in the low and mid 50s.

WVZ005>011-

013>020-024>040-

046>047

Wayne - Cabell - Mason - Jackson - Wood - Pleasants - Tyler - Lincoln - Putnam - Kanawha - Roane - Wirt - Calhoun - Ritchie - Doddridge - Mingo - Logan - Boone - Clay - Braxton - Gilmer - Lewis - Harrison - Taylor - Mcdowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph

10	1200EST 1800EST				0	0			Wind
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A strong storm over southern Ontario and its associated cold front caused afternoon wind gusts of 30 to 45 mph. Clarksburg measured a 45 mph gust at 1418E.

WVZ005>011-

013>020-024>040-

046>047

Wayne - Cabell - Mason - Jackson - Wood - Pleasants - Tyler - Lincoln - Putnam - Kanawha - Roane - Wirt - Calhoun - Ritchie - Doddridge - Mingo - Logan - Boone - Clay - Braxton - Gilmer - Lewis - Harrison - Taylor - Mcdowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph

11	0500EST 0900EST				0	0			Wind
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A secondary cold front caused early morning wind gusts of 40 to 55 mph. Parkersburg had a gust of 52 mph at 0550E. Huntington also recorded a 52 mph gust at 0740E. Clarksburg measured a gust to 46 mph at 0805E.

WVZ033>036

Mcdowell - Wyoming - Raleigh - Fayette

13	1200EST 1500EST				0	0			Wind
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Storm Data and Unusual Weather Phenomena

January 2000

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

Wind gusts, in the 30 to 50 mph range, were associated with a cold front. Small branches were blown down, with a few shingles ripped off homes.

WVZ028-037>040-046>047 **Braxton - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph**

	13	1400EST			0	0			Snow
	14	0400EST							

After a mild start to the winter, colder air finally arrived. In the wake of a low pressure system, 1 to 3 inches of snow fell, except 3 to 5 inches over the mountain ridges.

WVZ024>025-033>035 **Mingo - Logan - Mcdowell - Wyoming - Raleigh**

	18	0000EST			0	0			Snow
		0600EST							

Snow accumulations of 2 to 4 inches were common. For example, Williamson had 3 inches of snow..

WVZ008-011-016>020-027>040-046>047 **Jackson - Tyler - Roane - Wirt - Calhoun - Ritchie - Doddridge - Clay - Braxton - Gilmer - Lewis - Harrison - Taylor - Mcdowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph**

	19	2300EST			0	0			Heavy Snow
	20	1600EST							

The initial synoptic snow fell during the late night and predawn hours. The colder northwest wind caused moderate to heavy snow showers from dawn through midday. The snow showers lingered until late afternoon over the mountainous counties. Snow accumulations of 4 to 8 inches were common. Some remote mountain locations had over a foot. The snow depth at Kumbrabow State Forest went from 4 inches prior to the storm, to 18 inches.

WVZ009>011-017-019>020-028>032-038>040-046>047 **Wood - Pleasants - Tyler - Wirt - Ritchie - Doddridge - Braxton - Gilmer - Lewis - Harrison - Taylor - Webster - Upshur - Barbour - Pocahontas - Randolph**

	22	0300EST			0	0			Extreme Cold
		0900EST							

A clear and calm night, combined with a fresh snow cover, to produce dawn temperatures mostly in the minus 5 to minus 15 degree range. Belington and Elkins had the coldest with 17 below zero. Buckhannon and West Union were minus 12. Middlebourne and Hacker Valley had minus 11, with minus 8 in downtown Clarksburg. Frozen pipes were common around the Clarksburg and Weston vicinity.

WVZ033 **Mcdowell**

	26	0000EST			0	0			Snow
		0900EST							

In the wake of an east coast storm, a 1 to 3 inch snow had fallen overnight, cancelling schools on the morning of the 26th. A 8 year old boy went sledding shortly after 8 o'clock in the morning. The sled crashed into a pane of glass that was lying in a back yard of a nearby resident. An artery in the boy's leg was severed. The boy died from loss of blood. This incident was considered an indirect death due to the snow.

WVZ005>011-013>020-024>040-046>047 **Wayne - Cabell - Mason - Jackson - Wood - Pleasants - Tyler - Lincoln - Putnam - Kanawha - Roane - Wirt - Calhoun - Ritchie - Doddridge - Mingo - Logan - Boone - Clay - Braxton - Gilmer - Lewis - Harrison - Taylor - Mcdowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph**

	28	0300EST			0	0			Extreme Cold
		0900EST							

After a clear and calm night, dawn temperatures were mostly zero to 10 below zero. The coldest readings were minus 17 from Mount Nebo, minus 16 at Kumbrabow State Forest, and minus 15 from both Glady and Hacker Valley. Charleston's minus 2 was the first time the city went below zero in almost 4 years.

