

STORM DATA



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Daniel B. Mitchell

DIRECTOR
NATIONAL CLIMATIC CENTER

STORM DATA AND UNUSUAL WEATHER PHENOMENA

FEBRUARY 1981

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA									
North and central	10	Morning			0	3	4	0	Wind
									High winds over much of north and central Alabama. Three people were injured in the Huntsville area; 2 by a falling sign and 1 when his van hit a fallen tree. Winds gusted to 52 mph at the Huntsville/DePatur Airport at 10:15 am. Tree and power line damage scattered throughout the region.
Selas, Dallas County	10	7:40a			0	0	2	0	Winds
									Trees downed by high winds. One mobile home roof damaged by falling tree limb.
Montgomery area, Montgomery County	10	8:39a			0	0	3	0	Wind and rain
									Winds gusted to 54 miles an hour at Dannelly Field in Montgomery at 8:39a. Window blown out of store. Numerous power outages, some streets flooded and a small camper blown over.
Bay Minette, Baldwin County	10	8:40a	1 1/2	150	0	62	6	0	Tornado
									Tornado developed in open field just west of Bay Minette Middle School. The tornado struck the school, then struck part of the residential and business districts as it moved northeast. Most of the injuries occurred at the school where 2 students were seriously hurt. The school had major damage. Seven homes were destroyed along with 1 business establishment. Total property damage was estimated at 3 million dollars.
Dothan, Houston County	10	5:45p	7	75	0	5	6	0	Tornado
									Tornado touched down southwest of city limits of Dothan and produced an intermittent damage path. The 5 injuries occurred when a double-wide mobile home was destroyed. One injury was very serious and caused by the refrigerator falling into one of the occupants. 40 cars on one lot had windows shattered by flying debris. Two homes under construction were destroyed. Three others had extensive roof damage. Damage was estimated at 1.5 million dollars.
South	10				0	0	6	0	Rain/Flood
									Heavy rains of 5 to 8 inches caused widespread flash flooding. Most damage was to county and city roads. Road damage in Conecuh, Covington, Coffee, Geneva, Dale and Houston counties was estimated to be \$1,155,000. There was also water damage to a few homes near Bayou Sara and Norton's Creek in the Mobile County area.
									The heaviest rain was over Escambia County in south central Alabama where Brewton had 3.81 inches for the 24 hour period ending on February 11. A large portion of Brewton and East Brewton was flooded.
ALASKA									
Southcentral	2	10am AST			0	0	2	0	High Wind
									An occluded front moving into the area caused 79 mph winds at Birchwood Airport.
ARIZONA									
									NONE REPORTED
ARKANSAS									
									NONE REPORTED
CALIFORNIA									
NORTHERN & CENTRAL									
									NONE REPORTED
CALIFORNIA SOUTHERN									
Santa Barbara County	17	Approx. 6 am.							Strong Winds
									In Central Santa Barbara, winds reported 20 to 40 mph gusts to 50 mph, peaking at 62 mph. Signs blown down, windows blown in (reported by radio station staff)
Ventura County	21	throughout day							"
									Simi Valley Fire Station reported winds Easterly 55 gusts to 80.
	21	throughout day							"
									Channel Island Harbor reported winds Easterly 45-65 mph occ. 80 mph.
	21	throughout day							"
									Santa Paula area, winds reported Easterly 45 to 60 mph.
COLORADO									
Northeast Foothills	1	Midday			0	0	0	0	High winds
									A wind gust of 68 mph was recorded at Buckhorn Mountain, in the foothills northwest of Fort Collins. Gusts in the Fort Collins area itself were clocked between 50 and 60 mph.
Northeast Foothills	8	midday			0	0	0	0	High winds
									A wind gust of 72 mph was noted atop Squaw Mountain, west of Denver, with sustained speeds of 43 mph. 60 to 70 mph winds were felt at other spots in passes and canyons west of Colorado Springs and Denver, with 50 mph gusts in the Boulder area.
Eastern	10				1	0	0	0	Cold, snow
									The coldest air mass of the season struck eastern Colorado, sending air temperatures plunging far below zero. Readings of 10 to 20 below were common on the plains, but it felt far colder than that as bitter north winds sent chill factors down to around 50 below. 2 to 4 inches of snow fell on the plains, with 6 to 12 inches in the adjacent foothills and mountains. A Boulder man died of hypothermia while cross country skiing in the mountains west of that city during the arctic outbreak.
Eastern Foothills, Southwest	10-11				0	0	0	0	High winds
									Strong westerly winds heralded a quick end to the cold spell of the 10th. Gusts of 84 and 80 mph were recorded respectively at Mines Peak and Montevue, in the mountains west of Denver, with 76 mph at Buckhorn Mountain, northwest of Fort Collins. Gusts of 50 to 65 mph occurred along the Foothills from the Air Force Academy north to Loveland. A gust of 61 mph was noted at Durango, in southwestern Colorado.
Fort Collins	16	1700-1800			0	0	0	0	High winds
									A gust of 65 mph was recorded 3 miles northwest of Fort Collins. A thunderstorm, unusual for February, accompanied the wind.
Statewide	20	afternoon			0	0	0	0	High winds
									Strong winds blew over most of the State. The greatest velocities were 50 to 60 mph in the Fort Collins-Greeley area, and also at Montrose.
CONNECTICUT									
									NONE REPORTED
DELAWARE									
									NONE REPORTED
FLORIDA									
Bay County	01	11:00PM CST	0.3	6	0	0	3	0	Tornado
									A small tornado touched down briefly in southeast Panama City damaging a house, boat trailer and tool shed. Damage was less than \$1000.
Hillsborough County	02	5:30AM EST	0.5	10	0	0	5	0	Tornado
									A small tornado touched down in southeast Tampa destroying 2 mobile homes and heavily damaging 10 others. A barn and 3 large horse trailers also sustained damage. Total damage estimated \$75,000.
Martin County (3 West Stuart)	02	12:10PM EST	0.3	10	0	0	3	0	Tornado
									A small tornado struck a flower farm ripping up sheds and screens with heavy damage to many of the flower plants. A warehouse under construction nearby was also damaged. Total damage was estimated less than \$5000.
Okaloosa County	10	12:30PM CST	1.5	50	0	0	4	0	Tornado
									A tornado moved through a farming area several miles north of Baker causing extensive damage to 4 barns. Power lines and trees were downed in the area. Damage was estimated to be \$10,000.
Santa Rosa County	10	9:00PM CST			0	0	4	0	Lightning
									Lightning struck a house in Gulf Breeze and caused \$20,000 damage.
Lake County	11	10:15AM EST	1.5	10	0	0	4	0	Tornado
									A small tornado struck a section of downtown Leesburg destroying a service station, damaged several buildings, and knocked the windows out of several cars. Total damage was estimated to be \$30,000.

