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STORM DATA



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Kenneth D. Walden

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

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NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, N.C.

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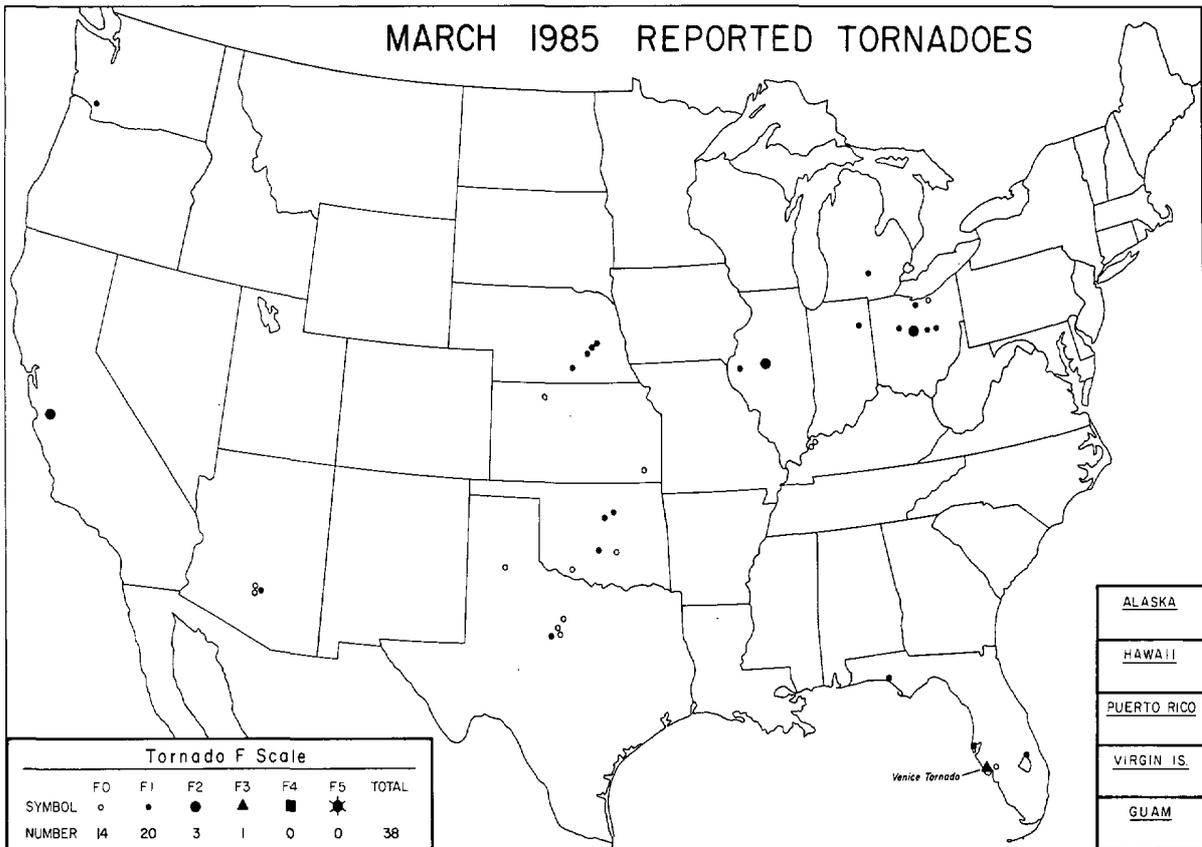
Cover: Two cars that were undoubtedly stopped, regardless of the sign, by blowing and drifting snow in Pierre, South Dakota. Pierre received 18 inches of snow during a winter storm that left snow-fall amounts of up to 33 inches over the state from March 1st to the 4th (see SNOWSTORM in the NORTHERN PLAINS, pages 4-6).
---Photo from the Pierre Times; supplied by the NWSFO, Sioux Falls, South Dakota.

NOTICE: Recent issues of Storm Data have been delayed beyond normal schedules in order to research material for the "Outstanding Storms of the Month" feature. We apologize for this delay and will return Storm Data distribution to normal schedule before the end of 1985.

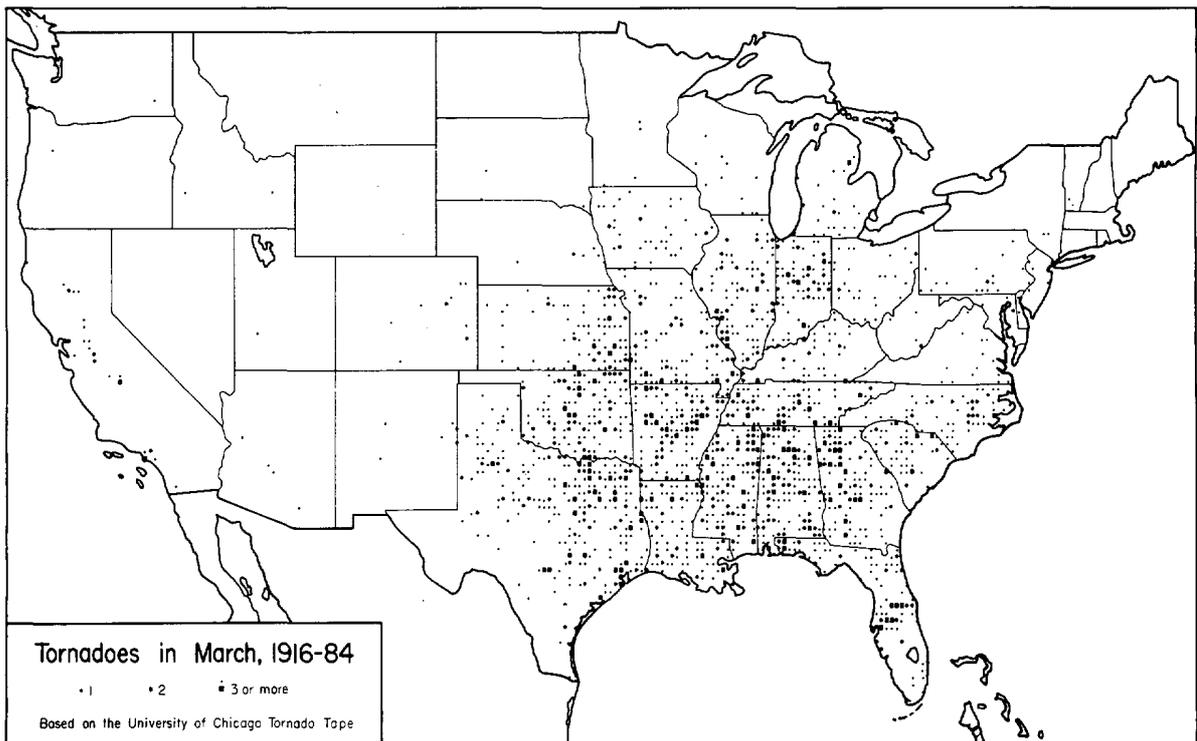
NOTE: The section on Outstanding Storms of the Month is prepared by Professor T. Theodore Fujita, editor, and Duane J. Stiegler, associate editor, University of Chicago. The narrative descriptions of Storms by State and Summaries of Hurricanes and Tropical Storms are prepared by the National Weather Service. The National Climatic Data Center compiles the statistics on deaths, injuries, and damage. This publication contains our best information on Storms, but, due to the difficulties inherent in collection of this type of data, it is not all-inclusive. Late reports and corrections will be carried quarterly.

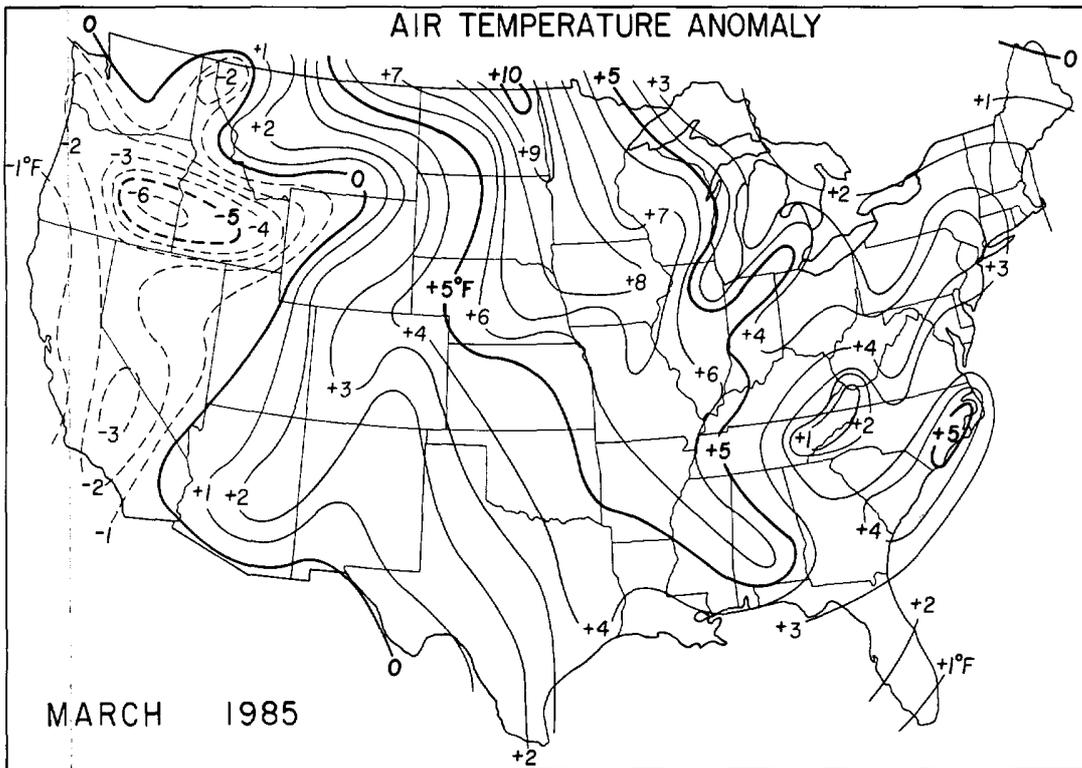
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National Climatic Data Center, National Environmental Satellite, Data, and Information Service, NOAA, Federal Building, Asheville, NC 28801-2696.

OUTSTANDING STORMS OF THE MONTH



<ul style="list-style-type: none"> ● COMPLETE REPORT RECEIVED ◐ PRELIMINARY REPORT RECEIVED ○ REPORT NOT RECEIVED <p>(N) northern (W) western (S) southern (C) central (E) eastern (O) coastal (SE) southeastern</p>	<table style="width: 100%; text-align: center;"> <tr> <td>● 1AL</td><td>● 7DE</td><td>● 14KS</td><td>● 21MN</td><td>● 28NJ</td><td>● 33OH</td><td>● 39SD</td><td>● 44VA</td><td>● 49AK(SE)</td> </tr> <tr> <td>● 2AZ</td><td>● 8FL</td><td>● 15KY</td><td>● 22MS</td><td>● 29NM</td><td>● 34OK</td><td>● 40IN</td><td>● 45WA</td><td>● 50HI</td> </tr> <tr> <td>● 3AR</td><td>● 9GA</td><td>● 16LA</td><td>● 23MO</td><td>● 30NY(O)</td><td>● 35OR</td><td>● 41TX(N)</td><td>● 46WV</td><td>● 51PR</td> </tr> <tr> <td>● 4CA(N)</td><td>● 10ID</td><td>● 17ME</td><td>● 24MT</td><td>● 30NY(C)</td><td>● 36PA(E)</td><td>● 41TX(S)</td><td>● 47WI</td><td>● 52VI</td> </tr> <tr> <td>● 4CA(S)</td><td>● 11IL</td><td>● 18MD</td><td>● 25NE</td><td>● 30NY(W)</td><td>● 36PA(W)</td><td>● 41TX(W)</td><td>● 48WY</td><td>● 53PC</td> </tr> <tr> <td>● 5CO</td><td>● 12IN</td><td>● 19MA</td><td>● 26NV</td><td>● 31NC</td><td>● 37RI</td><td>● 42UT</td><td>○ 49AK(N)</td><td></td> </tr> <tr> <td>● 6CT</td><td>● 13IA</td><td>● 20MI</td><td>● 27NH</td><td>● 32ND</td><td>● 38SC</td><td>● 43VT</td><td>○ 49AK(S)</td><td></td> </tr> </table>	● 1AL	● 7DE	● 14KS	● 21MN	● 28NJ	● 33OH	● 39SD	● 44VA	● 49AK(SE)	● 2AZ	● 8FL	● 15KY	● 22MS	● 29NM	● 34OK	● 40IN	● 45WA	● 50HI	● 3AR	● 9GA	● 16LA	● 23MO	● 30NY(O)	● 35OR	● 41TX(N)	● 46WV	● 51PR	● 4CA(N)	● 10ID	● 17ME	● 24MT	● 30NY(C)	● 36PA(E)	● 41TX(S)	● 47WI	● 52VI	● 4CA(S)	● 11IL	● 18MD	● 25NE	● 30NY(W)	● 36PA(W)	● 41TX(W)	● 48WY	● 53PC	● 5CO	● 12IN	● 19MA	● 26NV	● 31NC	● 37RI	● 42UT	○ 49AK(N)		● 6CT	● 13IA	● 20MI	● 27NH	● 32ND	● 38SC	● 43VT	○ 49AK(S)	
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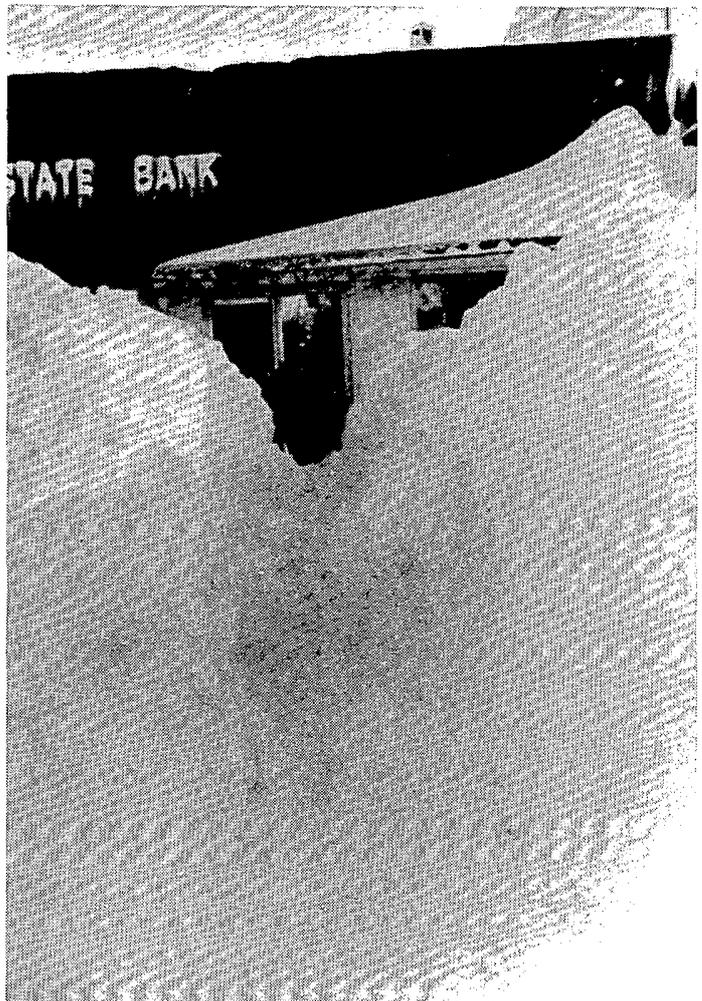