WVZ046>047 **Pocahontas - Randolph**

	29	0300EST			0	0			Extreme Cold
		0900EST							

As milder air came in aloft, the deep valleys still went well below zero. Glady was minus 21 for the coldest to date for the winter. The airport at Elkins fell to minus 13. Meanwhile, at the same time, the ridgetop at Snowshoe was 21 degrees above zero.

Storm Data and Unusual Weather Phenomena

January 2000

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

WEST VIRGINIA, West

WVZ005>006	Wayne - Cabell								
	29	1700EST 2300EST			0	0			Winter Storm

Ice accumulated a quarter to a half inch from freezing rain. The ice was deposited mostly on the cold ground, rather than on trees and power lines. The air temperature was around 30 degrees.

WVZ034>036	Wyoming - Raleigh - Fayette								
	29	1800EST 30 1200EST			0	0			Winter Storm

Freezing rain accumulated from a quarter to a half inch during the evening of the 29th. Liquid amounts were .2 to .4 of an inch. Afterwards, 2 to 4 inches of snow fell during Sunday morning the 30th.

WVZ046	Pocahontas								
	29	2100EST 30 1900EST			0	0			Heavy Snow

A southeast upslope wind aided in a 6 to 10 inch snow accumulation.

WVZ037>038-047	Nicholas - Webster - Randolph								
	30	0800EST 1400EST			0	0			Heavy Snow

A developing storm dropped 4 to 8 inches of snow before moving northeast.

WISCONSIN, Extreme Southwest

NONE REPORTED.

WISCONSIN, Northeast

WIZ010>013-018>019-021-030	Oneida - Forest - Florence - Marinette - Lincoln - Langlade - Oconto - Marathon								
	02	0600CST 1600CST			0	0			Heavy Snow

A low pressure system that moved across southern Wisconsin on the 2nd produced heavy snow over the northern part of the state. The low left a band of 6 to 11 inches of snow across north-central and far northeast Wisconsin that fell during the morning and early afternoon hours. The heaviest snowfall totals were 10.0 inches 10 miles northwest of Crivitz (Marinette co.) and 11.2 inches 6 miles southwest of Laona (Forest co.).

WIZ022-038>040-048>050	Door - Outagamie - Brown - Kewaunee - Winnebago - Calumet - Manitowoc								
	03 04	1700CST 0200CST			0	0			Winter Storm

Low pressure that moved across Illinois on the 3rd dropped 4 inches to more than 6 inches of snow across east-central Wisconsin. Most of the snow fell from late afternoon through the evening. The highest snow totals were 6.7 inches at the National Weather Service office in Green Bay (Brown co.), 6.5 inches 3 miles northeast of Sturgeon Bay (Door co.) and 6.0 inches at Chilton (Calumet co.) and Oshkosh (Winnebago co.). Brisk winds caused blowing and drifting snow. In Green Bay, north to northeast winds averaged around 16 mph with numerous gusts over 20 mph.

WIZ030>031-035>040-045-048>050	Marathon - Shawano - Wood - Portage - Waupaca - Outagamie - Brown - Kewaunee - Waushara - Winnebago - Calumet - Manitowoc								
	09 10	0300CST 0200CST			0	0			Fog

A warm front moving north through Wisconsin brought warm and moist air to central and east-central Wisconsin. The snow-covered ground cooled the moist air, resulting in widespread dense fog that first developed in the fox valley early in the morning of the 9th and then overspread most of central and east-central Wisconsin by evening. The fog began to dissipate a bit shortly after midnight on the 10th.

WIZ013-020>021-031-036>038-045	Marinette - Menominee - Oconto - Shawano - Portage - Waupaca - Outagamie - Waushara								
	09 10	2100CST 0400CST			0	0			Glaze

Many roads across central and northeast Wisconsin became ice-covered and hazardous from freezing rain and freezing drizzle that fell late on the 9th into the early morning hours of the 10th. Widespread dense fog also developed across northeast and east-central Wisconsin.

Storm Data and Unusual Weather Phenomena

January 2000

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

WISCONSIN, Northeast

WIZ035>039-045-048>050 **Wood - Portage - Waupaca - Outagamie - Brown - Waushara - Winnebago - Calumet - Manitowoc**

12	1000CST		0	0	Heavy Snow
13	0300CST				

A persistent narrow band of heavy snow developed across central and east-central Wisconsin during the morning of the 12th and remained nearly stationary for more than 12 hours. Snowfall totals of 8 to 12 inches were common from Wood county east into Manitowoc county. Some of the highest snowfall totals included 14 inches at Appleton (Outagamie co.), 12.5 inches at Fremont (Waupaca co.) and 12 inches at Plover (Portage co.) and Hancock (Waushara co.).