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					KILLED	INJURED	PROPERTY	CROPS	
GEORGIA									
Murray and Gordon Counties	10	Early morning to mid-afternoon			0	2	5	0	Wind Storm
		Strong winds, occasionally augmented by thunderstorm downbursts, knocked out power lines, ripped awnings from buildings, damaged several mobile homes, tore shingles from numerous roofs, and toppled a church steeple. One man was injured when a plate-glass window at a Clatsworth restaurant was broken.							
Seminole, Early, Lee Dougherty, and Calhoun Counties	10	7 P - 9P			0	0	5	?	Wind Storm
		Several thunderstorms moved to the northeast across the area, causing major damage to several trailers, and farm buildings, and at least two homes.							
Emanuel, Tattnall, Candler, Bulloch, and Screven Counties	10								
	11	10 P - 1A			0	9	6	?	Wind Storm
		A line of thunderstorms moved east through the area, damaging several chicken houses, homes, barns, mobile homes, two airplanes, two grain bins, and a peach orchard. The most extensive damage was 5 miles south of Statesboro, where 20 mobile homes were completely destroyed. Nine people were treated for minor injuries in the Statesboro area.							
HAWAII									
			NO DATA RECEIVED						
IDAHO									
			NONE REPORTED						
ILLINOIS									
			NONE REPORTED						
INDIANA									
Statewide	10, 11, 12								
		Beginning on the 10th and ending on the 12th, freezing rain, sleet and snow fell. Road surfaces became slick. There were numerous traffic accidents.							
5 Miles North Linton Greene County	19	7:45 P							Thunderstorm, winds
		A house was blown off its foundation and part of the roof was damaged. Also damaged the roof of a barn and leveled a garage near the home.							
IOWA									
All of Iowa Except Extreme Northwest	9, 11	9P - 4A	--	--	2	0	5	0	Winter Storm
		Snowfall of 4 to 6 inches over much of Iowa, 2 to 3 inches in the extreme North. Visibility at or near zero due to snow and blowing snow. Strong winds and cold temperatures combined for a wind chill of 60 degrees below zero. Many major roads, including Interstates, were closed. Several chain reaction automobile accidents occurred, the largest involved 50 vehicles and killed 4 people, on I-80 near Des Moines. Near blizzard conditions forced many schools to close around noon on February 10th. A man, apparently confused by blowing snow among white summer cottages on the South shore of Clear Lake was found frozen to death. A woman, a victim of exposure, was found in a snow bank in Waterloo.							
A Portion of Eastern	22, 23	930A - 7A	--	--	0	0	3	0	Heavy Snow
		A band of heavy wet snow (4 to 6 inches) fell in an area bounded by Mason City to just west of Dubuque South from Albia to Fairfield. Electric power lines accumulated 4 inches of snow and ice. These lines snapped as winds increased and resulted in numerous power outages.							
KANSAS									
			NONE REPORTED						
KENTUCKY									
			NO DATA RECEIVED						
LOUISIANA									
Catahoula Parish	1	7AM			0	0	3	0	Lightning
		Lightning struck and destroyed a filtration plant water pump in Jonesville.							
Jackson Parish	1	1AM			0	0	4	0	Thunderstorm
		Thunderstorm winds toppled a 110 foot recovery stack at a paper mill in Jonesboro.							
Calcasieu Parish	1	8 am			0	0	4	0	Thunderstorm
		Thunderstorm winds damaged a house trailer in Calysale.							
Iberia Parish	10	4AM			0	0	2	0	Lightning
		Lightning struck a home in Coteau resulting a fire destroying 3 rooms of the house.							
St. Tammany Parish	10	3AM-8AM			0	0	4	0	Thunderstorms
		An area of thunderstorms with excessive rain caused extensive urban flooding in Slidell where water entered small businesses on Front Street.							
Vermilion Parish	10	3 AM			0	0	4	0	Thunderstorm
		Thunderstorm winds overturned and damaged two mobile homes in Klondike and one in Riceville.							
East Carrol Parish	10	6 AM			0	0	3	0	Thunderstorm
		Strong thunderstorm winds destroyed a barn in Lake Providence.							
MAINE									
Aroostook, Piscataquis Penobscot, Hancock, Waldo Counties	2-3	Aftn-Morning			0	0	5	0	Wind and Rain
		Heavy rain and mild temperatures caused rapid snowmelt, producing minor flooding of streets and cellars throughout the region. Strong winds, with gusts to 54 mph at Bangor and to 50 mph in the Ellsworth area, broke off tree limbs. Many limbs fell on dwellings and vehicles and also cut utility lines causing widely scattered power outages. Roofs were blown off a motel under construction in Bar Harbor and a ten year old barn in Knox. The wind toppled a phone booth in Ellsworth. Damage by rain about 30% of total; by wind 70%.							
MARYLAND & D.C.									
Central and Eastern Shore	11	Early			0	0	5	0	Wind
		Winds developing ahead of an intense cold front gusted to over 50 mph, generally, with one report of 88 mph on the Chesapeake Bay Bridge. Travel on the bridge was closed to house-trailer vehicles and those subject to winds. Numerous power lines were blown down, especially in Baltimore and over Anne Arundel and Harford Counties, between 4AM and 5AM. The most serious damage occurred on the Eastern Shore. Much of the roof of one home on Kent Island was taken off; damage estimated at \$20,000; At the Kentmor airport several airplanes were overturned, one a total loss estimated at \$6,500; On Pighman Island some houses and trailer homes sustained damage in winds estimated to be gusting up to 90 mph around 6:15AM; The Kentmor Restaurant that was closed for the season was damaged to the extent of \$40,000 around 6:30AM. Total damage in the storm estimated at close to \$80,000.							
Baltimore Area	19	Early			0			0	Dense Fog
		Fog that developed after midnight and through the rush-hour period caused a serious condition on the Key Bridge over the Patapsco River. Twelve accidents, one involving over a dozen vehicles, sent 9 persons to hospitals and damaged 47 vehicles. Fog enveloped the bridge around 7:30AM, the accidents occurring in close succession before the bridge could be closed.							
MASSACHUSETTS									
			NO DATA RECEIVED						
MICHIGAN									
			NONE REPORTED						
MINNESOTA									
			NO DATA RECEIVED						