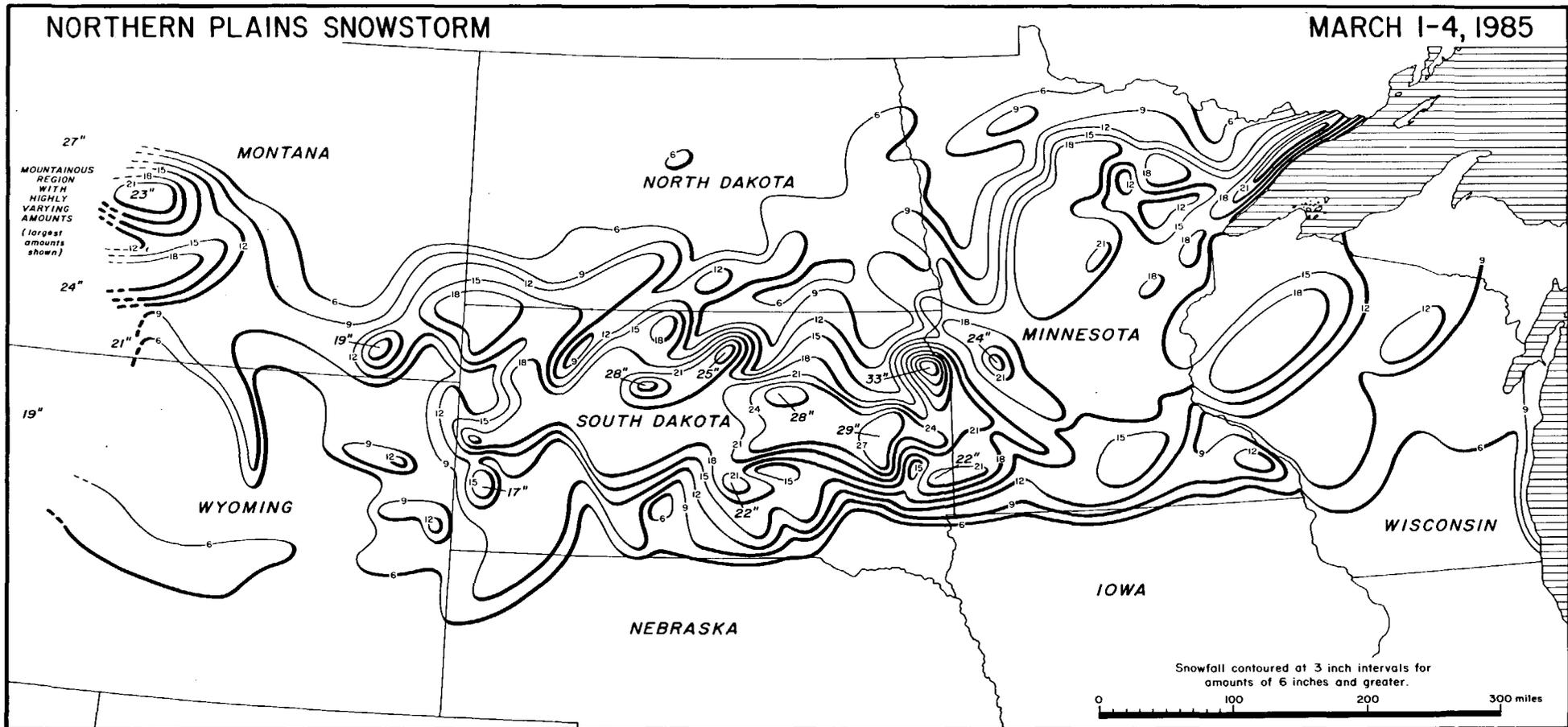
---Data base from NOAA/USDA Joint Agricultural Weather Facility.

1. SNOWSTORM in the NORTHERN PLAINS on March 1-4, 1985

A massive, late winter storm brought heavy snow to the northern Rocky Mountains on March 1st and 2nd, but its crippling effects were best felt in the Northern Plains where it brought a mixture of heavy snow, wind, sleet, rain and freezing rain, and lightning and thunder from the 2nd to the 4th. Snowfall in excess of 2 feet buried a large portion of central and eastern South Dakota, and parts of southwest and extreme northeast Minnesota (see map on next page). The highest snowfalls, each 33 inches, occurred at Summit and Milbank, both in northeast South Dakota. Strong winds whipped snow into drifts of 20 feet in some spots. Most highways and state roads were closed for 2 days, and major portions of the Interstate System were closed for lengthy periods as well. Some structures collapsed from the weight of the snow, while ice build-up from freezing rain downed many trees, powerlines and poles in areas south of the main snowband.

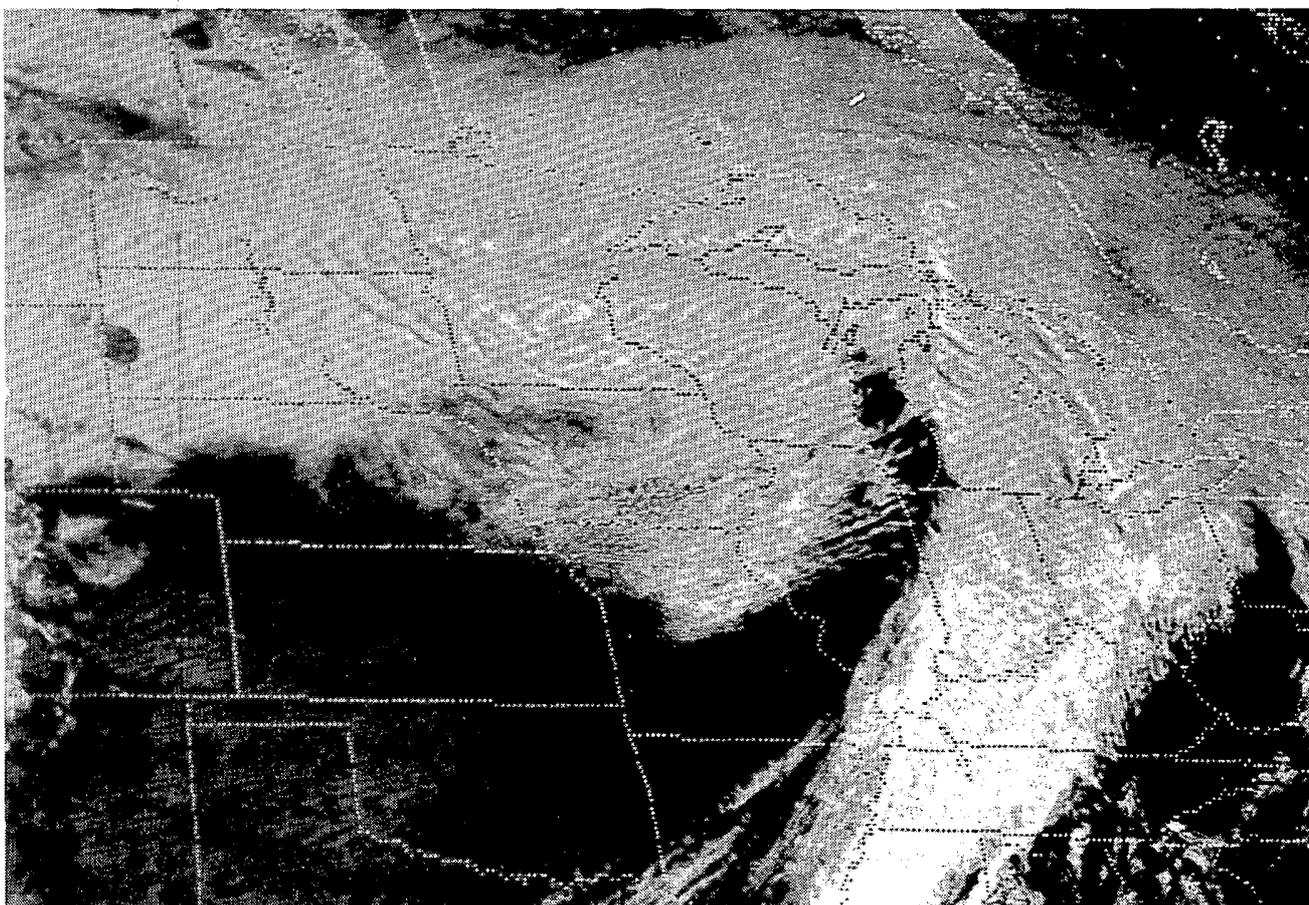
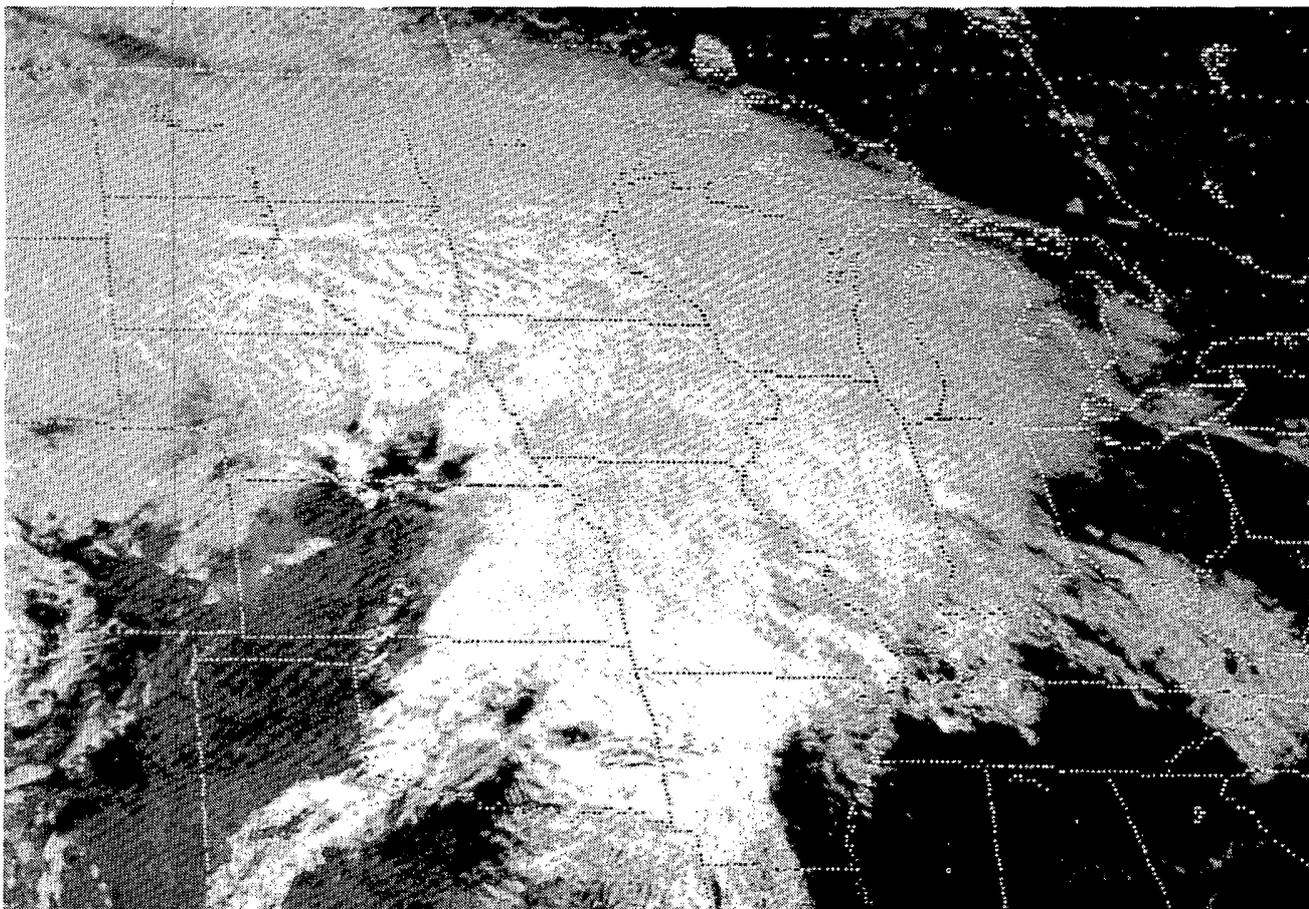


RIGHT: A snowtrench at the entrance to a bank in Wilmot, SD (near Milbank) on March 5th. ---Photo from the Wilmot Enterprise.



---Mapped by the University of Chicago from data supplied by NWSFOs at Des Moines, IA; Great Falls, MT; Omaha, NE; Bismarck, ND; Sioux Falls, SD; Milwaukee, WI and Cheyenne, WY; and the Minnesota State Climatology Office, St. Paul.

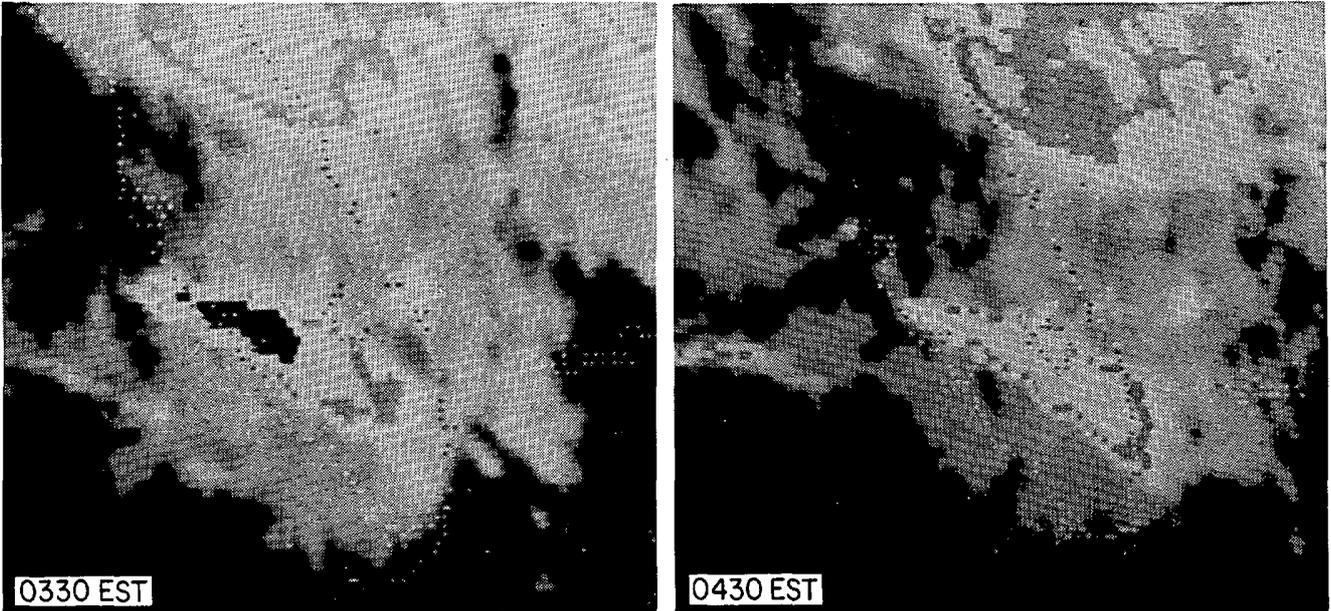
SNOWSTORM in the NORTHERN PLAINS ---- continued



GOES 6 satellite, visible photos of the winter storm on March 3rd (top), and with snowfall left behind on March 4th (bottom). Both photos were taken at 2100 GMT (1500 CST). ---Photos from NESDIS.

2. TORNADO at VENICE, FLORIDA on March 17, 1985

An F3 tornado, one of three tornadoes to strike southern Florida during the early morning of March 17th, touched down at 0430EST and carved a 3 mile-long damage path through the southern part of Venice. It destroyed 55 homes and damaged 220 others. Two elderly people were killed, a woman in a camper and a man on his porch, and 45 people were injured. Weaker tornadoes struck in Ft. Ogden and near Okeechobee.