WIZ022

Door

22	1000CST 2015CST		0	0	Heavy Snow
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A low pressure system that moved from Minnesota to Lake Superior on the 22nd brought snow to northeast Wisconsin. Snow began late in the morning and continued into the early evening hours in Door county. Washington Island, at the tip of Door county, received the most snow from this system, 6 inches.

WISCONSIN, Northwest

WIZ004

Iron

19	1500CST		0	0	Heavy Snow
20	0400CST				

Heavy lake effect snow fell in northern Iron county, with 9 inches reported at Upton and 8 inches at Gurney.

WIZ004

Iron

25	0400CST		0	0	Heavy Snow
26	0400CST				

Heavy lake effect snowfall resulted in eight to ten inches of new snow in the Hurley area.

WISCONSIN, Southeast

WIZ063-066

Dane - Milwaukee

02	1300CST 1500CST		0	0	Record Warmth
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South winds ahead of a low pressure moving through the Madison (Dane Co.) area pulled mild air into southern Wisconsin allowing Milwaukee to establish a new daily record maximum temperature of 56 at 1316CST. The old record was 54 set back in 1897. Above normal temperatures from the beginning of winter had an effect on the ice-over of Lake Mendota and Lake Monona in Madison. On January 14th both lakes finally froze over, making it the second latest ice-over (Jan 30, 1932 is the latest). Average ice-over dates are December 20th for Lake Mendota and Dec 15th for Lake Monona). Both lakes have tended toward earlier openings over recent years, such as in 1998 when Mendota lost its ice cover on February 27th after freezing over on Jan 11th. That was the shortest ice-cover period on record.

WIZ047-051>052-057>058-068

Green Lake - Fond Du Lac - Sheboygan - Columbia - Dodge - Green

03	1800CST		0	0	Winter Storm
04	0600CST				

The first major winter storm of the 1999-2000 winter season struck parts of southcentral and southeast Wisconsin (almost a year to the date after a major January 1999 winter storm/blizzard). The combination of northwest to north winds frequently gusting to 25 mph and snowfalls accumulations of 4 to 6.5 inches created winter storm conditions as locally defined. Beaver Dam (Dodge Co.) recorded the largest total of 6.5 inches. The remainder of southern Wisconsin experienced snowfall totals of 3 to 5 inches but had weaker winds below warning criteria. Numerous vehicle accidents (estimated at 300 for southcentral and southeastern counties) were noted by area newspapers due to the combination of ice roads and visibilities of 1/2 to 1 mile. Several schools delayed their opening by 2 hours. Synoptically, low pressure tracked from southern Missouri to northern Indiana to Lake Huron.

WIZ046>047-051>052-056>060-062>072

Marquette - Green Lake - Fond Du Lac - Sheboygan - Sauk - Columbia - Dodge - Washington - Ozaukee - Iowa - Dane - Jefferson - Waukesha - Milwaukee - Lafayette - Green - Rock - Walworth - Racine - Kenosha

09	0000CST		0	0	Fog
10	0500CST				

Dense fog with visibilities frequently near or below 1/4 mile blanketed southcentral and southeast Wisconsin for about 29 hours, leading to many airline delays or cancellations at area airports. Dozens of vehicle accidents were noted by area newspapers. South to southeast winds pulled mild air (maximum temperatures in the upper 30s to lower 40s) into southern Wisconsin resulting in considerable snowmelt, while scattered light rain passed overhead. Consequently, there were ample amounts of low level moisture to initiate the widespread dense fog.

WIZ072

Kenosha

22	0000CST 0800CST		0	0	10K Extreme Cold
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A frozen water pipe burst around 0430CST in a city of Kenosha restaurant, resulting in water damage to interior contents. Minimum

Storm Data and Unusual Weather Phenomena

January 2000

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

WISCONSIN, Southeast

temperatures the day before ranged from 3 below to 8 below across Kenosha County with daytime maximum readings only 5 to 10 above zero. Morning lows on the 22nd were 5 to 10 above. While none of these readings were new records, they were considerably below normal for the time of the year.

WISCONSIN, Southwest

WIZ017-029-032>033 Taylor - Clark - Buffalo - Trempealeau

02	0900CST 1300CST			0	0		Heavy Snow
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Heavy snowfall occurred in a narrow band and was accompanied by thunder and lightning, which produced snowfall rates as much as 2 to 3 inches per hour. Volunteer weather observers reported accumulations of 6 inches at Arcadia and Blair (Trempealeau County), 7.8 inches at Mondovi (Buffalo County) and 6 inches at Gad (Taylor County).