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MISSISSIPPI 10 N Moss Point (Jackson Co.)	10	7:45am CST	0.5	50	0	2	5	0	Tornado
A small tornado struck the Serenity Gardens community about 8 miles north of Escatawpa, or 10 miles north of Moss Point. The tornado destroyed 4 mobile homes and damaged another, tore the roof off a shed and overturned an automobile. Two minor injuries were reported.									
Lucedale (George Co.) and 7 NW Ocean Springs (Jackson Co.)	10	7:45am CST			0	0	4	0	Thunderstorm, High Winds
A line of heavy thunderstorms moved through extreme SE Mississippi producing wind damage at two locations in addition to the tornado in the above entry. A few trees and power lines were blown down at Lucedale in George Co. Near the Latimer community northwest of Ocean Springs in Jackson Co., a trailer was lifted off its blocks and slightly damaged, and several trees were blown down.									
MISSOURI	SEE END OF TABLE								
MONTANA	NONE REPORTED								
NEBRASKA	NONE REPORTED								
Northwest and North Central	10	Early Morning to Midday			0	0	0	0	Heavy Snow
Five inches of snow fell at Chadron and 4 inches at Valentine and Ainsworth. Gust winds caused blowing and drifting.									
Central and Eastern	10	All Day			2	?	?	0	Blizzard
Blizzard conditions occurred at times east of a line from Nicholas to McDook as snow was blown and drifted by winds gusting 40 to 50 m.p.h. Visibility lowered to less than 1/4 mile causing hazardous travel. Two highway fatalities resulted from accidents near Murray and Superior in low visibility. As temperatures fell by afternoon, wind chill factors lowered to minus 50 to 60. Numerous schools and businesses closed. Snowfall was generally 3 inches or less, however, 6 inches was reported near O'Neill and 5 inches at Falls City.									
NEVADA	NONE REPORTED								
NEW HAMPSHIRE	NONE REPORTED								
Statewide	11-12	Early Morn Early Morn			1	0	6	0	Heavy Rain & Ice Jams
Heavy rain, record-setting warmth, substantial snowmelt, and ice jams combined to produce numerous flooding problems throughout the state. Rainfall was generally between 1 and 2 inches. (Most was 2.70 inches in Walpole). Temperatures in the 50s to low 60s helped to produce a 6 to 12 inch loss of snowpack across the state. Along the Pemigewasset River, 45 Plymouth residents were evacuated and along the Sugar River, 140 residents were evacuated. A 65-year old handicapped Claremont woman fled a house fire but drowned in nearby flood waters early Thursday morning. Along the Ammonoosuc River, Littleton was devastated by ice and flood waters doing substantial damage to a small hydroelectric plant; demolishing and burying an outbuilding and a residential garage along with their contents; burying or sweeping 18 automobiles downstream; and derailing four freight cars via a rail bedding washout. (Estimated damage in Littleton \$500,000) Ice jams on the Mad River left 6,000 customers without power from 11 pm to 8 am Thursday in the towns of Thornton, Waterville Valley, North Woodstock, Lincoln, and Crampton. Frozen drains made cellar and street flooding commonplace and many roadways were closed statewide.									
Northern	20-21				0	0	5	0	Heavy Rain & Ice Jams
Torrential rains, mild temperatures and ice jams resulted in numerous flood problems. For the second time in 10 days, nearly 100 residents of northern New Hampshire were forced to evacuate their homes. The most severe flooding occurred around Plymouth, Conway, Ossipee, North Stratford, and West Stewartstown. One to two inch rainfalls were commonplace over the 48 hour period. The summit of Mt. Washington received 8.38 inches over a 60 hour stretch (night of 19th into morning of 22nd) with 3.21 inches falling in a 6 hour period ending at 1 am EST on the 21st. High water closed roadways in Plymouth, Conway, Bristol, Rumney, and Bridgewater. Flash Flood Warnings were issued for southern Coos, northern Carroll, and eastern Grafton Counties.									
NEW HAMPSHIRE (continued)	NONE REPORTED								
Statewide	24-25				0	0	5	0	Heavy Precipitation
Moderate rain began early on the 24th, changed to heavy wet snow that evening, continued through the 25th, and ended during the morning of the 26th. Some 48 hour rainfall and/or water equivalent amounts ending at 1 am EST on the 26th were: 5.63 inches at Portsmouth, 4.48 inches at Mt. Washington, 3.81 inches at Concord, and 3.39 inches at Lebanon. Snowfall varied from less than 2 inches along the immediate coast and over the extreme north, upwards to 12 to 26 inches over central and western sections. Heaviest amounts were confined to Grafton, Sullivan and northern Cheshire Counties. The heavy wet snow tore down numerous tree limbs and power lines leaving about 35,000 homes without electricity from just a few minutes to more than 12 hours. About 300 customers in Keene and Newport were without power for as long as 36 hours. Most residents affected were in a path 50 to 75 miles wide between Keene and Conway.									
NEW JERSEY	NONE REPORTED								
NEW MEXICO	NONE REPORTED								
Statewide	10	Daytime			0	0	4	0	Wind, Cold
Strongly developing storm brought severe windiness to most areas of the State. Damage reported to lightly built structures from wind and from flying debris. Some snow in northern areas and below zero temperatures northeastern plains and east-central border area. Wind gusts measured to 43 knots at Albuquerque WSO and to 39 knots at Clayton WSO.									
NEW YORK COASTAL	NONE REPORTED								
NEW YORK CENTRAL	NO DATA RECEIVED								
NEW YORK WESTERN	NONE REPORTED								
Dunkirk in Chautauque County	11				0	0	5	0	Wind
Strong winds with gusts up to 70 mph raked the area, destroyed a hangar, totally damaged 2 light planes, partially damaged 3 others. It also blew away roofs of two buildings and a house. There were power failures from trees falling and breaking power lines.									
Sunset Bay in Chautauque County	18				0	0	4	0	Ice Jam Flood
Unseasonably warm February weather quickly thawed all snowcover, broke river ice caps and created ice jams and flooding. Roads had to be closed and 10 people had to be evacuated.									
West Seneca in Erie County and Chili in Monroe County	24				1	0	4	0	Ice Jam & Rain
Unusually warm weather in addition to heavy rain thawed river ice and caused ice jams. Along the Cazenovia Creek in West Seneca, ice slabs as big as garage floors overflowed the banks and crashed against nearby homes. One man was killed in his basement when one of these slabs slammed and crushed the walls. Ice floes littered the streets for days.									
Three houses in Chili near Rochester were surrounded by water for 3 days.									
NORTH CAROLINA	NO DATA RECEIVED								
NORTH DAKOTA	NONE REPORTED								
Entire State	6-7	Night All Day			0	1	4	0	Winter Storm
Strong northwest winds (up to 65 mph at Bismarck) caused considerable blowing snow which resulted in near blizzard conditions. The poor visibilities created by the blowing snow caused the cancellation of numerous social events, the stranding of motorists, and the closure of the Grand Forks airport. During the storm, wind chill temperatures dropped to around 50 below, and some roads became blocked by snow drifts. Four persons were stranded for 13 hours during the storm, and one of the persons suffered frostbite on his feet. The strong winds broke power lines causing some rural Mercer County residents to go without power.									