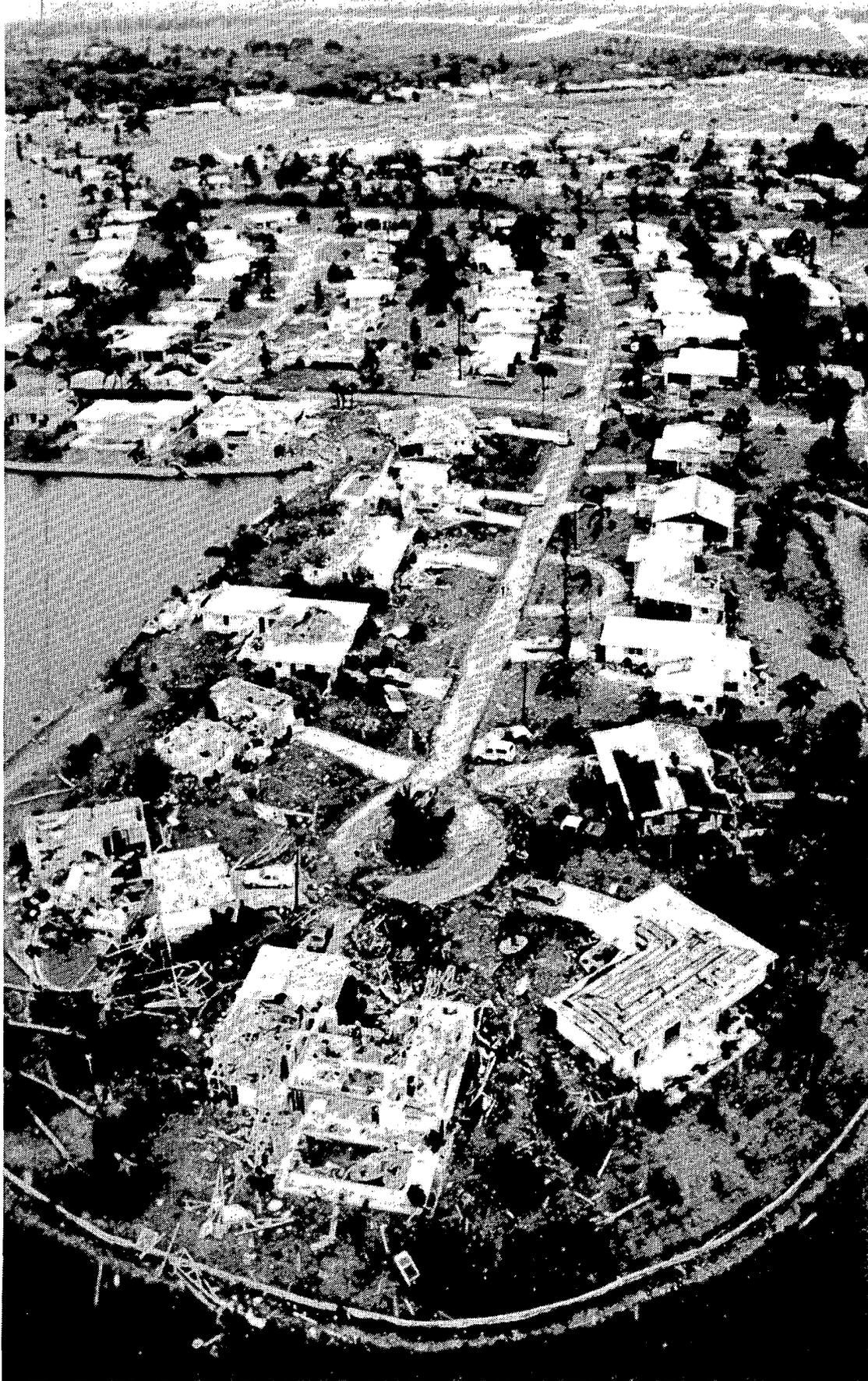


GOES 6 satellite, enhanced (MB curve) infrared images of the tornado-producing thunderstorm on March 17th at one hour prior to the Venice Tornado (left) and at the time it began (right). Note that the cloud top temperature warmed (cold, black area disappears) during the hour preceding the tornado. ---Satellite and additional photos supplied by the NWSFO, Miami, Florida.



A woman stands in awe of the tornado's destructive force as demonstrated by a camper/van that had been thrown into a palm tree. ---Photo by Al Dias, The Miami Herald.

TORNADO at VENICE, FLORIDA ---- continued



Damage to homes on Hammock Terrace in Venice Gardens (view looking east). The Venice Airport appears in the top of the photo. ---Photo by Barry McCarthy, The Sarasota Herald-Tribune.

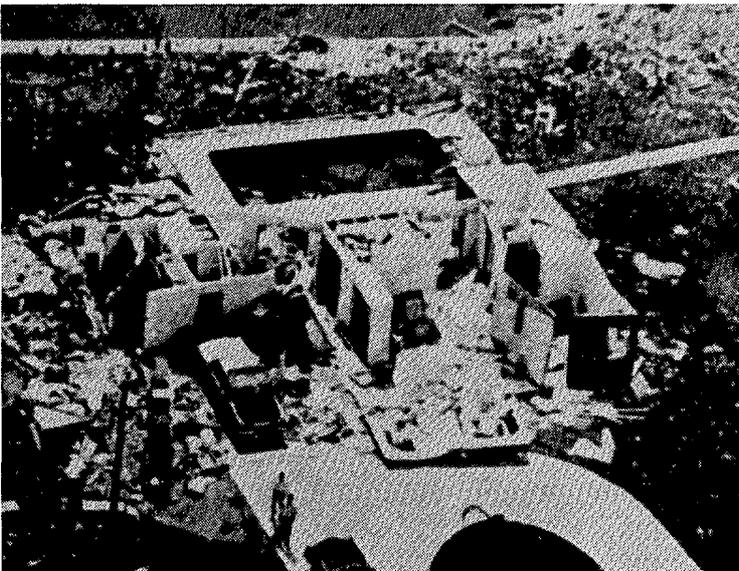
TORNADO at VENICE, FLORIDA ---- continued



Unroofed Venice homes. ---Photo by Barry McCarthy, The Sarasota Herald-Tribune.



Firemen tend an overturned car (top) and tornado victims salvage their belongings (bottom). ---Both photos by Tom Bender, Sarasota Herald-Tribune.



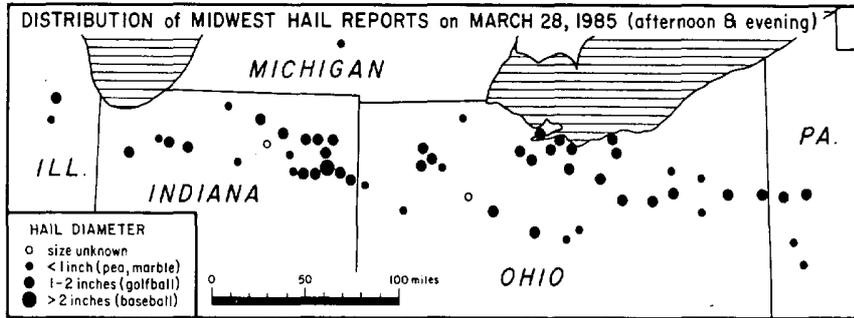
A home in Venice Gardens that sustained F3 damage. ---Photo by Jack Elka, The Islander, Ana Maria, Florida.

RIGHT: An overturned auto and, in the background, the wreckage of a recreation vehicle in which a woman was killed and a man was critically injured. ---Photo by Barry McCarthy, The Sarasota Herald-Tribune.

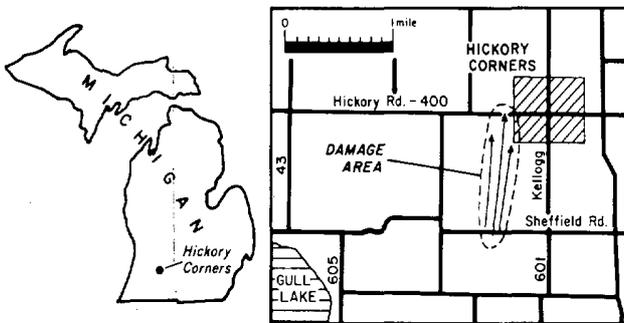


3. HAIL STORMS in the MIDWEST on March 28, 1985

On the afternoon and evening of March 28th, intense thunderstorms dropped large, damaging hail in a west to east band across mainly northern portions of Indiana and Ohio. 57 reports of mostly golfball-sized hail were received from the five state area shown below. The largest, baseball-sized, fell near Hunteertown, Indiana.



4. THUNDERSTORM WIND at HICKORY CORNERS, MICHIGAN on March 28, 1985



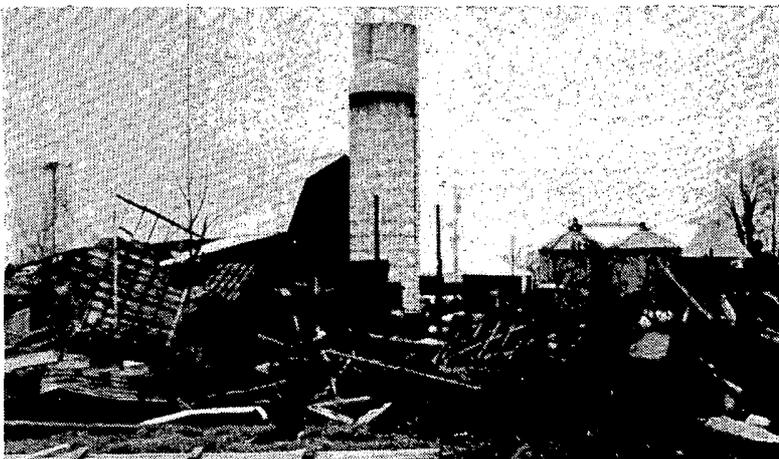
Strong thunderstorm winds, most likely a microburst, struck the Hickory Corners area of Michigan at 0340EST on March 28th, producing a south to north damage path, 1 mile long and 1/4 mile wide. The non-tornadoic winds destroyed and damaged structures at two farmsteads, and damaged a few nearby homes as well. ---Map and photos supplied by Jack Cooley, NWSO, Grand Rapids, Michigan.



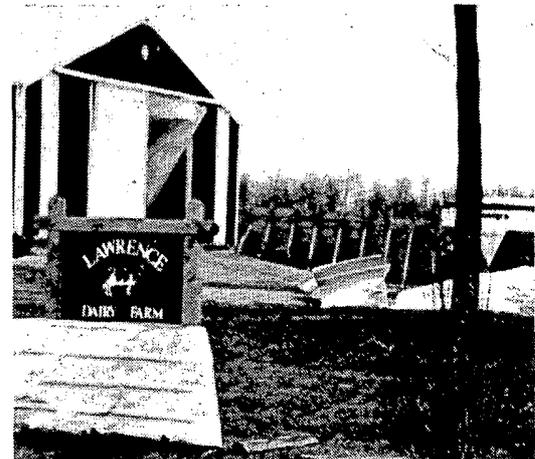
Southwest view of a home on Sheffield Road that had siding damaged and its 56 foot high, TV antenna toppled.



A pole barn next to the house at left that had almost all of its roof and much of its sheet metal siding blown off (looking NE).

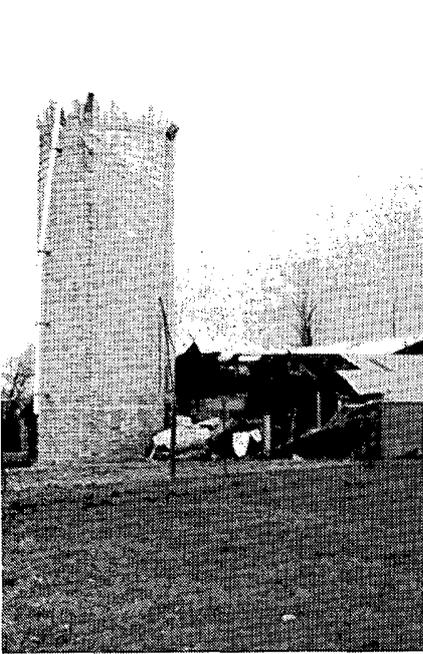


The collapsed remains of two adjacent pole barns at the Lawrence farm on Sheffield Road.

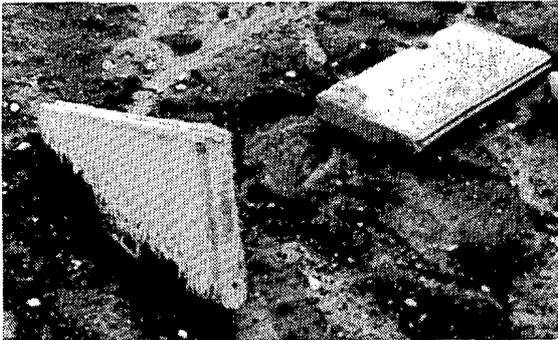


Blown-in door on a barn and strewn sheet metal at the farm at left.

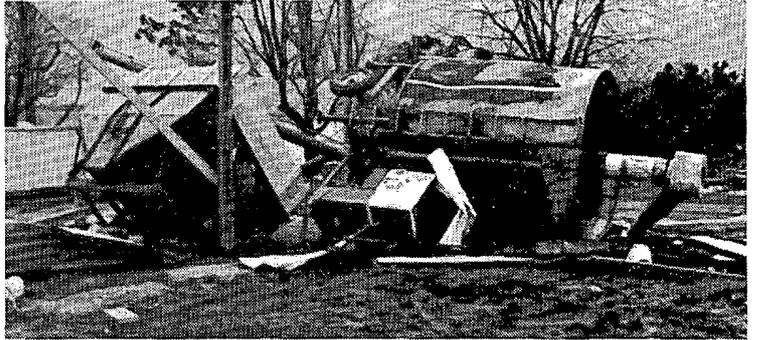
THUNDERSTORM WIND at HICKORY CORNERS, MICHIGAN ---- continued



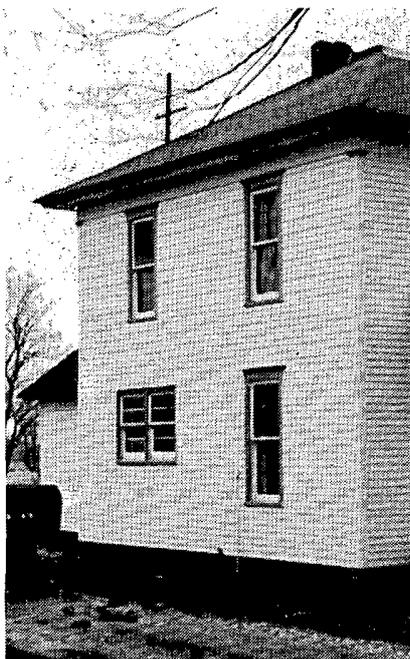
Debris from a silo having had its top ripped off by the winds at the Lawrence farm (left) fell onto and crushed a portion of an adjoining barn (right).



Concrete slabs from which the silo above was made.