WIZ029-032>034-043>044 Clark - Buffalo - Trempealeau - Jackson - Juneau - Adams

12	0800CST 2330CST			0	0		Heavy Snow
----	--------------------	--	--	---	---	--	-------------------

A narrow band of snow remained nearly stationary over the same area for several hours with snowfall rates as much as 1/2 to 1 inch per hour. Volunteer observers reported total accumulations of 8 inches in Mondovi (Buffalo County), 11 inches in Osseo (Trempealeau County), 10.5 inches in Merrillan (Jackson County) and 12 inches in Rome (Adams County).

WISCONSIN, West

WIZ023>028 St. Croix - Pierce - Dunn - Pepin - Chippewa - Eau Claire

12	1000CST			0	0		Heavy Snow
13	0500CST						

A band of heavy snow fell across much of West Central Wisconsin, and generally ranged between 6 and 10 inches. Some snow totals of note include: Six inches at Stanley and Bloomer. Seven inches at Chippewa Falls, Spring Valley and Eau Claire. Far and away the largest reported accumulation of snow (10 inches) occurred at both Fairchild and Durand, in the counties of Eau Claire and Pepin respectively.

WYOMING, Central and West

WYZ001-006>007-016 Yellowstone National Park Mt Id - Teton/Moutains - Jackson Valley - Star Valley

04	0000MST 2100MST			0	0		Winter Storm
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Up to a foot of snow and locally strong winds in southern and eastern parts of Yellowstone National Park. Local snowfall up to 16 inches and strong winds in some valleys of far western Wyoming.

WYZ002-004>007-016-018>019-027 North Absarokas - Cody Foothills - North Big Horn Basin - Teton/Moutains - Jackson Valley - Star Valley - Kemmerer - Wind River Mountains West - Southeast Big Horn Mountains

10	0000MST			0	0		Winter Storm
11	2300MST						

Two-day storm dropped heavy snow across parts of western and northern Wyoming. Amounts in lower elevations ranged up to 18 inches in Cody, and there were unofficial reports of 2 feet of snow in the northwest mountains.

WYZ008>009-015-026>028 Owl Creek Mountains - South Big Horn Basin - Natrona - Western Big Horn Mountains - Southeast Big Horn Mountains - East Johnson

27	0000MST 2200MST			0	0		Heavy Snow
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Up to a foot of snow in the Casper area...local amounts of 1 to 11/2 feet in the foothills of the Owl Creek and Big Horn Mountains and on Casper Mountain.

WYOMING, Extreme Southwest

NONE REPORTED.

WYOMING, North Central

WYZ099 Sheridan Foothills

09	1900MST 2300MST			0	0		High Wind (G65)
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A fast moving cold front crossed Northern Wyoming from the afternoon of the 9th to the early morning of the 10th. Ahead of the front, southwest winds affected the foothills west of Sheridan. A spotter measured a 74 mph wind gust.

WYZ098>099 Northeast Bighorn Mountains - Sheridan Foothills

11	0200MST			0	0		Heavy Snow
12	0200MST						

Storm Data and Unusual Weather Phenomena

January 2000

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

Moisture rotating around a Pacific low pressure system produced heavy snow across Sheridan County Wyoming as the low moved east across Central Wyoming. This system produced 22 inches of new snow at Burgess Junction. Other snowfall totals included, 17 inches in Dayton, 16 inches in Big Horn, 13 inches in Sherdigan and 11 inches in Story.

WYZ098>099

Northeast Bighorn Mountains - Sheridan Foothills

27	0100MST 1300MST				0	0			Heavy Snow
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A slow moving low pressure trough crossed Northern Wyoming during the morning of the 27th. Moisture associated with this system produced heavy snowfall across Sheridan County. Story received 14 inches of new snowfall. Big Horn received 7 inches and Sheridan picked up 6 inches.

WYOMING, Northeast

WYZ054>055

Gillette - South Campbell

27	0600MST				0	0			Heavy Snow
28	0800MST								

A band of heavy snow fell across the region with 6 to 10 inches of snow reported.

WYOMING, Southeast

WYZ063-067-069

Snowy Range - Platte - Cheyenne Foothills

04	1235MST 2300MST				0	0			High Wind (G68)
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High winds blew across parts of southeast Wyoming, with gusts to 78 mph reported at Arlington. A gust of 63 mph was recorded near Chugwater, with a gust to 58 mph recorded in Cheyenne, WY.

WYZ063-067-069

Snowy Range - Platte - Cheyenne Foothills

09	1000MST				0	0			High Wind (G74)
10	1545MST								

High winds blew across southeastern Wyoming, with gusts as high as 85 mph recorded near Arlington, WY. Gusts of 66 mph were reported near Chugwater, with gusts of 58 mph recorded at Cheyenne, WY.