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OHIO										
All times Eastern Standard										
Entire State	12	All Day	-	-	0	0	3	0		Extreme Cold
An arctic cold front moved through the state dropping temperatures more than 50 degrees. Lows were 10 to 20 degrees below zero with several record lows being recorded. Snow caused several accidents.										
2 Miles East of Zanesville	19	530PM	1/4	100	0	0	4	0		High Winds
A small windstorm with light rain did considerable damage in a small area. A camper was blown over and destroyed, siding was ripped off a house, a wall was toppled and shrubbery was ripped up.										
OKLAHOMA										
Entire State	10	All day			0	?	?	?		Wind, Ice Storm
A winter storm with high winds, freezing rain, snow and blowing snow caused widespread damage throughout the State. Trees were blown down, falling on at least two pickup trucks in Enid (Garfield County). A tree was blown over damaging a fence in Seminole (Seminole County). The roof was blown from a mobile home in Collinsville (Tulsa County). Power lines were damaged in several cities with service disrupted during the storm. Numerous schools and roads were closed including I-35 with the Blackwell Red Cross chapter sheltering about 40 stranded travelers. Exact extent of damages and/or injuries unknown.										
Yukon, Canadian County	15	2:15 p.			0	0	?	0		Wind
A strong gust of wind apparently caused the collapse of 10 steel construction support beams at Yukon's new school auditorium. The wall gave way then the top beams began to fall one after the other. The wind gust was estimated at 40 m.p.h. No estimate was given on the damages. The structure was insured.										
OREGON										
Portland/Vancouver and Columbia Gorge	11	mid-noon	UNK	UNK	0	UNK	UNK	UNK		Freezing rain
Northwest	16-18		UNK	UNK	0	UNK	UNK	UNK		Flooding - heavy rains during period
Northeast (Pendleton area)	16-18		UNK	UNK	0	UNK	UNK	UNK		Heavy rains snow melt - local flooding and swollen streams
Western	19	3-4 AM	UNK	UNK	0	UNK	UNK	UNK		High winds
Columbia Basin area	19	5-6 AM	UNK	UNK	0	UNK	UNK	UNK		Strong winds
PACIFIC										
NO DATA RECEIVED										
PENNSYLVANIA EASTERN										
Eastern Pennsylvania	1	5PM to 2	1PM EST		0	0	3	0		Heavy Rain
Precipitation amounts of 1 to 3 inches fell over most of Eastern Pennsylvania with 2.91 inches reported at the Wilkes-Barre Scranton Airport. The precipitation began as snow in some areas with as much as 1 inch in spots, but turned to rain which came down heavy at times. The result was some roadway and basement flooding.										
Eastern Pennsylvania	8	10 AM to 10	10 PM EST		0	0	3	0		Snow, Wind
Snow fell over all but the extreme southeast corner of Eastern Pennsylvania with accumulations of an inch or two south, but 3 to 6 inches north. The snowfall brought hazardous driving conditions that resulted in quite a few automobile accidents. The snow ended across the area anywhere from 5 PM to 10 PM with strong wind gusts developing around 8 PM to 10 PM. The winds gusted to around 40 MPH with Allentown reporting 43 MPH. The wind caused some damage, such as blown in window and combined with the snow to down some utility lines.										
PENNSYLVANIA WESTERN										
NONE REPORTED										
PUERTO RICO										
NONE REPORTED										
RHODE ISLAND										
NO DATA RECEIVED										
SOUTH CAROLINA										
Northern	1	day			0	0	3	0		Freezing rain and sleet
Area of freezing rain and sleet developed across northern South Carolina causing considerable disruption of traffic and numerous pedestrian injuries.										
Berkley County	2	early AM			0	0	3	0		High Winds
High winds caused considerable damage to trees utilities and several mobile homes in the College Park Middle School area.										
Richland County Horrel Hill Community	11	1 AM	0.8	33	0	0	0	0		Tornado
Small tornado in eastern Richland County caused considerable damage to trees, buildings and utilities.										
Aiken County Windsor Community	11	1:30 AM	1	500	2	10	4	3		High Wind
High winds in connection with a severe thunderstorm destroyed a mobile home which burned killing 2 boys. Elsewhere in state 10 injuries were caused by wind.										
Lexington, Orangeburg County (SE of Swansea)	11	1:15 AM	2	50	0	0	3	0		Tornado
Small tornado several miles southeast of Swansea destroyed or damaged several buildings over a 2 mile path.										
Dillon County Fork Community	2	2 AM	0.1	33	0	0	3	0		Tornado
Tornado touched down near Fork and destroyed several barns, two mobile homes and other minor damage.										
Dillon County Floydale and Gaddy Mill community	11	3:10 AM	0.1	33	0	0	3	0		Tornado
Small tornado touched down near Floydale and destroyed a mobile home, 2 occupants escaped unharmed, also a tobacco barn, trees and utilities were damaged.										