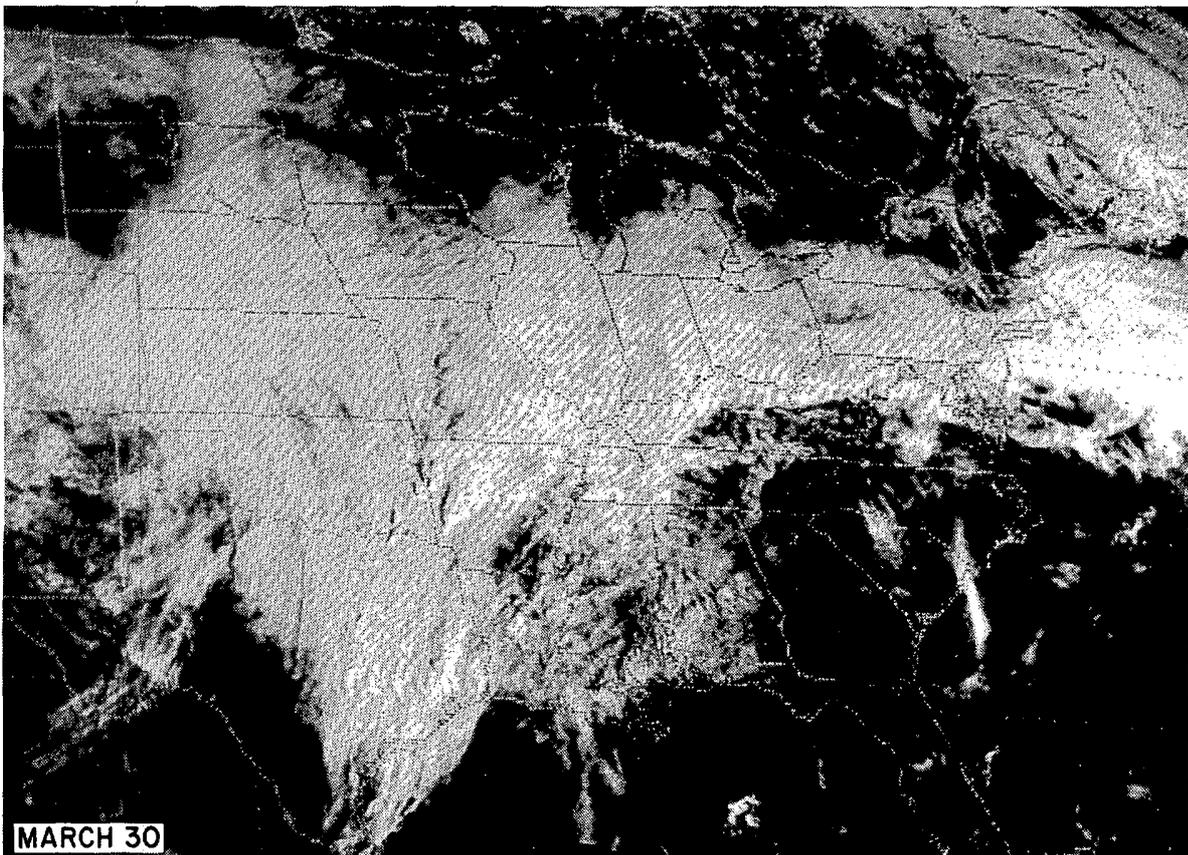
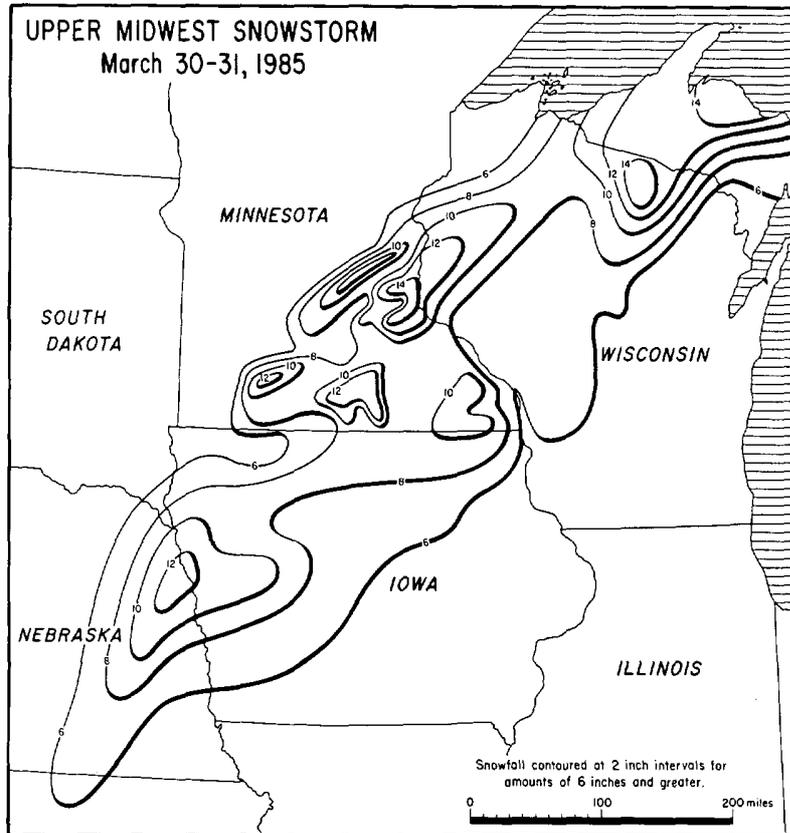
Toppled farm machinery, also at the Lawrence farm.



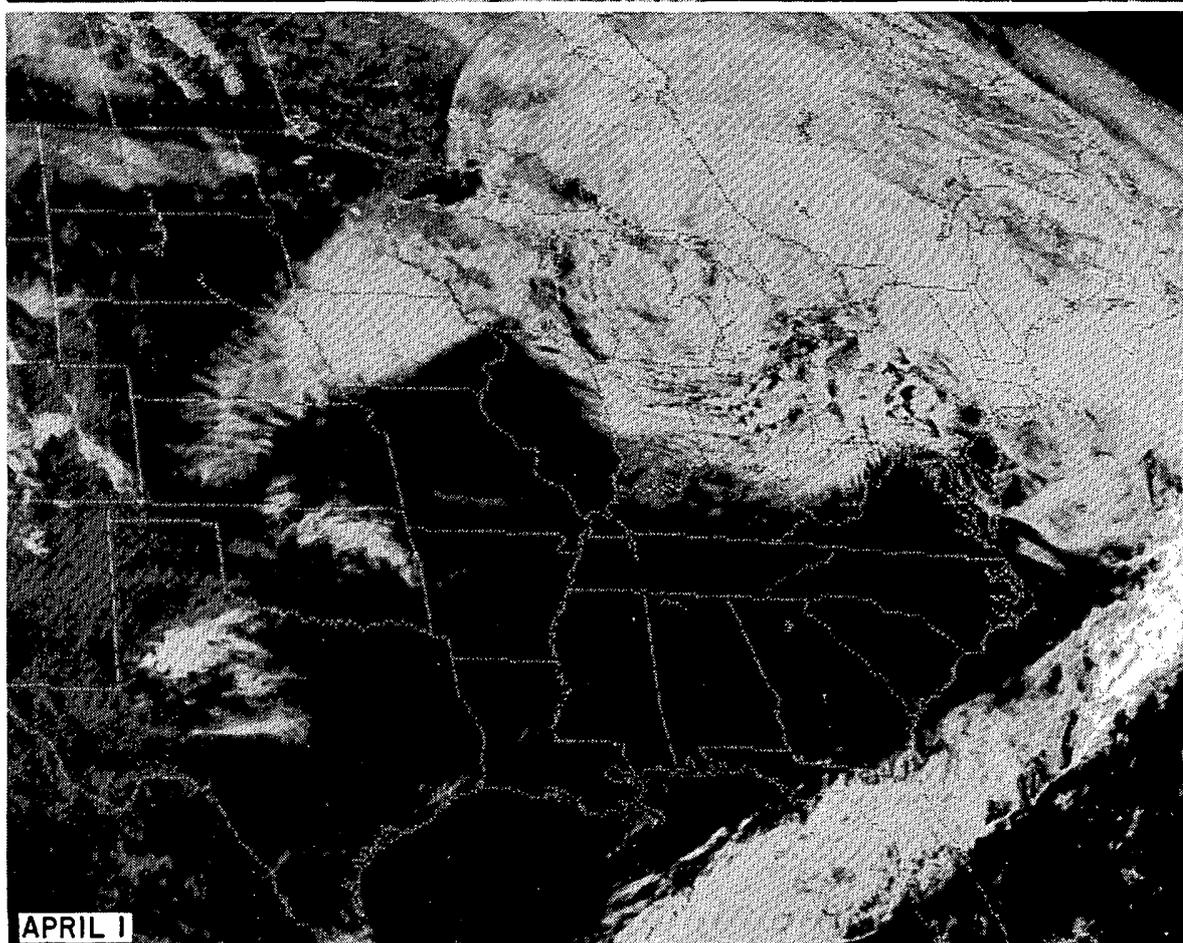
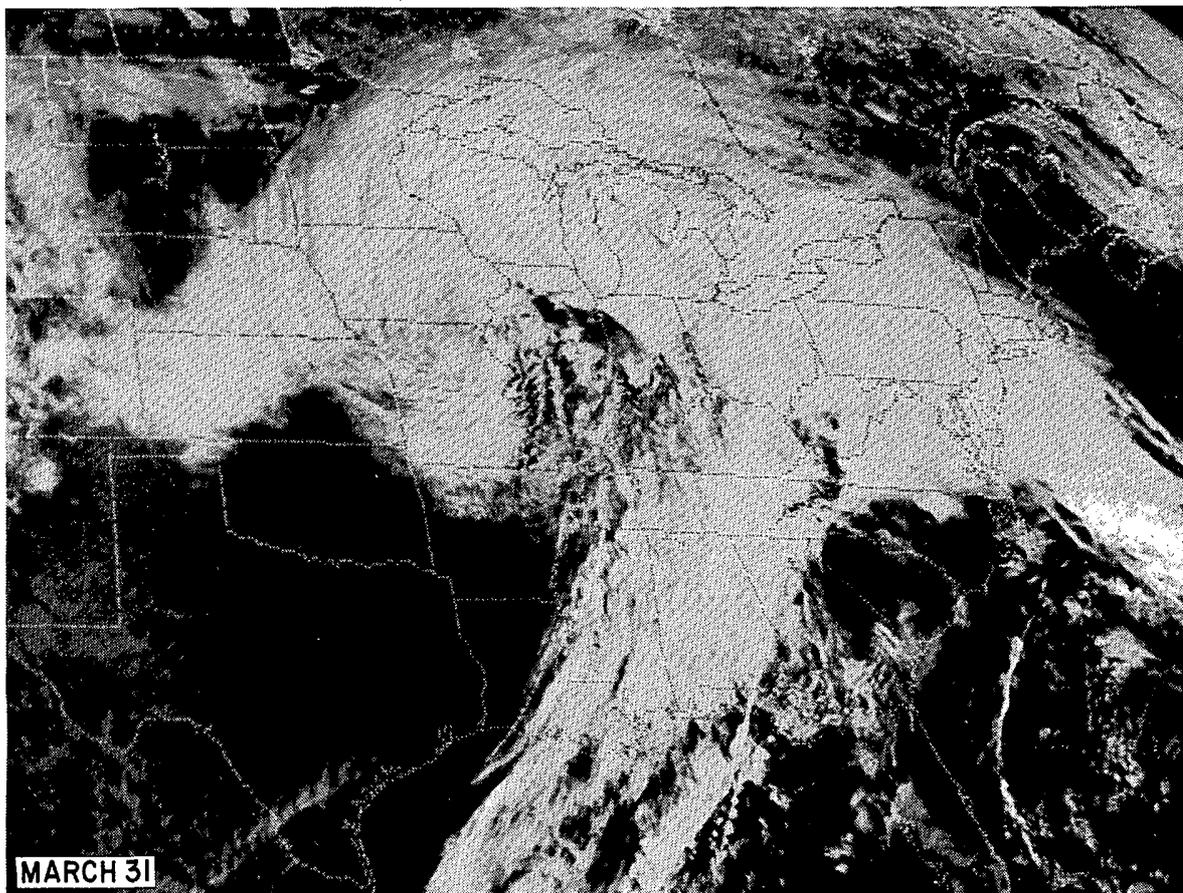
LEFT: Bricks blown from the chimney of a house on Hickory Road clutter the driveway.
RIGHT: Uprooted pine trees, also along Hickory Road.

5. SNOWSTORM in the UPPER MIDWEST on March 30-31, 1985

A late-season snowstorm left a band of wet, heavy snow from eastern Nebraska to the Upper Peninsula of Michigan on March 30th and 31st. Some of the heaviest snowfall, up to 16 inches, was reported in the urban area of Minneapolis-St. Paul, MN. ---Data supplied by NWSFOs at Des Moines, IA; Omaha, NE and Milwaukee, WI; and the Minnesota State Climatology Office, St. Paul.