WYZ063-067-069

Snowy Range - Platte - Cheyenne Foothills

11	0430MST 2110MST				0	0			High Wind (G60)
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High winds blew across parts of southeastern Wyoming, gusting as high as 69 mph near Arlington. Gusts to 63 mph were recorded at Cheyenne, with gusts to 60 mph recorded near Chugwater, WY.

Storm Data and Unusual Weather Phenomena

April 1999

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

MISSOURI, Southwest

Oregon County
2 SE Thayer to
3 S Couch

03	1656CST	6	50	0	0	50K	Tornado (F0)
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An F0 tornado crossed the Missouri-Arkansas state line southeast of Thayer and left a broken 50 yard wide damage path to an area south of Couch. A barn southeast of Thayer was destroyed and trees were uprooted along the tornado's path.

Storm Data and Unusual Weather Phenomena

May 1999

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

NEBRASKA, South Central

Furnas County										
1.5 NW Arapahoe to 2 NW Arapahoe	02	1430CST 1431CST	0.5	15	0	0	15K	0		Tornado (F0)
Gosper County										
16 S Elwood to 12 S Elwood	02	1437CST 1447CST	4.5	60	0	0	75K	0		Tornado (F1)
Harlan County										
1 W Ragan to 1 NW Ragan	02	1536CST 1537CST	1	15	0	0	0	0		Tornado (F0)
Phelps County										
8 SE Holdrege to 8 E Holdrege	02	1542CST 1548CST	4	50	0	0	100K	0		Tornado (F1)
Phelps County										
Funk	02	1550CST			0	0	0	0		Hail (0.75)
Franklin County										
1.5 NW Macon to 3.5 N Macon	02	1600CST 1605CST	3	35	0	0	200K	0		Tornado (F1)
Kearney County										
Heartwell	02	1625CST			0	0	0	0		Hail (0.75)
Kearney County										
2 E Heartwell to 4 NE Heartwell	02	1703CST 1708CST	2	20	0	0	50K	0		Tornado (F0)
Adams County										
4 SW Kenesaw to 5 N Kenesaw	02	1708CST 1726CST	8	100	0	0	150K	0		Tornado (F1)
Adams County										
5 SE Kenesaw to 1 S Prosser	02	1711CST 1741CST	10	250	0	0	300K	0		Tornado (F2)
Hall County										
8.5 SW Wood River to 6.5 SW Wood River	02	1726CST 1730CST	2	20	0	0	0	0		Tornado (F0)
Adams County										
2 W Juniata to 2 NW Juniata	02	1748CST 1751CST	1.5	15	0	0	0	0		Tornado (F0)
Hall County										
1 NW Wood River to 2 N Wood River	02	1817CST 1820CST	1.5	35	0	0	100K	0		Tornado (F1)
Sherman County										
Loup City	02	1850CST			0	0	5K	0		Hail (1.00)
Merrick County										
1.5 SW Worms to 1 W Worms	02	1906CST 1908CST	0.5	10	0	0	0	0		Tornado (F0)
Howard County										
3 E St Libory to 8 NE St Libory	02	1908CST 1918CST	5	100	0	0	250K	0		Tornado (F2)
Greeley County										
Spalding	02	1917CST			0	0	10K	0		Hail (1.75)

As strong low pressure lifted across Nebraska and Kansas, a series of damaging tornadoes ripped across south-central Nebraska during the late afternoon and evening hours. No less than 10 tornadoes were confirmed across an area from west of Arapahoe to north of Grand Island near St. Libory. Tornado damage began around mid-afternoon near Holbrook. A brief tornado did some damage to a farmstead northwest of town. Another tornado set down in southern Gosper county and damaged or destroyed at least 3 irrigation center pivots. Tornadoes touched down near Ragan and west of Wilcox. Eventually, another twister near Macon hit two farms. With debris flying through the air, one man stood on his front porch as the tornado passed. Outbuildings, center pivots, and grain bins were heavily damaged by this tornado.

Just after 6 pm, the first of three tornadoes in Adams county took aim on the region west of Kenesaw. Shortly thereafter, another tornado set down southeast of Kenesaw and moved northeast. One farm sustained damage southeast of Kenesaw as irrigation pipe littered the fields along the twister's path. Both tornadoes were on the ground at the same time. A third tornado set down west of Juniata but did no damage before lifting.

Storm Data and Unusual Weather Phenomena

May 1999

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

NEBRASKA, South Central

Around 7 pm, a short lived tornado was observed just northwest of Wood River. This tornado destroyed grain bins, damaged a grain dryer and pulled shingles from a house nearby. Strong winds in the region also downed power lines and poles south of town. Finally, just after 8 pm, the final tornado of the evening set down in extreme western Merrick county and moved north just inside the Howard county line. This F2, multiple vortex tornado was on the ground for about 5 miles and damaged or destroyed numerous outbuildings and trees along its path.