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SOUTH DAKOTA									
NONE REPORTED									
TENNESSEE									
Statewide	10	All Day			4	5	?		High winds
<p>High winds were produced across the state especially in counties of East and Middle Tennessee. The winds were a result of a developing low pressure system over Texas and Oklahoma. Winds across the state were sustained 15 to 25 miles an hour. Weather observing locations reported peak gusts of: Memphis 42 mph at 1:57 a.; Nashville 51 mph at 8:50 a.; Crossville 55 mph at 10 a. and 45 mph at 4 p.; Chattanooga 35 mph at 11:14 a.; Knoxville 37 mph at 1:00 p.; and Bristol 35 mph at 6:39 a.</p> <p>Damage was very general with most counties reporting trees and power lines downed by the winds. Three children were injured, one seriously, in Sevier County, 12 miles east of Clinton when a section of roofing blew from a building and struck a car in which they were riding. In Sparta (White County) one person was injured when a tree fell onto a house.</p> <p>Buildings in weakened conditions such as small outbuildings and old barns were victims of the winds. However, other roofing was also damaged by the winds. In Greene County, \$6,000 damage was done to school roofs. Mobile homes, those that were not tied down, were very susceptible to the high winds. In several cases, schools were let out early due to power outages caused by downed lines.</p> <p>Other damage was done to billboards, plate glass windows, airplanes and a church steeple.</p>									
Wartrace to Bell Buckle, Bedford County	19	3:45 p.					?	?	Hail
<p>One-half to three-quarter inch hail fell for a short period, reportedly covering the ground at one time.</p>									
TEXAS									
NORTHERN									
Hilltop Lakes and Normangee, Leon County	10	2:00 A	?	?	0	0	?	?	Windstorm
<p>A fast moving squall line produced scattered wind damage across southern and eastern Leon County. The roof of a motel in Hilltop Lakes was destroyed and scattered damage occurred to trees, signs, and mobile homes in the Hilltop Lakes and Normangee areas.</p>									
Southern Houston County	10	2:45 A	?	?	0	0	?	?	Windstorm
<p>Further wind damage occurred as the squall line moved across southern Houston County. Trees and several mobile homes received moderate damage in and around Lovelady, Texas.</p>									
Trinity County	10	3:30 A-4:00 A			1	0	5	5	Windstorm
<p>Heavy damage occurred in several portions of Trinity County as the squall line continued to move rapidly to the east. One swath of damage seemed to be centered along a track from Trinity east-northeastward to the Woodlake area which is southeast of Groveton. In Trinity, an 80 year old woman was killed when her mobile home was overturned by high winds. At least three short tracks of wind damage occurred in Trinity, with several buildings unroofed and load-bearing walls destroyed by the winds. A number of large trees were uprooted. The strong winds preceded heavy rain and small hail in the Trinity area. A similar sequence of events occurred in Woodlake, where trees were toppled and several garages destroyed by the winds. Farther north, high winds uprooted or toppled trees in the Davey/Crockett National Forest near Center-ville and Helnic. One-half million board feet of timber were destroyed by the winds.</p>									
Southern Angelina County	10	4:00 A-4:30 A	?	?	0	3	5	?	Windstorm
<p>Violent thunderstorm winds moved into the Diboll area shortly after 4 AM as the squall line entered Angelina County. Several mobile homes were overturned and destroyed in Diboll, but no deaths and only three minor injuries resulted. Scattered heavy damage also occurred to building roofs, powerlines, trees, and signs in Diboll. Much of the heavy damage occurred along Highway 59 in Diboll. Total damage in Diboll was estimated at almost \$400,000. Scattered wind damage also occurred in Huntington as well as in more rural portions of Angelina County.</p>									
North Texas	10-12				1	0	?	?	Extreme Cold
<p>Bitterly cold temperatures -- the coldest of the winter -- occurred across North Texas. Readings as low as 8 degrees at Sherman occurred on the 12th. A 78 year-old Harrison County woman died when her car got stuck on a rural road near Marshall. She tried to walk the remaining 1/4 of a mile to her home but froze to death in the process. Although the fatality occurred late on the 11th, her body was not found until the following day.</p>									
Lometa, Lampasas County	21	12:30 P			0	0	4	0	Windstorm
<p>A rapidly developing thunderstorm produced a downburst of straight-line winds which toppled a cable TV tower at Lometa.</p>									