SNOWSTORM in the UPPER MIDWEST ---- continued



On this and the previous page, three GOES 6 satellite, visible images show the storm's configuration and trailing snowband at 0930CST (1530GMT) on each of the indicated dates. ---Photos from NESDIS.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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	
1 ALABAMA									
Mobile area, Mobile County	21	0020CST			0	0	?	?	Wind
Winds associated with a low pressure system moving eastward along the Gulf Coast downed some trees and power lines in the northwest part of the Mobile area.									
Covington County	21	1430CST			0	0	2	0	Wind
Thunderstorm winds caused power outages in northeast Covington County between Gantt and Searight when a tree was blown across power lines and in southwest Covington County near Wing when large tree limbs were blown across power lines. The storms also produced 1/4 to 1/2 inch hail in Andalusia.									
Coffee County	21	1615-1620CST							Funnel Clouds
Several funnel clouds reported between New Brockton and Enterprise.									
7N Enterprise, Coffee County	21	1615CST			0	0	?	?	Hail/Wind
Hail to golf ball size covered the ground. Hail occurred for 5 to 6 minutes. Winds were also reported bending trees to near the ground during the storm.									
Highland Home, Crenshaw County	21	1725CST			0	0	?	?	Hail
National Weather Service cooperative observer reported hail 1 inch in diameter at Highland Home.									
Livingston-Epes, Sumter County	21	1725-1735CST			0	0	?	?	Hail
A severe thunderstorm produced dime size hail and power outages in the Livingston area. As the storm continued to move northeast, hail to golf ball size was reported near Epes in northeast Sumter County. The hail covered parts of I-59 and U.S. 11 and brought traffic to a halt. This same storm produced extensive pea to marble size hail from near Bolligee to Eutaw as it continued to move northeast over Greene County.									
10E Abbeville, Henry County	21	1745CST			0	0	?	?	Hail
Pea to dime size hail covered the ground.									
Akron, Hale County	21	1815CST			0	0	4	0	Lightning
A lightning strike from an intense thunderstorm ignited a fire that destroyed a house.									
River Bend, NE Bibb County	21	2030CST			0	0	3	0	Thunderstorm/
Thunderstorm winds overturned one mobile home. Wind damaged another and destroyed one small outbuilding.									
Oakville, Lawrence County	24	0610-0620CST			0	0	?	?	Hail
Hail 3/4 inch in diameter was reported. Other reports of hail from 1/4 to 3/4 inch in diameter were received from the area. Some hail was still on the ground at 0800CST. One automobile was reported to have slid into a ditch because of the hail that covered part of Alabama Highway 33.									
2 ARIZONA									
Pinal County	15	0945MST	short narrow		0	0	0	0	Tornado (F0)
A tornado was reported by the public to have touched the ground for about 10 minutes to the west of Coolidge.									
Pinal County	15	0945MST	short narrow		0	0	0	0	Tornado (F0)
A second tornado was also reported by the public to have touched the ground for about 10 minutes to the west of Coolidge.									
Coolidge, Pinal County	15	1005MST	0.1	30	0	0	0	0	Tornado (F1)
A small tornado touched down in the center of the city, ripped the roof off of a tavern and spread debris over a one-block area. It was accompanied by heavy rain and hail. It moved north for about eight miles in thirty minutes as a funnel cloud.									
3 ARKANSAS									
Sebastian County	03	2310 CST			0	0	4	-	Wind
Thunderstorm gusts unroofed a storage building and knocked down one of its walls in Fort Smith.									
Pope County	04	0230 CST			0	0	3	-	Wind
Thunderstorm gusts damaged the roofing on a commercial building and blew down a storage shed in Coal Hill.									
Hempstead County	04	0345 CST			0	0	4	-	Wind
Strong gusts from a thunderstorm blew down signs, awnings, power lines, traffic lights, and store-front windows in Hope.									
4 CALIFORNIA, Northern									
Pt. Arena, Mendocino County	2	0021PST			6	0	6	0	Windstorm
The Willamette Pilot III, a sea-going tug, sank in stormy seas off Pt. Arena. Waves up to 30 feet and winds up to 50 knots were reported.									
Northern and Central California Mountains	3-4				0	0	0	0	Snowstorm
An arctic cold front spread 6-12 inches of snow into the northern mountains and 8-18 inches into the Sierra Nevada.									
Northern and Central California Mountains	5-6				0	0	0	0	Snowstorm
Cold air aloft continued heavy snows over the mountains, with two to three feet between elevations of 5000 to 6000 feet in the Sierra Nevada and 6-30 inches in the northern mountains.									
Hollister, San Benito County	11	1400PST	1/2	20	0	0	3	0	Tornado (F2)
Minor damage to several commercial buildings in an agricultural area was reported. The tornado was sighted by a NWS meteorologist and also from an aircraft.									
Northern and Central California Mountains	26-27				0	0	0	0	Snowstorm
A late season snowstorm dropped from one to three feet of snow in the mountains of California, closing schools and highways in many areas. 4-12 inches of snow fell in the town of Redding in the northern end of the Sacramento Valley. High winds of up to 90mph were reported along the east slopes of the Sierra Nevada near Crowley, and U.S. 395 was closed due to blowing sand and snow.									
4 CALIFORNIA, Southern									
Inyo County	26	?			0	0	0	0	High Winds
Winds gusted to 58mph at the Bishop Airport.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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	
5 COLORADO									
Mountains, East	3-4				0	0	0	0	Snow
6 to 12 inches of snow fell at most spots in the mountains. Amounts were light at lower elevations except for 6 to 8 inches in the Boulder area. In southeast Colorado, blowing dust closed U.S. highway 287 for a time. Slick roads caused the closure of Interstate 25 both north and south of Denver due to traffic accidents, and the snow caused long delays at Stapleton Airport.									
Mountains, East	11-13				0	0	0	0	Snow
Heavy snow fell in most mountain areas. Over the three days, 1 to 2 feet fell at many spots, but Wolf Creek Pass was buried under 39 inches. Only an inch of snow fell at Denver, but strong winds caused brief blizzard conditions, and Interstate 70 was closed for an hour from Aurora to Limon on the evening of the 12th.									
Mountains	18-19				0	0	0	0	Snow
16 inches of snow fell in 24 hours at Echo Lake, near Mount Evans in Clear Creek County.									
Moffat County	21	1730MST			0	0	0	0	High Wind
A thunderstorm produced a 63 mph wind gust at Craig.									
Northeast Colorado	22	morning			0	0	3	0	High Wind
Strong winds caused a few power outages near Fort Collins. Peak gusts included 75 mph at Buckhorn Mountain, in the foothills west of Fort Collins; 69 mph three miles southwest of Loveland, and 58 mph in Fort Collins. All these gusts occurred from 0430 to 0630. Farther east, a 65 mph gust was clocked at 0900 in Merino, in Logan County. All times are MST.									
Eastern Foothills	26	1000-1700MST			0	0	5	0	High Wind
Strong winds were widespread along the Front Range, and caused a variety of problems. From north to south; a peak gust of 60 mph was noted in Fort Collins at 1411. At about the same time, a large crane was blown over at a construction site in the city, crushing a pickup. At 1430, a gust of 76 mph blew through Boulder. A dust storm caused a 35 car pileup on Interstate 25 east of Longmont. In Weld County, winds fanned several brush fires, one of which damaged some farm equipment and burned some hay.									
In Denver, winds gusted to 52 mph; windows were blown out of a few downtown buildings. A gust of 71 mph was recorded at the Colorado Springs airport at 1147, the highest wind speed noted there in eight years. Pueblo recorded a peak gust of 64 mph at 1541; the winds blew down power lines and tore aluminum sheeting off a building in downtown Pueblo.									
Eastern Foothills	27	all day			0	0	5	0	High Winds
The winds returned in force, especially around Colorado Springs. At the NORAD installation just west of the city, a gust of 102 mph was clocked around 0730. The wind blew out windows in 40 vehicles parked at NORAD, and blew a semi-trailer onto its side. In Colorado Springs, windows were broken and roofs damaged by the gusts. Power poles and trees were blown down. Glass doors at a local college were blown in.									
Another problem area was around Walsenburg. The winds blew over several high profile vehicles near the city, and caused damage to several buildings in town. A radio tower was toppled by gusts that reached 80 mph. The strong crosswinds forced the closure of Interstate 25 at many spots in Southeast Colorado. The shell of a prefabricated home being towed on the Interstate near the city was blown off its frame, coming to rest upside down in the median. Gusts of 61 mph were also measured at La Junta and Trinidad between 1400 and 1500. Later that evening, Fort Collins clocked 62 mph at 2148. All times are MST.									
Statewide	27-30				0	2	?	0	Heavy Snow
A slow moving snowstorm whitened most of the state and dumped large amounts of the white stuff in many places. In the mountains, most areas north of Aspen received 1 to 2 feet of snow during the four day period, with 2 to 3 feet from Aspen southward. At Wolf Creek Pass, a whopping 66 inches fell, closing the pass at times. There were over 50 avalanches in the southern and central mountains; one, on Red Mountain Pass, swept a car carrying two people off the road and 400 feet down an embankment. Fortunately, they escaped with only minor injuries. High winds forced many ski areas to close their higher terrain at times; one day, the Aspen and Monarch Pass ski areas closed down completely.									
A number of normally dry spots at lower elevations also received heavy snow. About two feet of snow fell in Salida, and amounts of 15 to 30 inches fell all along the upper Arkansas River from Buena Vista downstream to Canon City, bringing transportation and commerce almost to a standstill. In western Colorado, Montrose was buried by 19 inches in 24 hours, the heaviest one day snow on record. Schools and businesses were also closed there.									
Two feet of new snow also fell on the Palmer Divide in Eastern Colorado. Colorado Springs recorded 16 inches of snow at the airport on the east side of town, and up to 24 inches on the west side; snow fell continuously at the airport for 51 hours. In the eastern foothills, amounts of 1 to 2 feet were common. Other areas of the state received less snow. For									
COLORADO									
Chaffee County	29				0	0	5	0	Heavy Snow
The two feet of snow that fell in Salida caused most of the roof of a zinc processing plant to collapse. The snow also knocked out a few greenhouses.									
Northern Mountains	31				0	0	0	0	Snow, Wind
Heavy snow and high winds forced the closure of Loveland Pass for a time. 14 inches of snow fell at the Loveland Basin ski area.									
6 CONNECTICUT									
Statewide	04	Afternoon & Evening			0	0	0	0	Ice Storm
Light snow changed to light to moderate freezing rain and coated highways, tree limbs, and power lines with glaze. Power outages to up to 30,000 to 40,000 customers across the state were reported. Dozens of skidding accidents occurred during the afternoon and evening before temperatures rose above freezing during the late evening.									
7 DELAWARE ————— NONE REPORTED									
8 FLORIDA									
Largo, Pinellas Co.	15	1108EST	0.3	10	0	2	3	-	Tornado (F1)
A tornado, observed as a white funnel cloud that became blackened with dirt and debris when it touched down, picked up and tumbled an automobile about, injuring the two women inside the car.									
Venice, Sarasota Co.	17	0430EST	3.0	400	2	45	7	-	Tornado (F3)
A tornado which moved from 2 miles southwest of Venice to 3 miles southeast of Venice destroyed 55 CBS houses, and caused major damage to 120 houses and minor damage to 100 houses. A 65 year old woman was killed while inside a camper vehicle and a 66 year old man was killed while standing on his front porch. Forty-five people were injured.									
Ft. Oden, De Soto Co.	17	0530EST	0.5	10	0	0	3	-	Tornado (F0)
Three homes suffered minor roof damage and some windows were blown out. Some trees were downed and some power lines were blown down.									
Okeechobee, Okeechobee Co.	17	0949EST	5.0	10	0	0	5	-	Tornado (F1)
A tornado touched down about five times along its path from 2 miles southeast to 7 miles southeast of Okeechobee. Large trees were downed and uprooted, signs were damaged, several recreational vehicles were blown over, several aluminum sheds were flattened, a mobile home was severely damaged, and several homes under construction were damaged.									
Sunnyside, (16mi west of Panama City) Bay Co.	21	2230EST	0.5	10	0	1	5	-	Waterspout-Tornado (F1)
A waterspout moved ashore and damaged a six block area. Six mobile homes were destroyed, three buildings were damaged severely, and 14 homes suffered minor damage. One man was injured inside a mobile home.									
9 GEORGIA ————— NONE REPORTED									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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	

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	

10 IDAHO

Magic Valley, Upper Snake River Plains, Southeastern Highlands	2	All Day			0	0	4	0	Heavy Snow
Snow totals during the storm ranged from 5" to 9" in the valleys. Dusty winds created large snowdrifts and many roads were closed throughout the afternoon and nights.									
Southern Mountains	27	0500MST			0	0	4	0	Heavy Snow
Snow totals during the night included 18" in Sun Valley and 12" in Island Park.									
Magic Valley, Upper Snake River Plains	27	0000-1200 MST			0	0	3	0	High Winds
High winds to near 50mph at times plus areas of snow produced blowing and drifting snow. Many roads were closed for several hours.									

11 ILLINOIS

Statewide	1-31				4	0	8	?	Flooding
Melting snow and heavy rains which began in mid-February brought severe flooding to most rivers, a condition which persisted throughout March across much of Illinois. Northern Illinois rivers fell below flood stage before the end of the month, but heavy rains at the end of March kept rivers in southern Illinois in flood.									
The major event was the near-record flood on the Illinois River. From Havana to Meredosia the flood levels observed were the worst, and from LaSalle to Peoria the second worst, since the record flood of 1943. The flood crest was within 0.3 foot of the record at Peoria, within 0.2 foot of the records at Havana and Henry, and within 0.1 foot at the record at LaSalle. At month's end the river levels ranged from 0.9 to 4.8 feet above flood stage.									
Most other rivers in and bordering Illinois were in flood at some time during March. The Wabash River crested in early March 11.2 feet above flood stage at Mount Carmel. The Rock, Pecatonica, Des Plaines, Fox, Spoon, La Moine and Big Muddy Rivers and lower reaches of the Sangamon River, all peaked above flood stage in the first week of March.									
Fifty houses along the Illinois River were destroyed and 1,225 others were damaged. Additionally, flooding along other rivers in the state destroyed 14 houses and damaged 165 others. Four men were killed near Spring Lake on the 7th when their off-the-road vehicle overturned and fell into a flooded ditch.									
Northern Quarter of the State	3-4				1	0	5	0	Snow, Sleet, Rain, Wind, Flooding
Heavy rainfall (2 to 4 inches) mixed with snow and sleet and accompanied by winds of 40 to 60 mph resulted in widespread flooding and hundreds of downed trees and power lines. Metropolitan Chicago experienced much street flooding, and hundreds of houses in low-lying suburban residential areas were flooded. One man died in suburban Aurora when he tried to drive through a flooded viaduct. Eighty thousand residences were without power in the Chicago area on the 4th.									
McHenry area, McHenry County	5	1800-1900CST			0	0	5	0	Wind
Winds measured at 73 mph at the McHenry County courthouse downed trees and power lines, resulting in electric outages to 1000 people for up to 3 hours.									
Camden, Schuyler County	27	2320CST	3	40	0	0	3	0	Tornado (F1)
A small tornado cut a narrow, intermittent, 3-mile path. The tornado touched down at 2320 CST, 2 miles west of Camden Junction and 1/2 mile south of Camden, and moved east 3 miles before dissipating. It remained on the ground less than 5 minutes, leaving a trail of damaged or destroyed rural structures on 3 farms. Damage was estimated to be about \$100,000.									
Emden, Logan County	28	0044CST	4 1/2	800	0	0	6	?	Tornado (F2)
A tornado touched down one half mile south of Emden in northwest Logan County and moved 4 1/2 miles east before dissipating. Eight farm houses and numerous outbuildings were damaged or destroyed. Three automobiles, one of which was overturned, were also severely damaged. Several calves were also injured.									
Livingston County	28	0100-0600CST			0	0	5	?	Flooding
Heavy thunderstorm rains resulted in flash flooding at many locations in the county. The downtown section of Forrest was flooded after 5.5 inches of rain fell between 1am and 6am.									
Joliet area, Will County	28	1430CST			0	0	3	0	Severe Thunderstorm
A severe thunderstorm, accompanied by brief 60 mph winds, 3/4 inch hail, and intense lightning, resulted in power outages to 3000 households in the Joliet area and eastern Will County.									