SOUTH DAKOTA, West

Shannon County

Slim Butte

04	1730MST	1	100	0	0	Tornado (F0)
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Tornado reported by State Trooper.

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.

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 re-inforced 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.

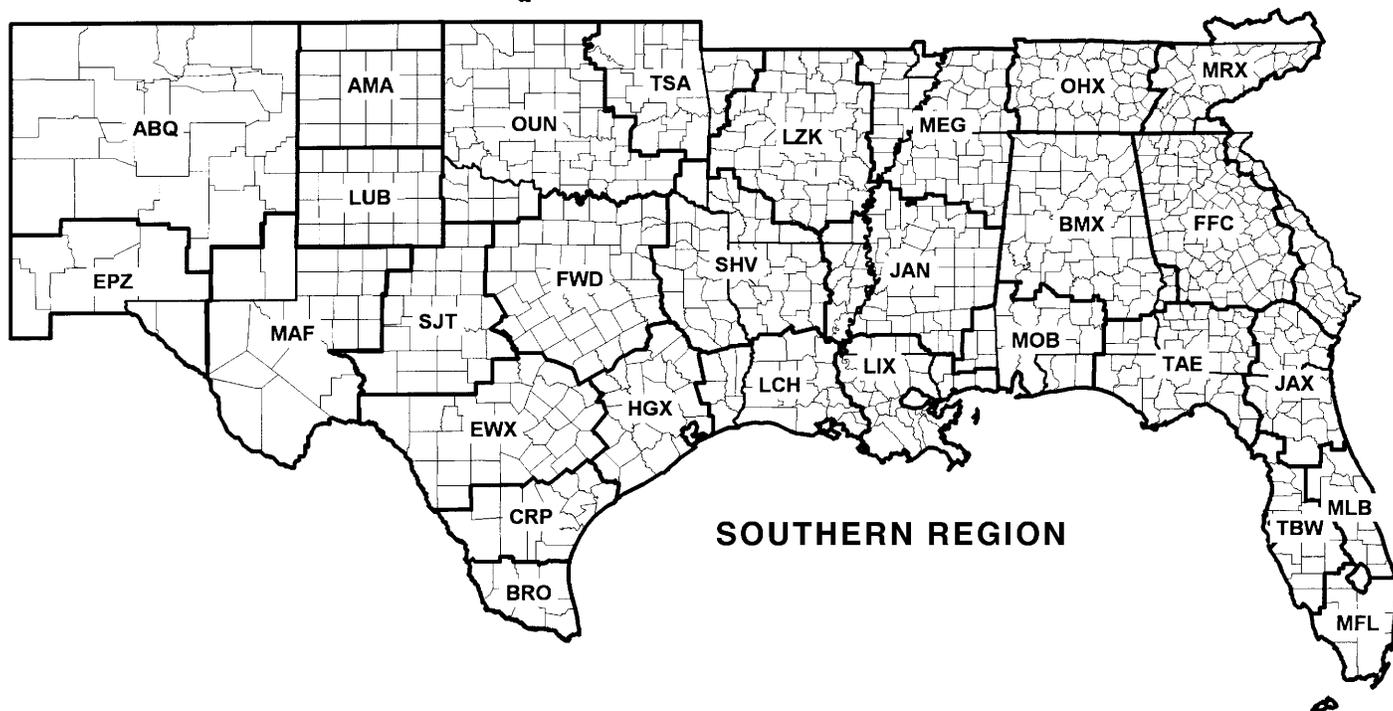


* From the Journal of Atmospheric Science, August 1981, p. 1517-1519

COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS

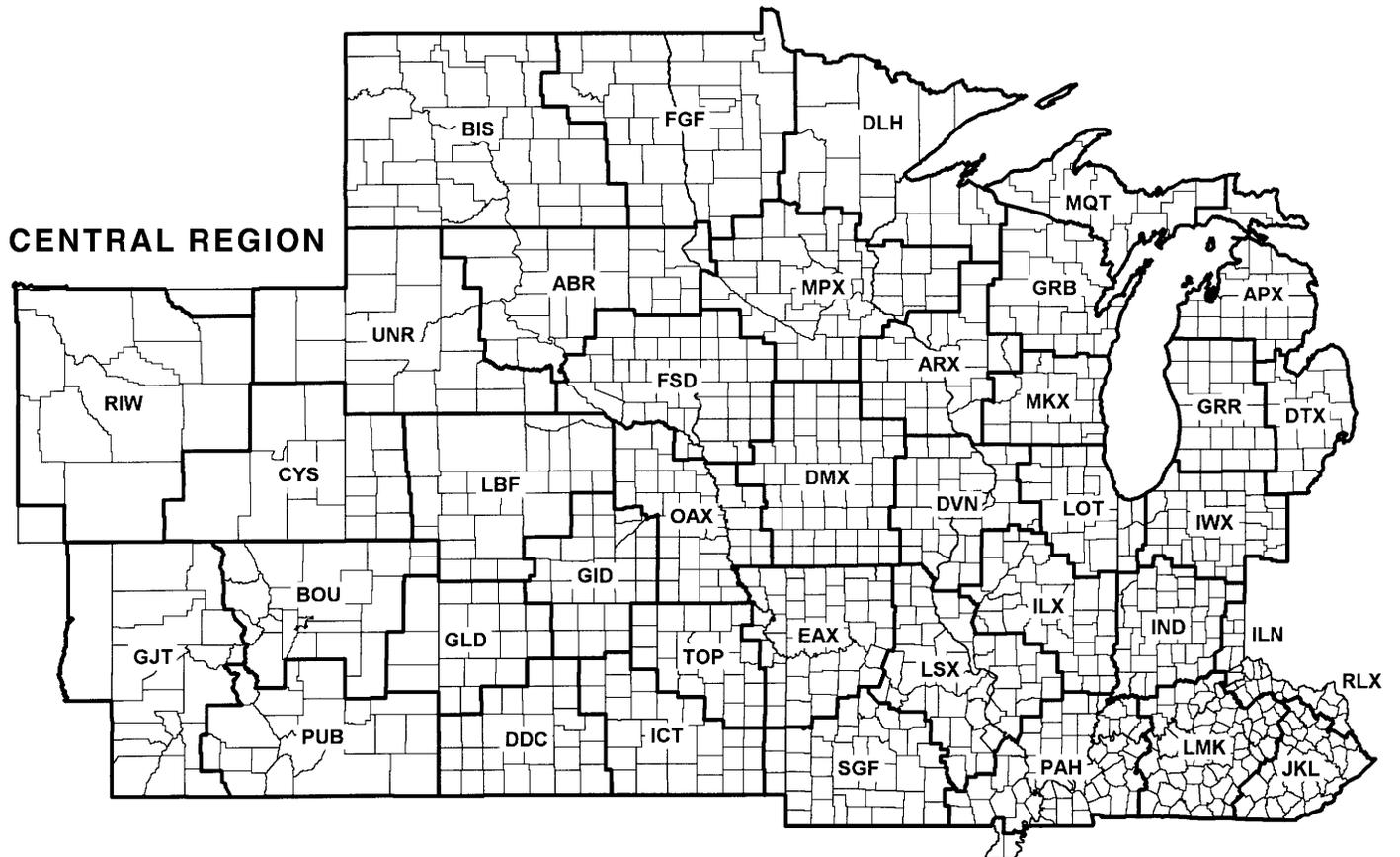
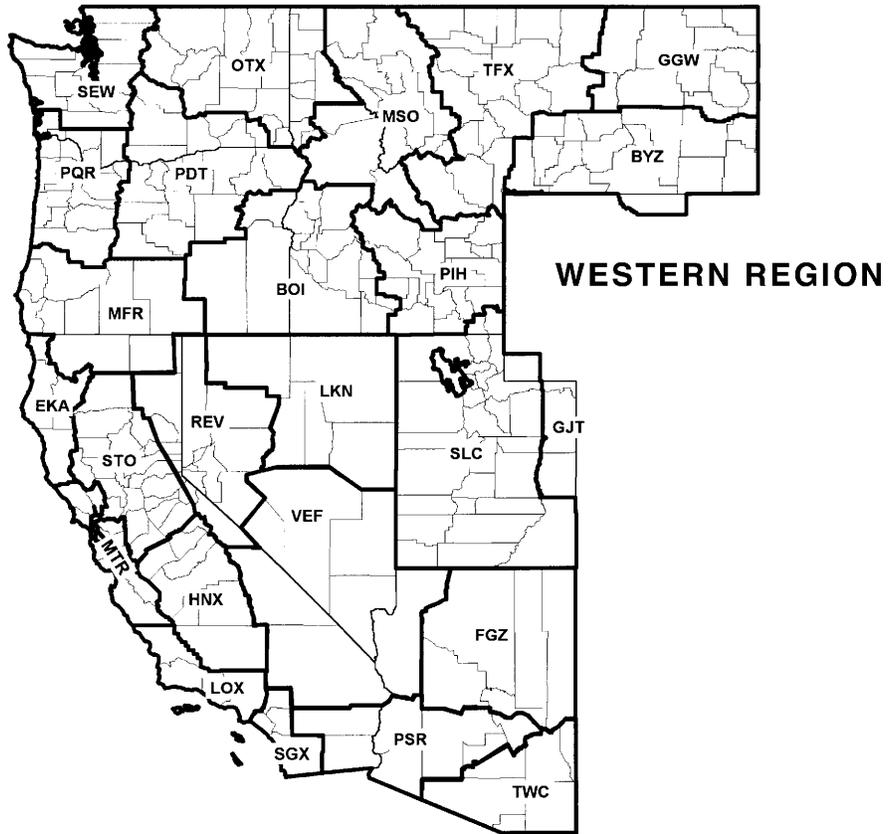