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
NORTHERN									
Waco, McClellan County	21	4:00 P			0	0	4	0	Windstorm
<p>Thunderstorm winds ripped but a portion of the heart of Texas Coliseum roof, resulting in \$34,000 damage. Powerlines and several billboards were blown down in the same area of Waco.</p>									
10 W Gilmer, Upshur County	21	14:40 P	Short	Narrow	0	0	0	?	Tornado
<p>A tornado apparently touched down briefly, uprooting trees along Highway 154 20 miles west of Gilmer.</p>									
4 SE Hughes Springs, Cass County	21	5:30 P	?	?	0	0	0	?	Tornado
<p>A small tornado, indicated by radar, was verified by Hughes Springs' Constable Harold Perry, 4 miles southeast of Hughes Springs. The tornado apparently developed from the same thunderstorm which earlier spawned the Upshur County tornado. Apparently little or no damage resulted from the Cass County tornado.</p>									
Jefferson, Marion County	21	7:05 P-7:10 P	?	?	0	0	?	?	Tornado and Windstorm
<p>Strong winds caused minor damage in the Jefferson area. The storm was accompanied by heavy rain and north size hail. A tornado touched down briefly several miles north of Jefferson at 7:10 PM, causing no more than minor tree damage.</p>									
TEXAS SOUTHERN									
Hardin Co.	1	6:45 am			0	0	4	0	Wind
Jefferson Co.	1	7:00 am			0	0	5	0	Wind
<p>Strong northerly winds caused by a cold front and accentuated by higher gusts in thunderstorms produced scattered wind damages over these two counties. Some 6000 homes were without power as major damage occurred to power lines downed by winds and falling trees. In Jefferson County the cities of Port Neches, Fort Arthur, and Nederland reported damages to residential roofs, signs, small buildings, and windows.</p>									
Williamson Co.	10	1:06 am			0	0	?	0	Wind
	10	1:10 am			0	0	4	0	Hail
<p>An eastward moving line of thunderstorms developed one severe cell which passed over the city of Georgetown with large hail and damaging wind gusts. The swath of wind and hail continued eastward through the county for the next 30 minutes doing scattered damage to rural parts of central and eastern Williamson County. Some hail stones were as large as 1-1/2 inch diameter near the path of a short lived tornado through Georgetown (see next entry). Most hail stones, however, were 1/2 inch in diameter but fell in such great quantities that the ground was covered to a depth of 4 inches. Other adjacent storm cells also dropped copious small hail over: Andice, Cedar Park, and Jarrell. Mainly roof and vehicle damages were reported from the hail, while scattered roof and sign damages occurred from the wind. At Granger wind gusts downed large trees, damaged rural buildings and grain storage bins, peeled roofs, and damaged at least 4 mobile homes.</p>									
Williamson Co. (Georgetown)	10	1:13 am	3/4	100	0	0	5	0	Tornado
<p>A small and short-lived but damaging tornado was generated by the severe thunderstorm cell which passed over Georgetown. The twister first touched ground on the south side of the North San Gabriel River. It crossed the river basin on a northeasterly path and moved over the Lakeair Shopping Center and adjacent residential areas about 1 mile northwest of downtown Georgetown. Worst damage occurred at the shopping center where the 150 yard-wide damage swath included numerous stores which suffered roof, window, wall, and content loss. A savings and loan company was berofed entirely. The tornado then weakened and its path width decreased as it moved over a residential area. About 16 houses sustained roof damage and numerous windows were broken on the south sides of the houses. Dozens of cars were reported damaged. The tornado lifted about 3/4 mile from its starting point and there was no further evidence of other touchdowns. Total damages in Georgetown were estimated at \$250,000.</p>									
Wilam Co.	10	2:00 am			0	0	?	0	Wind
	10	2:00 am			0	0	?	0	Hail
<p>A severe thunderstorm which earlier had moved through Williamson Co. apparently weakened as it entered Milam Co. No significant damages were reported until the storm system again intensified as it exited eastward from Milam County. At the community of Gause in extreme eastern Milam County, large hail and damaging wind gusts were reported as the storm moved through about 2 am. Extent of damages in this rural area were not known.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