12 INDIANA

Lemont, Cook County	28	1430CST			0	0	?	0	Severe Thunderstorm
One half to 1 inch hail occurred in the Lemont area; 30 to 40 mph winds also were reported.									
St. Joseph County	03	2100EST			0	0	4	0	Ice Storm, Wind
Snow, freezing rain and sleet left a 1/4 to 1/2 inch coating of ice on trees and power lines. Wind gusts up to 46mph at the South Bend WSO snapped tree limbs, causing the loss of electric power to an estimated 12,000 South Bend area homes and businesses and the subsequent closure of many schools.									
Evansville, Vanderburgh County	04	1130EST			2	5	4	0	High Wind
Strong gradient winds gusting to 37mph blew in part of a wall that was being worked on.									
3 E Franciscville, Pulaski County	28	0505EST			0	0	3	0	Hail
1/4 inch hail covered the ground.									
1 W Monon, White County	28	0515EST			-	-	2	0	Hail
Marble size hail was reported.									
Metee, Cass County	28	0545EST			-	-	2	0	Hail
Golfball size hail was reported.									
3 E Hanna, La Porte County	28	1502EST			0	0	3	0	Hail
1 inch diameter hail covered the ground at US 30 and SR 39.									
Ligonier, Noble County	28	1505EST			-	0	0	3	Hail
1 inch diameter hail damaged several cars on US 6 in Noble County near Ligonier.									
Syracuse, Kosciusko County	28	1506EST			0	0	0	0	Hail
Hebron, Porter County	28	1534EST			0	0	3	0	Hail
1 inch diameter hail was received.									
Kendallville, Noble County	28	1541EST			0	0	3	0	Hail
Golfball size hail damaged several cars just west of Kendallville.									
Hamlet, Starke County	28	1545EST			0	0	3	0	Hail
1 inch diameter hail was received.									
Kendallville, Noble County	28	1550EST			0	0	4	0	Hail
Golfball size hail damaged autos and house siding in Kendallville.									
Southeast Noble County	28	1550EST			0	0	3	0	Wind
Strong thunderstorm winds blew down a barn and several trees in southeastern Noble County.									
Wanata, La Porte County	28	1558EST			0	0	0	0	Hail
3/4 inch size hail was received in the area.									
3 S Lapaz, Marshall County	28	1603EST			0	0	4	0	Wind
A semi-trailer truck was blown off the road on US 31 just south of SR 6.									
Waterloo, DeKalb County	28	1604EST			0	0	3	0	Hail
Golfball size hail was reported at the intersection of I-69 and US 6 just west of Waterloo. Several autos sustained hail damage.									
2 E Plymouth, Marshall County	28	1620EST			0	0	0	0	Funnel Cloud
Piercetown, Kosciusko County	28	1715EST			0	0	0	0	Funnel Cloud
Wolf Lake, Noble County	28	1716EST			0	0	0	0	Hail
3/4 inch hail was reported at Wolf Lake.									
Etna Green, Kosciusko County	28	1728EST			0	0	0	0	Hail
3/4 inch size hail was received.									
Garrett, DeKalb County	28	1738EST			0	0	3	0	Hail
Golfball size hail was reported at Garrett, with several autos hail damaged.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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	
INDIANA									
Blue Lake, Whitley County	28	1743EST			0	0	0	0	Hail
		3/4 inch hail was reported at Blue Lake.							
Huntertown, Allen County	28	1749EST			0	0	3	0	Hail
		1 inch diameter hail was reported 3 miles west of Huntertown, with several autos sustaining hail damage.							
Huntertown, Allen County	28	1756EST			0	0	3	0	Hail
		Golfball size hail was reported in Huntertown, with house siding and several autos having been damaged.							
Huntertown, Allen County	28	1802EST			0	0	2	0	Hail
		Baseball size hail was reported just northeast of Huntertown.							
Cedarville, Allen County	28	1802EST			0	0	0	0	Hail
		Golfball size hail was reported just north of Cedarville.							
Fort Wayne, Allen County	28	1804EST	0.2	10	0	0	3	0	Tornado (F1)
		A brief tornado touchdown occurred at the edge of Edgewood Estates Mobile Home Park just northwest of Fort Wayne. Two trailers sustained major damage, with no injuries having been reported. Several other trailers received minor damage.							
Fort Wayne, Allen County	28	1809EST	0.5	50	0	7	5	0	Downburst Wind
		Damaging, downburst thunderstorm winds totally destroyed 5 mobile homes and produced major damage to 23 mobile homes at the Country-side Village Mobile Home Park on the northwest side of Fort Wayne. Seven injuries were sustained during the downburst, all of a minor nature.							
Woodburn, Allen County	28	1821EST			0	0	3	0	Hail, Wind
		Winds took the roof off of a barn and 1 inch diameter hail was reported just north of Woodburn.							
Elkhart, Elkhart County	28	1827EST			0	0	0	0	Funnel Cloud
Mishawaka, St. Joseph County	28	1900EST			-	-	-	-	Hail
		3/4 inch size hail was received.							
Warsaw, Kosciusko County	28	1920EST			0	0	0	0	Funnel Cloud
		A funnel cloud was reported almost reaching the ground just west of Little Chapman Lake, north of Warsaw.							
Marshall County	28	2018EST			0	0	0	0	Flooding
		Water was reported as 3 feet deep on the roadway at SR 6 and the Marshall County Line.							
Marshall County	28	2030EST			0	0	0	0	Flooding
		3.05 inches of rain fell between 0600-1830EST at Lake of the Woods, just west of Bremen, and resulted in flooding.							
Goshen, Elkhart County	28	2041EST			0	0	0	0	Hail
		1 1/4 inch diameter hail was reported at Goshen Airport.							
13 IOWA									
Northern Iowa	03	Day- 04 Afternoon			0	0	6	0	Ice and Snow Storm
		A powerful winter storm brushed Iowa and wrought havoc across much of the northern three tiers of counties. Although the snows of more than 2 feet fell to the north of Iowa, greater damage occurred in the Hawkeye State. Snow, sleet and freezing rain combined to make roads impassable, streets too slick to walk on and power lines coated by a heavy layer of ice. Strong winds that followed the precipitation caused the ice-coated power lines and poles to snap, producing power outages to numerous communities; a few isolated areas lacked electricity from Sunday to Saturday. The losses to the rural electric cooperatives amounted to more than \$500,000. The biggest single loss was a television receiving tower near Postoria, which was worth between \$50,000 and \$100,000.							
West Central Iowa	26	2130 CST- 2330 CST			0	0	5	0	Thunderstorm Winds
		Strong thunderstorms brought high winds that produced damage in several counties: Carroll, Guthrie, Greene and Boone. The worst damage was near Jefferson. At one farm a cattle confinement building was destroyed, with several cattle killed and injured. At several other farmsteads there was damage to outbuildings, barns, sheds, cribs and garages, and several vehicles were damaged as well. There were spotty power outages, most of which did not last long. A few homes in Jefferson sustained damage as well.							
IOWA									
Southeast Iowa	27	Evening			0	0	4	0	Thunderstorms with Hail
		Strong winds and large hail were found in thunderstorms that tracked through the southern tier of Iowa Counties. Hail knocked out a window at the Sheriff's Office at Corydon in Wayne County [2000CST]. Golfball size hail fell at Iconium [2030 CST] and 3/4" hail occurred on the Monroe-Wapello county line [2059 CST]. Trees were felled by wind, causing some damage and power outages in Burlington [approximately 2300 CST].							
Northern and Western Iowa	30-	Afternoon 31 Morning			0	0	4	0	Snowstorm
		Heavy snow in a late "winter" storm brought several inches of a wet snow to Iowa. The heaviest accumulation (about 19") occurred in West Central Iowa and more than six inches fell from Hawarden to Glenwood, northeast to Estherville and Waukon. Travel became treacherous.							
14 KANSAS									
Parsons, Labette County	03	2145CST	Short Narrow		0	0	3	0	Tornado (F0)
		A small tornado touched down briefly and destroyed a small barn a mile south of Parsons.							
Parsons, Labette County	03	2150CST			0	0	3	0	Wind
		Thunderstorm winds blew the steeple off a church on the west edge of Parsons.							
McCune, Crawford County	03	2200CST			0	0	3	0	Wind
		Thunderstorm winds estimated at 60 to 70 mph destroyed a tool shed and caused minor roof and tree damage at McCune.							
McCune, Crawford County	12	2020CST			0	0	4	0	Lightning
		Lightning struck storage tanks that contained 8,400 gallons of oil near McCune. The tanks caught fire and exploded.							
Northwest Kansas	26	1500- 2000CST			0	0	5	0	Wind
		Strong gradient winds caused scattered, generally minor property damage across northwest Kansas. Winds of 40 to 50 mph were common. A peak wind gust of 61 mph was recorded at Goodland at 1727CST.							
Osborne, Smith and Jewell Counties	26	1515- 1645CST			0	0	3	0	Wind, Hail
		A severe thunderstorm developed over west central Osborne County and moved northeast across Smith and Jewell Counties. Hailstones 3/4 inch in diameter fell at Alton at 1530CST and golfball size fell there at 1542CST. A thunderstorm wind gust was measured at 61 mph at Osborne at 1600CST, inch diameter hail fell southeast of Smith Center at 1610CST and 3/4 inch hail dropped to the ground on the south edge of Mankato at 1628CST.							
Zurich, Rooks County	26	1520CST			0	0	4	0	Hail
		Golfball size hail fell for about 15 minutes and damaged roofs and vehicles at Zurich.							
Logan, Phillips County	26	1900CST			0	0	4	0	Tornado (F0)
		A small tornado touched down briefly and destroyed a shed at Logan.							
Northeast Kansas	26	2100- 2230CST			0	0	5	0	Wind
		Wind gusts of 60 to 70 mph damaged several outbuildings in northeast Kansas. Barns were blown away southwest of St. Marys and 4 miles north of Holton. The roof was ripped away from a 75 foot long hay barn south of Atchison. Utility poles were knocked down near Lancaster and Cummings in Atchison County. A wind gust of 62 mph was measured at Topeka's Billard Airport at 2143CST.							
15 KENTUCKY									
Graves County	04	0730CST			0	0	4	0	High Winds
		Winds gusting to 50 MPH tore off 1,850 square feet of roofing of the Wingo High School building, causing some water damage to school equipment, the ceiling, and floor.							
Simpson County	04	mrng			0	0	3	0	High Winds
		51 MPH winds knocked out power to 1800 residents when trees fell across power lines throughout Simpson County.							
Grayson County	04	mrng			0	0	3	0	High Winds
		50 MPH winds ripped a 50 by 200 foot area of roofing off of the west end of the Grayson County Middle School. Water damage was sustained to its interior.							

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MARCH 1985

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
KENTUCKY											
Kenton County	04	1000-1030 EST			0	0	3	0			High Winds
											Winds to 55 MPH blew a roof off of a motel in the Covington area.
Warren County	04	1120CST			0	0	2	0			High Winds
											The College Height weather station in Bowling Green reported winds to 55 MPH. Power interruptions were widespread throughout Warren County.
Barren County	04	1130CST			0	0	3	0			High Winds
											A mobile home was reported destroyed by 50 MPH winds in Glasgow. A roof was blown off of a home in Cave City.
Oldham and Bullitt Counties	04	mrng			0	0	2	0			High Winds
											Falling trees and limbs knocked down power lines and poles throughout Oldham and Bullitt Counties, resulting in widespread power outages. Wind speeds were recorded at 50 MPH.
Heade County	04	mrng			0	0	3	0			High Winds
											Utility lines were downed and power poles snapped under the stress of 50 MPH winds in Brandenburg. Wind lifted a metal barn off of a combine and other equipment at a farm in Fleherty. The building ended up in a nearby field.
Nelson County	04	mrng			0	0	2	0			High Winds
											Several residents were without power and telephone service when 50 MPH winds caused trees and tree limbs to fall on electrical lines throughout Nelson County.
Fayette County	04	aftn			0	0	3	0			High Winds
											Winds to 50 MPH were reported in the Lexington vicinity, resulting in roof and siding damage to homes.
Adair County	04	aftn			0	0	3	0			High Winds
											A roof was blown off of a building in Columbia as winds gusted to 50 MPH.
Boyle, Lincoln, and Mercer Counties	04	1530EST			0	0	4	0			High Winds
											Power outages were spread through the Kentucky counties of Boyle, Lincoln, and Mercer when 60 mile per hour winds downed trees and telephone and power lines. A roof was blown off the Cherokee Manufacturing Corporation building in Stanford (Lincoln County).
Nicholas County	04	1800EST			0	0	3	0			High Winds
											60 MPH winds did considerable damage to a greenhouse in Carlisle and to various aluminum storage houses in the city. A utility pole transformer was leveled on the upper Jackstown road. Traffic lights were blown from their support wires. Reports of roof shingles blown from barns and homes were numerous.
Boone County	04	1830EST			0	1	2	0			High Winds
											An Elsmere man, while holding on to his aluminum patio awning, was lifted off of his feet 30 to 35 feet in the air and flung onto the rooftop of his house when 58 MPH winds hit. The man was treated at a local hospital for bruises.
Breathitt County	24	1915-1930 EST			0	0	1	0			Heavy Thunderstorms
											Heavy thunderstorms dropped pea size hail and produced 40 MPH winds in Jackson. Hail fell for 10 minutes and covered the ground in parts of town.
Union County	29	1945-2000 CST	3	?	0	0	4	0			Tornado (FO) blocks
											Two tornadoes touched down in and around Morganfield, Kentucky in Union County between 7:45 and 8:00 p.m. CST.
											The first tornado reportedly cut a swath between Kentucky Highways 130 and 56 and then headed down U.S. 60. All kinds of power lines were downed within that path.
KENTUCKY											
Union County	29	1945-2000 CST	3	150	0	0	4	0			Tornado (FO)
											A roof was blown off of the Key Market on U.S. 60. Windows were blown out of another supermarket. A mobile home was pulled off of its foundation. A local garden center was totally destroyed. The garden center was located directly across U.S. 60 from the Key Market. The ice plant in Morganfield was damaged, resulting in an ammonia leak. A number of homes were damaged, causing many residents to find other accommodations for the night.
Fulton and Hickman Counties	31	aftn			0	0	2	0			Heavy Thunderstorms
											Homes and businesses throughout Morganfield suffered severe roof and window damage. Several small buildings were ripped off of their foundations, and the Northside Baptist Church lost its steeple. Damage costs totaled in the thousands of dollars.
											Some trees were downed throughout Hickman and Fulton Counties when heavy thunderstorms moved through that area. Some lowland flooding and road flooding was also reported.
16 LOUISIANA											
Ruston, Lincoln Parish; Denham Springs, Livingston Parish	04	Morning			0	1	?	?			High Wind
											High winds uprooted a giant oak tree in Ruston around 0200CST. The tree crashed through the roof and ceiling of an apartment building, causing minor injury to a tenant. High winds snapped off the base of a large tree in Denham Springs later that morning. The tree fell and did heavy damage to some parked trucks.
Statewide	20	All Day			0	0	?	?			Heavy Rain
											Numerous heavy thunderstorms dumped between 2 and 3 1/2 inches of rain across the state. Rainfall was heaviest in Jennings in the southwest part of the state. Some street flooding was reported; in addition, several homes had ankle deep water. Around 3 inches of rain fell in central and south Lafourche Parish. This caused some street flooding; however, no homes were flooded. 2 1/2 inches fell in the New Orleans metropolitan area between 1800-2000CST. This caused some moderate street flooding. Several cars stalled while trying to drive through flooded streets in suburban Slidell.
Franklin, Tensas and Madison Parishes	23	1445CST			0	0	?	?			Hail
											A couple of severe thunderstorms moved rapidly through north-east Louisiana between 1445-1550CST. They produced 3/4 to 1 inch hail 12 miles south of Winnsboro (Franklin Parish) and near Newellton (Tensas Parish) and Afton (Madison Parish).
Calcasieu Parish	28	Morning			0	0	?	?			Lightning
											A power surge caused by lightning burned out numerous microchips and knocked out telephone service for most of the day in DeQuincy.
Northern Louisiana	30	1430CST			0	0	?	?			Hail
											A line of severe thunderstorms moved across the northern parishes between 1430-2020CST. 3/4 to 1 inch hail was reported southeast of Springhill, Coushatta, Matchitoches, Chatam, Jonesboro, Monroe, Clark and Bonita. A few trees were blown down northeast of Coushatta and southeast of Jonesboro.

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MARCH 1985

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					KILLED	INJURED	PROPERTY	CROPS				
17 MAINE												
Statewide	04-05	Late AMEST			0	0	5	0		Heavy Snow		
<p>Two low pressure areas, the primary which moved from the Great Lakes through southern Quebec Province, Canada, while a secondary formed offshore and moved through the Gulf of Maine, dumped 7 to 14 inches of snow uniformly across the state. Most schools were closed statewide Tuesday. There were fewer fender benders reported than usual. This was the biggest snowfall for the 1984/85 season.</p>												
Ellsworth, Hancock County, Calais, Washington County	12	1200EST			0	0	5	0		High Winds and Rain		
<p>A fast moving and intensifying low pressure system raced eastward from the Great Lakes through central Maine. Its occluded front also swept through southern Maine with the south-easterly wind ahead of the front becoming stronger as the front moved east. The southeastermost counties were hardest hit by the nonconvective winds. The Coast Guard Stations at Southwest Harbor and Seguin Island reported 29 mph sustained winds with gusts to 46 mph, and sustained winds of 39 mph respectively. The Coast Guard automated stations at Mt. Desert and Matinicus Rocks reported peak gusts of 58 mph (50 Kts) and 62 mph (54 Kts) respectively during a 4 hour period ahead of the front. The Calais Police reported gusts of 60 mph which felled trees and limbs, causing scattered power outages. Meanwhile, the Ellsworth Baptist Temple School reported approximately 2,000 square feet of shingles torn off by the wind. In turn, a 2,000 square foot portion of the rubber roof membrane was lifted from the building. The wind-driven rain then damaged ceilings and insulation, and filled overhead light fixtures and soaked carpets with water. Some roads in Franklin and Ellsworth damaged earlier from frost heaves breaking the asphalt, received severe erosion damage from undermining by the heavy rains. Nearly 2 inches was reported in some areas with some cellar and urban street flooding reported throughout the two counties. A report of damage to a church near Eastport was not confirmed.</p>												
18 MARYLAND and D.C.												
Statewide	12	1000-2300 EST			0	0	4	0		High Winds		
<p>A cold front swept through the mid Atlantic states early Tuesday and triggered a period of high winds that persisted until late at night. The wind typically averaged 30 to 40 mph but gusted to near 60 mph. BWI airport reported a peak gust of 58 mph at 10:16 AM. A cooperative observer in Mount Airy registered 80 mph at 7:29 PM. The strong winds ripped down tree limbs and utility lines, blew down traffic signs, and damaged roofs, sheds and chimneys. Winds gusting to an estimated 70 mph sent construction workers scampering from downtown skyscrapers in Baltimore and forced police to reroute traffic after steel girders on one building began to sway. Baltimore Gas and Electric reported 37,000 outages in the central Maryland service area. A house under construction collapsed in Baltimore County. Empty trailers and campers were not allowed to cross either the Key Bridge or the Bay Bridge. A barge was blown from its mooring at the Dundalk Marine Terminal.</p>												
19 MASSACHUSETTS												
Statewide	04-05	Evening-Morning			0	0	0	0		Ice Storm		
<p>Light snow changed to light to moderate freezing rain and accumulated up to about a half inch of glaze in some areas of mainly the central and western portion of the state. Power outages affected up to 7,000 customers in the Springfield area. A rash of skidding accidents were reported across the state.</p>												
Central and Eastern Portion	18	Morning			0	0	0	0		Heavy Snow		
<p>A sudden and unexpected late season snowstorm caught motorists and road crews unprepared as snow accumulated very quickly up to 4 to 10 inches. The rate of snowfall was unusually high. At the Blue Hill Observatory in Milton, a fall of 3 inches was measured in just one hour between 0900 and 1000EST. A storm total of 9.3 inches was recorded at the Observatory just ten miles south of Boston where a total of only two inches fell. The amounts varied considerably, especially across Worcester and Norfolk County, with 5 inches at Worcester Airport, 10 inches at Warren, and 2 inches at Palmer. Roads became extremely slippery and hundreds of accidents occurred. A thirty-five car pile-up plus three trailer-truck jackknifes occurred on Route 495 at the Andover-Tewksbury line.</p>												
20 MICHIGAN												
Entire State	03-04	2200-1800EST						5	7	Snow, Rain, Wind		
<p>8 to 20 inches of snow fell in the Upper Peninsula and 5 to 17 inches of snow, combined with rain and freezing rain, fell in the Lower Peninsula. Winds were measured up to 73mph at Ontonagon, 75mph at Houghton, 60mph at the Mackinac Bridge, and 57mph at Harbor Beach. 5 persons were injured in the collapse of a factory roof at Cadillac. Roofs on 3 factories, 2 schools, 3 stores and the Pontiac Silverdome Stadium collapsed. 4 persons were injured in 50 auto accidents, 10 in falls, 5 in snow blower accidents, and one from a heart attack incurred while shovelling snow. 7 persons died in a fire near Muskegon when snow hampered rescue efforts. An ice bridge connecting Mackinac Island to the mainland broke. The Mackinac Bridge closed for 4 hours due to wind and low visibility. Strong northeast winds caused flooding and ice damage to shore installations on Lake St. Clair and Lake Erie. The water level at Gibraltar reached 80 inches above chart datum. Many roads flooded in eastern Monroe and southeastern Wayne Counties. 100 families evacuated.</p>												
Lower Peninsula	12	0000-0400EST							6	Wind		
<p>Winds gusted up to 55mph at Traverse City, 59mph at Muskegon and 52mph at Ann Arbor. Widespread power outages resulted. Roads were closed by drifting snow in northern sections. Several buildings were damaged and 2 large trucks were overturned. Further damage occurred to the Pontiac Silverdome.</p>												
Hickory Corners, Barry County	28	0340EST 1.0	440						4	Thunderstorm Winds		
<p>2 barns and a silo were destroyed and 4 houses and several out-buildings were damaged in an area about 1 mile long and 1/4 mile wide.</p>												
Tekonsha, Calhoun County	28	2120EST								Hail		
<p>7/8 inch diameter hailstones were reported.</p>												
Entire State	31	morning							7	Wind, Snow and Lakeshore Flooding		
<p>Winds gusted up to 72mph at Sault Ste. Marie, 60mph at Mackinac Bridge and 70mph at Petoskey. 5 to 22 inches of heavy snow fell and drifted in the Upper Peninsula. Lakeshore flooding occurred in Macomb, Wayne and Monroe Counties. The water level at Gibraltar crested at 92 inches above chart datum. 3000 persons evacuated and 500 homes were damaged.</p>												
1 E Dansville, Ingham County	31	1657EST 0.2	?						3	Tornado (F1)		
<p>A tornado destroyed several pens and damaged and unroofed a veterinary clinic. A roaring noise was heard.</p>												
21 MINNESOTA												
Statewide	3/4	Morning through following evening						2	0	4	0	Blizzard
<p>Heavy snow spread over southwest Minnesota late on March 2nd and during the early morning hours of March 3rd. By noon, snowfall of 6 to 12 inches was common across southwest and south central Minnesota and winds gusting to 40 miles per hour started causing blowing and drifting snow. At noon the heavy snow band was spreading into Minneapolis and St. Paul and continued to advance north into central Minnesota during the afternoon. Visibilities were reduced to near zero in falling and blowing snow. Drifts across southwest and south central Minnesota reached 3 to 6 feet. Roads became impassable and numerous people became stranded. By early evening the heavy snow band reached Duluth. 1-94 was closed between Minneapolis and Alexandria and snowfall amounts of 1 ft. were common over southern Minnesota. Snow changed to sleet and freezing rain in portions of southern Minnesota. This combination of sleet and freezing rain continued until the following morning and was accompanied by thunder after 11 p.m. During the early morning of March 4th the heaviest snow band extended from western Minnesota across central and into northeast Minnesota. Strong winds continued to limit visibilities to near zero over most of Minnesota. At 5:21 a.m. Rochester recorded a peak gust to 68 miles per hour. At 8:30 a.m. the low pressure center associated with the blizzard was located near Mankato, moving east. Strong winds pounded the Duluth area, blowing off roofing material and snapping power lines. A gust of 71 miles per hour was recorded at the Duluth Airport at 8:30 a.m. Extremely strong winds continued to blow off Lake Superior through the afternoon. At noon a steady 80 to 85 mile per hour wind was measured at the aerial lift bridge in Duluth. The wind equipment at the bridge occasionally exceeded its 90 miles per hour range. Drifts in Duluth exceeded 20 feet in a few areas and Park Point remained isolated due to drifts of snow until the morning of March 7th. Elsewhere, winds of 20 to 40 miles per hour during the afternoon of March 4th kept visibilities low, making travel impossible. Numerous schools and businesses remained</p>												