EASTERN REGION

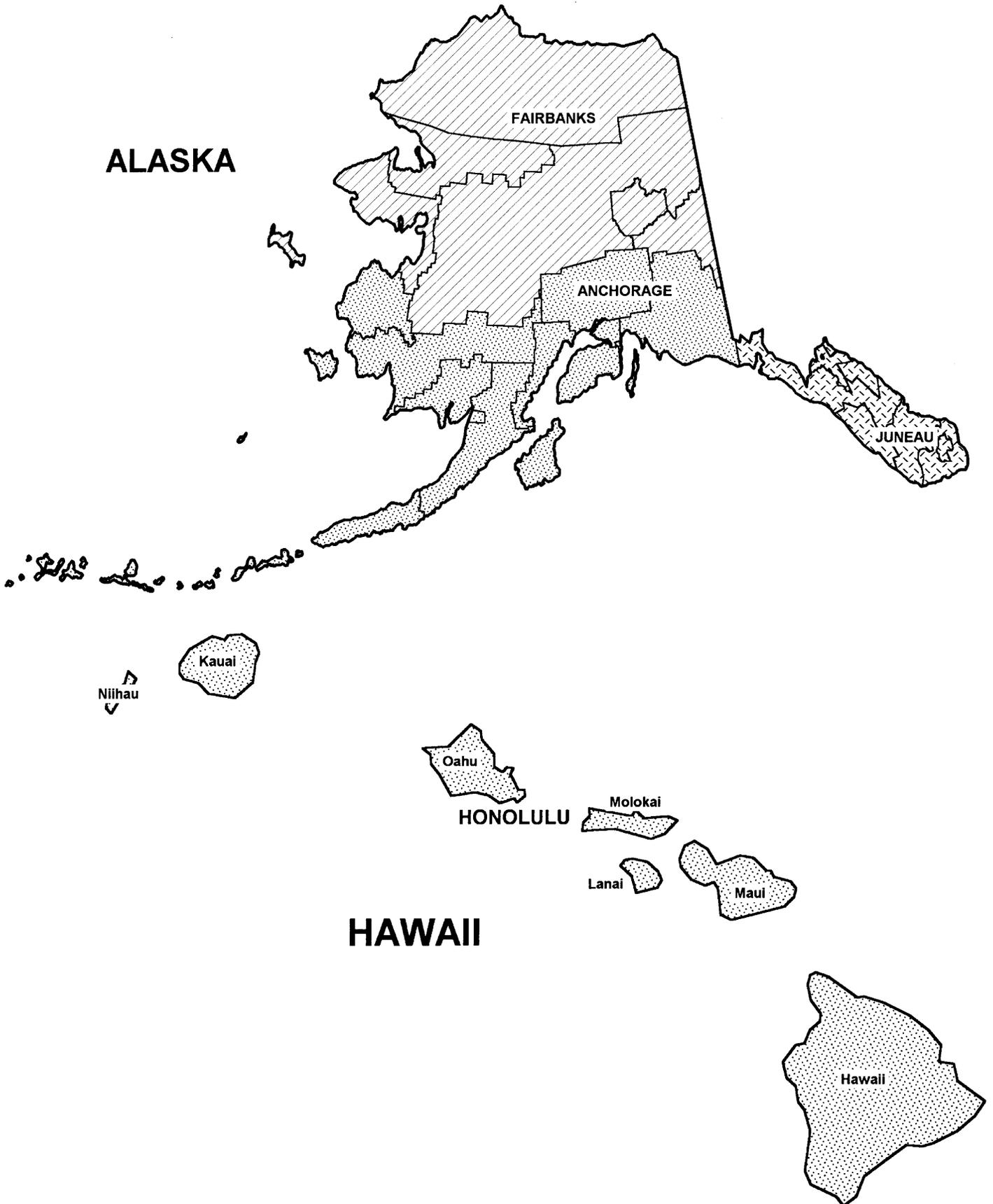


SOUTHERN REGION

COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS



MODERNIZED COUNTY WARNING AREAS



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