FEBRUARY 1981

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
SOUTHERN									
Robertson Co.	10	2:15 am			0	0	5	0	Wind
	10	2:20 am			0	0	4	0	Hail
Brazos Co.	10	2:25 am			0	0	5	0	Wind
	10	2:30 am			0	0	5	0	Hail
<p>That segment of a north-south line of thunderstorms which passed through these two counties rapidly intensified to severe level as it entered the western portions of both counties. Severe wind gusts along the line of storms caused wind damages over both counties. In Robertson County a meat processing plant at New Baden was unroofed, while other roof and window damages were reported at Hearne, Calvert, Bremond, and Franklin. Utility poles and lines were downed throughout Robertson County. Large hail followed the wind at various places in Robertson County. In Brazos County similar wind blasts occurred and apparently were strongest in the northern part of the county. In Bryan scattered damages were reported including one building which was unroofed. Over northern Brazos County including the north side of Bryan, significant hail damages occurred to buildings and vehicles. Stones ranged in size up to 2-1/2 to 3 inches in diameter over parts of Bryan. One tornado was reported near the swath of largest hail stones (see next entry).</p>									
Brazos Co. (near Kurten)	10	2:45 am	2	75	0	1	4	0	Tornado
<p>One discernible tornado was generated by the same storm cell which was producing huge hail stones over northern Brazos County. At about 2:45 am the twister directly hit a mobile home in the rural farming area west of the Kurten Community. One man, the occupant of the mobile home, was injured and the home was destroyed. The twister's path was a straight line along a direction just a few degrees north of due east while other individual storm cells in the area appeared to be moving east-northeast or northeast. The tornado barely missed hitting other homes in the area before it lifted about 2 miles along its path.</p>									
Madison Co.	10	3:00 am			0	0	6	0	Wind
	10	3:00 am			0	0	5	0	Hail
Grimes Co.	10	3:00 am			0	0	5	0	Wind
	10	3:00 am			0	0	5	0	Hail
<p>The line of severe storms entered these two counties from the west at about the same time. A swath of very large hail stones covered central and southern Madison County and northern Grimes County. Widespread hail damages were reported to roofs, windows, and vehicles from the 20-minute duration hail storm. Stone diameters up to 2-1/2 inches were reported in the hail swath. The strong wind gusts which accompanied the storm produced slight to moderate damage to numerous mobile homes in Madison County and northern Grimes County. On Interstate Highway 45 in Madison County a large truck was blown off the highway and into its side while several cars were reported blown off the pavement. No injuries were reported in those incidents. At least one vacant mobile home was totally destroyed near Zurich in Madison County. One definable tornado occurred along the southern boundary of the hail swath in Grimes County (see next entry).</p>									
Grimes Co. (near Bedias)	10	3:10 am	2 1/2	75	0	2	5	7	Tornado
<p>Although widespread slight to moderate damages were caused by thunderstorm wind gusts through this area, a well defined tornado path left about a 2-1/2 mile trail of more severe damages in northern Grimes County. The tornado path was along a direction a few degrees north of due east beginning about 3 miles west of the Bedias Community near Farm-to-Market Road 1696. Barns, buildings, and fences were extensively damaged at three dairy farms in this area. The twister passed very close to a mobile home on one of the farms completely demolishing it and strewing debris for considerable distance down the tornado path. A man, woman, and two children were occupants of the home. Both adults were injured in the tornado while the two small children were found unharmed in the rubble, sandwiched between two mattresses which protected them. The tornado lifted before reaching Texas Highway 90. No damage occurred in the town of Bedias.</p>									
Walker Co.	10	3:15 am			0	2	5	0	Wind
	10	3:15 am			0	0	4	0	Hail
<p>A line of thunderstorms entered the county from the west about 3:15 am accompanied by strong wind gusts and large hail. Most damage occurred over central and northern parts of the county as the largest storm cell moved eastward over the area. Scattered roof and window damages were reported in many areas. Major damage to mobile homes occurred in the Windswept Downs community of northern Walker County. The most seriously damaged homes in that area were unoccupied and no injuries occurred there. Just north of Huntsville, two truck drivers were injured in separate but similar instances when the sudden wind blasts hit their parked trucks broadside causing them to topple over. Within the city of Huntsville signs, roofs, and windows were damaged. Numerous fallen trees damaged automobiles and houses. Damaging hail occurred northward from Huntsville into Madison County. Rocks and cars apparently suffered most from the hail. A killer tornado left a discernible path through central Walker County (see next entry).</p>									
TEXAS (continued)									
SOUTHERN									
Walker Co. (near Huntsville)	10	3:25 am	20	100	1	8	5	0	Tornado
<p>This tornado appeared to have occurred along the western or south-western edge of the main severe thunderstorm cell. The path was just on the southern boundary of the hail swath and was in a direction just a few degrees north of due east. First touchdown was about 12 miles west-northwest of Huntsville on the south side of Farm-to-Market Road 1696. The twister's path carried it directly into a mobile home community off Farm-to-Market Road 2550 near the Mount Zion area. Several mobile homes were demolished causing one death and six injuries. Killed was a 19-year old woman and seriously injured was her 6 months old son. A middle-aged man and another woman were seriously injured, a 67-year old man in a neighboring house was seriously injured, and two teen-agers received minor injuries. Debris from the mobile homes was carried aloft and collected in trees and power lines several miles away. The path was about 7 miles eastward lasting until it reached the vicinity of US Highway 75 where a lumber company was heavily damaged. From that point for another 8 miles the tornado was considerably weaker as it passed just to the north of Huntsville. Several houses were deroofed, a church roof was damaged, and other mobile homes just to the north of Huntsville received minor to moderate damage as the tornado passed through the area. Beginning about 5 miles northeast of Huntsville the tornado left another path of more serious damage for an additional 5 miles before ending. During its last leg, the twister passed directly over a recently built but still unoccupied two-story house, removing the upper floor, and heavily damaging the lower portion. A nearby mobile home caught the peripheral winds of the tornado and was destroyed. Two of the four occupants in the mobile home received minor injuries. The damage path ended just north of the Dodge Community.</p>									
San Jacinto Co.	10	3:45 am			0	0	?	?	Wind
<p>Strong damaging wind gusts were reported over the northern part of San Jacinto County affecting roofs, windows, and knocking down trees. The gusts were apparently associated with the leading edge of a line of eastward moving severe thunderstorms. Full extent of damages and dollar estimates were not known for this rural area.</p>									
Polk Co.	10	3:55 am			0	0	5	0	Wind
	10	4:00 am			0	0	4	0	Hail
<p>The line of thunderstorms entered Polk County from the west about 3:55 am. Damaging wind gusts were reported as the severest portion of the line tracked eastward over northern Polk County. At Onalaska an unoccupied mobile home was destroyed by the wind blasts while elsewhere around the county many mobile homes were knocked off blocks and otherwise damaged. Many vacation homes on Lake Livingston suffered wind damage including some with roofs blown off. The city of Corrigan sustained extensive wind damage including many house windows broken and shingles removed, several businesses heavily damaged, numerous trees knocked down, utility lines and poles severed, and several apartment complexes damaged. One large apartment complex built by the housing authority suffered such window and roof damage. Large hail fell across the northern parts of the county also, and most accounts stated that the hail began falling soon after the wind damages occurred. Vehicles and roofs sustained additional damages from the hail.</p>									
Tyler Co.	10	4:15 am			0	0	5	0	Wind
Jasper Co.	10	4:45 am			0	0	?	0	Wind
<p>The eastward moving line of severe thunderstorms entered wester Tyler County about 4:15 am. At 4:30 am the severe wind gusts hit Woodville causing considerable damage. Besides roofs peeled and windows damaged, numerous pine trees were blown down and onto buildings and causing further damage. Many large power line breaks occurred throughout the county as trees fell across lines. Damages were also reported at Hillister, Spurger, Colmesneil, and Chester. Along Farm Road 1727 east of Woodville huge swaths of trees were knocked down. Small hail accompanied the storm through Woodville. The damaging wind gusts persisted eastward through forested areas of central Jasper County but apparently caused no great damages in populated portions of the county. The storm began to weaken as it exited Jasper County to the east.</p>									
TEXAS WESTERN									
NONE REPORTED									
UTAH									
NONE REPORTED									
VERMONT									
NO DATA RECEIVED									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