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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	
NEBRASKA									
Hamilton County	03	1706CST			0	0	0	0	Funnel Cloud
A funnel cloud was reported just south of Giltner by the State Patrol.									
Hamilton County	03	1730CST	1/8	50	0	0	4	0	Tornado (F1)
A tornado destroyed a hog house and power pole just northeast of Hampton. FPP101									
York County	03	1800CST			0	0	4	0	Damaging Winds
Strong thunderstorm winds damaged numerous tree limbs in York.									
York County	03	1810CST	1/8	50	0	0	4	0	Tornado (F1)
A tornado touched down briefly 2 miles north and three-quarter miles east of Benedict demolishing a barn and storage tank. FPP101									
York County	03	1815CST	3	50	0	0	5	0	Tornado (F1)
A tornado touched down at intervals from 2 miles southwest of Gresham to 1 mile northeast of Gresham. A barn and storage tank were demolished southwest of town, the roof was torn off a storage building in town and a large grain bin was destroyed just northeast of Gresham. FPP111									
Polk County	03	1815CST			0	0	5	0	Damaging Winds
Thunderstorm winds took the roof off a fertilizer plant in Shelby. The storm also broke windows and downed trees and power lines in town.									
Butler County	03	1830CST			0	0	4	0	Damaging Winds
Strong thunderstorm winds heavily damaged farm buildings on two farms about 7 miles south of David City.									
Dawes County	05	2300CST			0	0	3	0	High Winds
High winds blew windows out of a building and damaged signs at Chadron.									
Dawes County	22	1115CST			0	0	?	0	High Winds
Northwest winds gusted to 62 m.p.h. at Chadron. No damage was reported.									
Douglas and Sarpy Counties	26	2030CST			0	0	2	0	Damaging Winds
Thunderstorm winds gusting 50 to 55 m.p.h. broke a few tree branches and caused scattered power outages. Gusts to near 55 m.p.h. were reported at Papillion and LaVista.									
Washington County	26	2130CST			0	0	4	0	Damaging Winds
Thunderstorm winds blew the roof off a nursery building and damaged utility lines 2 miles east of Arlington. Another roof and utility lines were damaged 1 1/2 miles southeast of Arlington.									
Jefferson County	26	2145CST			0	0	4	0	Damaging Winds
Strong thunderstorm winds ripped the roof off a tractor shed and hay building on a farm 5 miles south of Fairbury. Trees and utility lines were also damaged in the area.									
Eastern Nebraska	30	Morning			0	0	4	0	Heavy Snow
Snow accumulated 4 inches or more east of a line from Beaver City through Ord to Yankton. Snowfall in excess of 8 inches fell in east central Nebraska with 12 inches at Decatur, 11 inches at Prague, 10 inches at Nickerson, and 8 inches at Omaha and Wahoo. The wet heavy snow caused scattered tree limb and utility line damage. A number of tree limbs fell on homes.									
26 NEVADA									
Clark County, Las Vegas	27	1530PST			1	3	5	0	High Winds
High winds (gusting to 68 mph at Mc Carran Int. airport) produced zero visibilities in blowing sand, power outages, property damage, and one death/three injuries in a five car accident on U.S. 95.									
27 NEW HAMPSHIRE									
Statewide	04-05	AMEST			0	3	5	0	Heavy Snow
Two low pressure areas, the primary which moved from the Great Lakes through southern Quebec Province, Canada, while a secondary formed offshore and moved through the Gulf of Maine, dumped from 7 to 14 inches across the state. Most schools were closed statewide Tuesday. There was one noteworthy vehicle accident that occurred in Pelham Monday afternoon. There were 13 vehicles involved in three separate chain reaction pileups at the same spot over a very brief period. Only three minor injuries were reported from this accident that closed Route 38 for at least an hour. This was the biggest snowfall for the 1984/85 season.									
28 NEW JERSEY ————— NONE REPORTED									
29 NEW MEXICO									
Ramah-Zuni, McKinley County	12	All Day			0	0	5	0	Flooding
Heavy rains on the snowpack above Ramah and Zuni in the Zuni Mountains caused flooding to occur. The water came through the spillway at Ramah Lake, causing about \$150,000 to \$200,000 in damages.									
30 NEW YORK, Coastal ————— NONE REPORTED									
30 NEW YORK, Central									
Area Wide	04	PM			1	15	5	4	Snowstorm
Snow once again covered Eastern New York. Heaviest snow amounts were in Warren County, where over 12 inches of snow fell. Downed power lines were common. Damage was also done to local maple sugar taps. Ice and snow destroyed several hookups. Schools in most Eastern New York communities closed for the day. Snow changed over to sleet and freezing rain during the late stages of the storm. One person was killed when her auto slid off an ice-covered road in Ulster County.									
Ulster County, Town of Esopus, F-22-Auto									
Piercefield, St. Lawrence County	20	0640EST			2	1	?	0	Snowstorm
Light mountain snow fell in the Adirondacks. At 0640 EST, two persons were killed in an auto mishap. Police reported 2 inches of wet snow covered the road. Temperatures were near freezing. Two logging trucks had to jack-knife to avoid the auto. Snow showers were scattered around the Adirondacks that morning.									
St. Lawrence County, Town of Piercefield, M-20-Auto St. Lawrence County, Town of Piercefield, M-18-Auto									
Harpersfield, Delaware County	20	1215EST			1	4	?	0	Blowing Snow
A two car head-on collision took the life of one male and injured four others. Police list the cause of the accident as poor visibility due to blowing and drifting snow. State Police also reported the road was reduced to one lane due to drifting snow at the time of the accident.									
Delaware County, Town of Harpersfield, M-19-Auto									
30 NEW YORK, Western									
Parts of Tomkins and Genesee Counties and parts of other Western and Central New York Counties	04	Evening			-	-	4	-	Snow
Heavy snowfall of up to 6 inches forced the closure of schools and workplaces, and the cancellation of meetings. Numerous vehicular accidents occurred because of slippery roads.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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	
31 NORTH CAROLINA									
Statewide	12	Mid Morning to Late Afternoon			0	0	3	0	Wind
			Winds associated with a strong cold front produced scattered light damage across the state mostly to signs, television antennas, and power lines; power outages were reported in the southern piedmont and the northern foothills. Persistent gusts to over 50 mph were observed in the northern coastal area and the northwest piedmont.						
Northern Foothills, Sandhills, and North-east Piedmont	6-13				0	0	?	?	Dry Weather, Wind
			Abnormally dry, late winter weather and windy conditions set the stage for many small forest and brush fires. About 400 acres were burned in Franklin County on the 12th and one home was partially burned. At least 21 separate fires in Moore County burned 180 acres, and many small fires in the Wilkes County area burned an undetermined area. Statewide, the NC Division of Forest Resources responded to 2894 fires which burned 19,132 acres during the month of March. No dollar estimates of damage are available.						
Four Miles Southeast of Warsaw, Duplin County	24	1335EST			0	0	0	?	Hail
			Three-quarter inch hail was observed between Warsaw and Kenansville.						
Just East of Lumberton, Robeson County	24	1437EST			0	0	0	?	Hail
			Three-quarter inch hail was reported.						
Central Moore County	24	1440EST			0	0	0	0	Hail
			Three-quarter inch hail was reported.						
Laurinburg, Scotland County	24	1455EST			0	0	0	0	Hail
			Three-quarter inch hail was observed by the Laurinburg Police Department.						
4-5 Miles Northeast of Rockingham, Richmond County	24	1500EST			0	0	0	0	Hail
			Nickel sized hail was reported along Highway US 1.						
Siler City, Chatham County	24	1505EST			0	0	0	0	Hail
			Three-quarter inch hail was observed by a deputy.						
10 Miles North of Beaufort, Carteret County	24	1510EST			0	0	0	?	Hail
			One and three-quarter inch hail was reported.						
Just South of Graham, Alamance County	24	1545EST			0	0	0	0	Hail
			One inch hail was observed by an amateur radio spotter.						
Carrboro, Orange County	24	1620EST			0	0	0	0	Hail
			The severe thunderstorm moved south along the Alamance-Orange County border. Hail up to 3/4 inch was observed by a postal employee, from Carrboro to 4 miles west of Carrboro. The hail covered cars and most of the ground.						
Northern Area, Lee County	24	1724EST			0	0	0	0	Hail
			A Lee County deputy observed 3/4 inch hail.						
Broadway, Lee County	24	1749EST			0	0	0	0	Hail
			The Broadway police and the N.C. Highway Patrol reported hail up to one inch in diameter covering the ground.						
Mamers, Harnett County	24	1805EST			0	0	0	0	Hail
			The severe thunderstorm which produced hail in Lee County moved southeast into Harnett County where 3/4 inch hail was observed at Mamers.						
Just Southeast of Lillington, Harnett County	24	1837EST			0	0	0	0	Hail
			The same storm described above split into two cells as it moved southeast through Harnett County. No reports were received from the left cell, but the right cell produced 3/4 inch hail at Lillington's Vehicle Maintenance Facility. The storm weakened as it moved out of the county.						
Eastern Durham County	24	1905EST			0	0	0	0	Hail
			Just outside of the city of Durham, a NWS employee observed 3/4 inch hail covering the ground along Highway US 70.						
Kittrell, Vance County	24	2100EST			0	0	0	0	Hail
			The last severe storm of the evening produced hail one inch in diameter which covered the ground.						