FEBRUARY 1981

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
VIRGINIA									
South Central and Eastern	2	Morning			0	0	4	0	Wind
	At Mealing, near Davville, the porch and another wing of a home were damaged, along with some barns nearby at around 4:50AM. At about the same time trees and power lines were damaged in Chesterfield County, with some roads blocked. Elsewhere, several homes were damaged in Hartfield, Middlesex County. Gusty 60 mph winds in the Norfolk area between 6:30AM and 8:30AM caused scattered damage and forced the closing of the Chesapeake Bay Bridge-Tunnel to recreational vehicles and empty tractor-trailer rigs. Total damage was estimated at around \$30,000.								
Statewide	10-11				0	0	4	0	Wind
	Winds in advance of a strong cold front gusted to between 50 and 60 mph beginning the night of the 10th and continuing on the 11th. Scattered mainly light damage was reported - from the extreme southwestern counties, where trees blocked roads, to the Norfolk area where many homes were affected by power outages. A 200-year-old home in Wakefield, Sussex County, was heavily damaged by a large tree that toppled against the roof and porch. Total damage near \$50,000.								
Chesterfield County	11	6:45 p	1/8	70	0	0	5	0	Tornado
	Small tornado, apparently just ahead of a strong cold front, moved in a NW to SE direction. It touched down momentarily and caused extensive damage to a metal company office building and two other adjoining buildings, about 2 miles south of the Richmond city limits. Although no funnel was sighted, witnesses reported a loud roaring sound, accompanying the storm which lasted only around 30 seconds. Distribution of debris also suggested rotation. Bits of debris from the buildings were traced some 4 miles downwind. Total damage was estimated at a little over \$100,000.								
VIRGIN ISLANDS									
NONE REPORTED									
WASHINGTON									
King, Pierce and Snohomish Counties	19	morning	-	-	1	0	5	0	wind and lightning
	Pacific frontal system moved through the affected counties causing widespread damage. Many areas reported power outages and several houses were damaged by falling trees. Winds in the area gusted up to 65 mph. In King County, one man was killed as he stood naked and "apparently intoxicated" on the roof of his apartment observing the storm. The strong winds blew him over the edge. Lightning struck a condominium in King Co., causing a large fire. In Pierce Co. two 200 ft. broadcast towers were blown down.								
WEST VIRGINIA									
	10	5pm-12am			0	0	4	0	High Winds
	Strong low pressure system over Indiana, moved northward to Great Lakes. High winds whipped across West Virginia in advance of a cold front. Peak wind of 75 mph recorded in Bluefield at 4pm and at Charleston 68 mph was recorded at 8:44pm. Numerous reports of downed power lines and trees, and of homes receiving minor damage.								
Northern half	10	Evening							
	80 ft. by 60 ft. metal roof blown off barn at Salem's Ridge near Elkins.								
Southern half	10	5pm-12am							
Logan County	10	5pm-12am							
	Mobile home blown from foundation at Chapmanville.								
Kanawha County	10	5pm-12am							
	Roofing blown off at Shiley's hotel, in South Charleston and a car dealer's window was damaged. Wind damage done to awnings at the Arcade. Two aircraft turned over at Kanawha airport.								
WISCONSIN									
Southeast quarter of state	09-10	10pm-8pm			0	0	0	0	snow, wind
	5 to 11 inches of snow fell beginning after 10pm on the 9th and continued into the evening of the 10th. Northerly winds 30 to 40 mph accompanied the latter portions of the storm, resulting in considerable drifting snow. Many highways were blocked during the evening of the 10th.								
WYOMING									
NO DATA RECEIVED									
MISSOURI									
Except Southeast	11								Snowstorm
	A large portion of the state had heavy snow driven by strong winds and bitter cold temperatures. Conditions ranged from near blizzard to blizzard. Snow ranged from 3 to 9 inches. Wind chills reached -60 and lower in some sections. Most schools and much of industry were closed. At least two deaths were directly attributed to the storm.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM																																																						
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- O Includes crop damage.
- C Crop damage.
- * Miles instead of yards.
- ** Yards instead of miles.
- † Storm damages are placed in categories varying from 1 to 9 as follows:
 - 1 Less than \$50
 - 2 \$50 to \$500
 - 3 \$500 to \$5,000
 - 4 \$5,000 to \$50,000
 - 5 \$50,000 to \$500,000
 - 6 \$500,000 to \$5 Million
 - 7 \$5 Million to \$50 Million
 - 8 \$50 Million to \$500 Million
 - 9 \$500 Million to \$5 Billion

Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of the type of data, it is not all-inclusive. Late Reports and Corrections will be carried in the month following receipt of these data.

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