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					KILLED	INJURED	PROPERTY	CROPS	
32 NORTH DAKOTA									
Southwest, South Central and East	01	Night to Evening			0	0	0	0	Winter Storm, Blizzard
			A winter storm began over southwest North Dakota on the night of the 1st. The storm spread into the south central section by the night of the 2nd. Over a foot of snow was reported in some areas. This storm moved slowly into eastern North Dakota on the 3rd. On the night of the 3rd and morning of the 4th, the storm had intensified into a blizzard over eastern North Dakota. High winds and heavy snow restricted visibilities, and caused snow drifts up to 8 feet high in some locations, cancelling airline flights, stranding travelers, and causing a few minor accidents. Many schools, businesses and government offices were closed.						
Southeast	06	Morning, Afternoon and Evening			0	0	0	0	High Winds
			High winds up to 53 mph and icy roads caused numerous vehicle accidents, mostly in and around the City of Fargo. There were several serious injuries.						
Fargo, Cass County	25				0	0	4	0	High Winds
			High winds up to 48 mph flipped over a small aircraft and slammed it to the ground.						
North	27	Night to Morning			0	0	0	0	Winter Storm
			A winter storm brought heavy snow and winds up to 40 mph over the northern half of North Dakota. Near blizzard conditions occurred in many areas. Snowfall amounts ranged from 6 to 13 inches, except for locally higher amounts. Minot Air Force Base reported the most snowfall, 17 inches. Schools, businesses, government offices and airports closed down. Ambulances handled only emergency calls. Mail delivery was cancelled. There were many traffic accidents. The storm brought badly needed moisture to the area, but it still wasn't enough.						
33 OHIO									
Entire State	04-05				0	0	5	0	High Wind
			Strong winds gusting above 60 mph occurred throughout the state for most of these two days. The winds downed trees and utility lines and caused structural damage.						
Entire State	12				0	0	5	0	High Wind
			Wind gusts as high as 65 mph occurred across the state. These winds downed trees and caused power outages. There also was some structural damage.						
Ottawa County	28	1735EST			0	0	5 ⁰	0	C Hail
			Golf ball size hail fell in Dewbury Twp. The hail damaged fruit trees and caused minor property damage.						
Henry County	28	1744EST			0	0	4	0	Hail
			Golf ball size hail fell in Napoleon. The hail damaged automobiles.						
Erie County	28	1745-1800EST			0	0	5	0	Hail
			A thunderstorm produced large hail as it moved across the county. One-inch diameter hail fell in Sandusky at 1745 and golf ball size hail fell in Huron at 1800EST.						
Lucas County	28	1810EST			0	0	4	0	Hail
			A thunderstorm produced 3/4 inch diameter hail 6 miles east of Toledo Airport. The hail caused minor damage.						
Lorain County	28	1815EST			0	0	4	0	Hail
			Golf ball size hail fell in Lorain and Elyria as a thunderstorm moved through the county.						
Paulding County	28	1826EST			0	0	4	0	Hail
			A thunderstorm produced 3/4 inch hail in the western part of the county.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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					KILLED	INJURED	PROPERTY	CROPS	
OHIO									
Sandusky County	28	1905EST			0	0	4	0	Hail
					One inch diameter hail fell on the north side of Fremont as a thunderstorm moved through the county. At 1912EST golf ball size hail fell on the east side of Clyde.				
Summit County	28	1917EST			0	0	4	0	Hail
					A thunderstorm produced 3/4 inch hail along State Route 303.				
Sandusky County	28	1924-1941EST			0	0	5	0	High Wind
					A thunderstorm produced wind gusts to 58 mph west of Bellevue. The winds downed trees, took roofs off houses and blew out windows at a car dealership.				
Erie County	28	1928EST			0	0	4	0	Hail
					One inch diameter hail fell southwest of Sandusky.				
Henry County	28	1929-1940EST			0	0	4	0	Hail
					Golf ball size hail did some property damage north of Holgate at 1929 EST. Three-quarter inch hail fell in the east part of the county between 1935 and 1940EST.				
Putnam County	28	1936EST			0	0	4	0	Hail
					A thunderstorm produced 3/4 inch hail in the western part of the county.				
Huron County	28	1941EST			0	0	4	0	Hail
					One-inch diameter hail fell in the Norwalk area. The hail caused damage to cars and awnings.				
Erie County	28	1950EST	1	50	0	0	5	0	Tornado (F1)
					A mini tornado touched down southwest of Berlin Hts. in the southern part of the county. The storm damaged some houses and destroyed a garage and some storage sheds. Several trees and utility lines were downed. The main damage path was along Arlington Road and State Route 113.				
Lorain County	28	2002-2020EST			0	0	5	0	Hail, High Winds
					A severe thunderstorm crossed the county producing 50-60 mph winds and large hail. One and a half inch diameter hail was reported 5 miles west of Wellington. Tree and utility line damage occurred in Grafton at 2016EST where winds were measured at 60 mph.				
Findlay, Hancock County	28	2006-2020EST			0	0	5	0	Hail, High Winds
					Severe thunderstorms crossed Findlay with damaging winds and large hail. Winds gusted to 65 mph at Findlay Airport at 2006EST, while wind damage and large hail was reported east of the airport at 2020EST.				
Medina County	28	2028EST			0	0	4	0	Hail, High Winds
					A severe thunderstorm with 60 mph winds and one and a half inch diameter hail moved through Lodi. Trees and utility lines were downed and minor structural damage occurred.				
Wyandot County	28	2030EST			0	0	4	0	Hail
					Golf ball size hail fell in Carey.				
Henry County	28	2040EST			0	0	4	0	Hail
					A thunderstorm moved across the county and produced one inch diameter hail in many places.				
Wayne County	28	2044EST			0	0	4	0	Hail
					One inch diameter hail fell in Wadsworth and the eastern half of the county. The hail damaged many autos.				
OHIO									
Summit County	28	2100EST			0	0	4	0	Hail
					One inch diameter hail was reported in many areas in Akron.				
Crawford County	28	2105EST			0	0	4	0	Hail
					A thunderstorm produced one inch diameter hail in Bucyrus.				
Portage County	28	2105EST			0	0	4	0	Hail
					A thunderstorm with gusty winds crossed the county and produced 3/4 inch hail in Kent. Minor auto damage occurred.				
Mahoning County	28	2115-2145EST			0	0	4	0	Hail
					A severe thunderstorm crossed the county, with one inch diameter hail reported in the western part of the county at 2115EST. One inch diameter hail was also reported in the eastern part of the county at 2145EST.				
Stark County	28	2120EST			0	0	4	0	Hail
					Three quarter inch hail was reported at several locations in the northern half of the county.				
Richland County	28	2137EST			0	0	4 ⁰	C	Hail
					A thunderstorm covered the ground with 3/4 inch diameter hail in Ontario. Some damage was done to fruit trees. Three-quarter inch hail was reported at the Mansfield Airport at 2140EST.				
Wyandot County	28	2200EST	2	75	0	0	5	0	Tornado (F1)
					A mini tornado did \$75,000 damage to six farm buildings in Wharton.				
Ashland County	28	2206EST	6	880	0	0	5	0	Tornado (F1)
					A tornado did extensive damage to a farm complex 2 miles south of Hayesville. Several buildings were destroyed and livestock killed.				
Wayne County	28	2250EST	1/2	75	0	0	4	0	Tornado (F1)
					A mini tornado was observed to touch down briefly in a rural area in the south part of the county near Maysville. Trees and utility lines were downed.				
Holmes and Stark Counties	28	2300EST			0	0	5	0	High Winds
					A severe thunderstorm caused widespread wind damage along the border of these two counties. Buildings were damaged and trees and utility lines downed.				
Richland County	28	2315EST	2	75	0	0	6	0	Tornado (F2)
					A tornado touched down in Lexington and damaged more than 20 homes along with other buildings.				
Wayne County	29	0008EST			0	0	4	0	High Winds
					Winds accompanying a thunderstorm blew roofs off houses and barns in Shreve.				
Holmes County	29	0100EST			0	0	4	0	High Winds
					Thunderstorm winds blew a roof off of a barn and destroyed chicken coops in Wineburg.				
Brown County	29	1000EST			0	29	4	0	Lightning
					Lightning struck a shoe factory in Ripley, injuring 29 employees. All of the people were treated at hospitals, with 7 being admitted.				
Cleveland, Cuyahoga County	31	1725EST	1/4	75	0	0	5 ⁰	C	Tornado (F0)
					A tornado struck a greenhouse complex in the Old Brooklyn area on Cleveland's southwest side. Several greenhouse buildings were severely damaged and crops were lost. Glass was carried over a mile by the tornado winds.				

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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					KILLED	INJURED	PROPERTY	CROPS	

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	

34 OKLAHOMA										
El Reno, Canadian County	03	1748CST				0	0	?	?	Hail
One inch size hail fell.										
Guthrie, Logan County	03	1810CST				0	0	?	?	Wind
Thunderstorms produced 70 to 80 mph winds 7 miles west of Guthrie.										
Guthrie, Logan County	03	1820CST				0	0	?	?	Hail
Golfball size hail fell in the east side of town.										
Guthrie, Logan County	03	1820CST	Short Narrow		0	12	5	?	?	Tornado (F1), Wind
Strong thunderstorm winds, 70 to 80 mph, and a small tornado occurred about 9 miles south-southeast of Guthrie in southern Logan County. Eight mobile homes were completely destroyed and 2 sustained heavy damage. Minor damage occurred to several other residential structures. Twelve people received minor injuries, all in the mobile homes. Damage was set at \$320,000.										
Apache, Comanche County	03	1845CST				0	0	4	?	Wind
A thunderstorm produced winds that destroyed a barn, blew out windows, and uprooted several trees. Damage estimated at \$25,000.										
Carnegie, Caddo County	03	1850CST				0	0	?	?	Wind/Heavy Rain
A thunderstorm produced 3.17 inches of rain in 2 hours, causing flooding in town. Strong winds also occurred, downing trees and power lines, blocking several streets and roads. No estimate on damage was available.										
Cyril, Caddo County	03	1900CST				0	0	?	?	Wind
Thunderstorms produced winds which heavily damaged a mobile home and took the top off of a barn.										
Lake Latonka, Comanche County	03	1900CST				0	0	3	?	Wind
50 to 60 mph thunderstorm winds blew a mobile home over. Damage was estimated at \$2,000.										
Chickasha, Grady County	03	1900CST				0	0	?	?	Wind
Thunderstorms caused strong winds which blew down powerlines and trees, blocking a portion of Highway 81 a few miles north of Chickasha.										
Cushing, Payne County	03	1900CST	Short Narrow		0	0	5	?	?	Tornado (F1)
A tornado touched down 6 miles north of Cushing, destroying several barns and damaging several others. Trees were heavily damaged and windows were knocked out of a church. Damage was estimated at \$100,000.										
Anadarko, Caddo County	03	1910CST				0	0	4	?	Wind
A thunderstorm produced 60 to 70 mph winds which damaged the roof of a house, and uprooted several trees which blocked a road for awhile four miles east and 3 miles south of Anadarko. Damage was estimated at \$8,000.										
Amber, Grady County	03	1919CST				0	0	?	?	Hail/Wind
Thunderstorms produced 1/2 to 3/4 inch hail and 60 mph winds 3 miles east of Amber.										
Oklahoma City, Oklahoma County	03	1923CST				0	0	?	?	Wind
A thunderstorm produced 62 mph winds at Will Rogers Airport.										
Midwest City, Oklahoma County	03	2010CST				0	0	4	?	Wind
50 to 60 mph thunderstorm winds blew a mobile home over. Damage was set at \$5,000.										
Bartlesville, Washington County	03	2015CST				0	0	5	?	Wind, Heavy Rain
A thunderstorm produced strong winds and 1.89 inches of rain in 1 to 2 hours. A school and a bank received heavy roof damage, while many trees were broken off and several windows broken out. The Police Department received heavy flooding. Damage was estimated at \$100,000.										

— OKLAHOMA										
Prague, Lincoln County	03	2030CST				0	0	?	?	Wind
Thunderstorms caused winds of 60 to 70 mph.										
Shamrock, Creek County	03	2045CST				0	1	4	?	Wind
Strong thunderstorm winds destroyed a 12 by 60 foot mobile home and a barn, and downed several large trees. One woman was injured in the mobile home. Damage was estimated at \$50,000.										
Bristow, Creek County	03	2100CST				0	0	4	?	Wind
Thunderstorm winds destroyed a mobile home 6 miles northwest of Bristow. Damage was set at \$15,000.										
Sand Springs, Tulsa County	03	2120CST				0	0	4	?	Wind
A thunderstorm produced strong winds which damaged a mobile home and heavily damaged many trees. Damage was set at \$8,000.										
Sperry, Tulsa County	03	2125CST				0	0	?	?	Wind
Thunderstorm winds downed several trees and almost overturned a mobile home which was tied down. No estimate of damage was available.										
Davis, Murray County	03	2145CST				0	0	5	?	Wind
A strong thunderstorm produced 60 to 70 mph winds just south of Davis. Four mobile homes and two barns were destroyed. Other mobile homes and outbuildings were damaged. Damage was estimated at \$150,000.										
Calvin, Hughes County	03	2230CST				0	0	4	?	Wind
Thunderstorm winds destroyed a mobile home 4 miles northeast of Calvin. Damage was estimated at \$20,000.										
Eufaula, Pittsburg County	03	2330CST				0	0	?	?	Wind
A thunderstorm produced winds which took the roof off of a school. This allowed water to damage the interior. No damage estimate was available.										
Stilwell, Adair County	04	0030CST				0	0	3	?	Wind
Thunderstorm winds damaged the roof of a school. Damage was set at \$4,000.										
Hollis, Harmon County	22	1756- 1816CST				0	0	?	?	Hail
Hail the size of golfballs fell just northwest of and across Hollis. Hail knocked out windows and damaged roofs. No estimate on damage was available.										
Gould, Harmon County	22	1825CST				0	0	0	0	Funnel Cloud
A funnel cloud was reported 11 miles southwest of Gould.										
Gould, Harmon County	22	1825CST				0	0	?	?	Hail
Hail the size of pennies fell.										
Hollis, Harmon County	22	1828CST				0	0	?	?	Funnel Clouds
Three funnel clouds were reported 5 miles south of Hollis.										
Frederick, Tillman County	22	1950 CST				0	0	?	?	Hail
One and one-half inch size hail fell, stripping fruit trees of leaves and blooms.										
Frederick, Tillman County	22	2015- 2018CST				0	0	?	?	Hail
Golfball size hail fell.										
Loveland, Tillman County	22	2030CST				0	0	0	0	Funnel Cloud
A funnel cloud was reported between Loveland and Hollister.										
Grandfield, Tillman County	22	2055CST				0	0	?	?	Wind
Thunderstorms produced winds of 65 mph. No report of damage was available.										
Devol, Cotton County	22	2105CST	Short Narrow		0	0	0	0	0	Tornado (F0)
A tornado briefly touched down just north of Devol. No damage occurred.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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	
OKLAHOMA									
Naurika, Jefferson County	22	2158CST			0	0	?	?	Hail
									Hail the size of golfballs fell.
Ryan, Jefferson County	22	2201CST			0	0	?	?	Hail/Funnel Cloud
									Hail the size of golfballs fell and a funnel cloud was also reported.
Thackerville, Love County	22	2310CST			0	0	?	?	Wind/Hail
									Thunderstorms produced 50 to 60 mph winds and 3/4 inch size hail.
Beaver, Beaver County	26	1705CST			0	0	4	?	Wind
									Strong thunderstorm winds overturned an aircraft at the airport. Damage was estimated at \$15,000.
Elmwood, Beaver County	26	1726CST			0	0	?	?	Wind
									A thunderstorm produced winds of 62 mph.
Hollis, Harmon County	26	1800CST			0	0	?	?	Hail
									Two inch size hail fell 10 miles southwest of Hollis.
Hollis, Harmon County	26	1806CST			0	0	?	?	Hail
									3/4 inch size hail fell 2 miles east and 7 miles south of Hollis.
Plainview, Greer County	26	1810CST			0	0	?	?	Wind
									A thunderstorm produced 60 mph winds.
Duke, Jackson County	26	1830CST			0	0	?	?	Wind, Hail
									Thunderstorms produced 50 to 60 mph winds and marble size hail.
Willow, Greer County	26	1840CST			0	0	?	?	Wind
									A thunderstorm produced 50 to 60 mph winds.
Blair, Jackson County	26	1850CST			0	0	?	?	Wind
									A thunderstorm produced 58 mph winds.
Enid, Garfield County	26	1955CST			0	0	?	?	Wind
									A thunderstorm produced 50 mph winds.
Blanchard, McClain County	26	2045CST			0	0	?	?	Wind
									Thunderstorm winds damaged several mobile homes. No estimate of damage was available.
Payne, McClain County	26	2047CST	Short Narrow		0	0	5	?	Tornado (F1)
									A tornado touched down 3 miles southwest of Payne, knocking a home 20 feet off of its foundation and taking its roof off. Another house was heavily damaged and several barns destroyed. Persons in the houses reported popping of their ears and hearing a loud roar, but suffered no injuries. A mobile home also suffered damage. Damage estimated at \$150,000.
Lindsay, Garvin County	26	2050CST			0	0	4	?	Wind
									A thunderstorm wind took part of a roof off of a grocery store. Damage was set at \$7,500.
Noble, Cleveland County	26	2050CST			0	0	?	?	Wind
									Thunderstorm winds in excess of 60 mph occurred.
Norman, Cleveland County	26	2055CST			0	0	?	?	Hail
									Hail, 3/4 inch to golfball size, fell.
Purcell, McClain County	26	2115 CST			0	2	?	?	Wind
									Thunderstorm winds destroyed a barn one mile south of Purcell, injuring two workers.
Trousdale, Pottawatomie County	26	2115CST			0	0	?	?	Wind
									A thunderstorm produced winds of 65 mph.
OKLAHOMA									
Stratford, Garvin County	26	2115CST			0	0	?	?	Wind
									A thunderstorm produced winds of 60 mph.
Wayne, McClain County	26	2115CST			0	0	?	?	Wind
									Thunderstorm winds destroyed two houses just north of Wayne. No damage estimate was available.
Wewoka, Seminole County	26	2200CST			0	0	?	?	Wind, Hail
									A thunderstorm produced winds of 60 mph and hail a half-inch in diameter.
Holdenville, Hughes County	26	2205CST			0	0	?	?	Wind
									A thunderstorm produced winds which uprooted several large trees.
Ada, Pontotoc County	26	2212CST	Short Narrow		0	0	?	?	Tornado (F0)
									A tornado touched down briefly 3 miles west of Ada, but did no damage.
Ada, Pontotoc County	26	2213CST			0	0	?	?	Wind, Funnel Cloud
									A thunderstorm produced 70 mph winds. A funnel cloud was also observed.
Lamar, Hughes County	26	2230CST			0	0	?	?	Wind
									A thunderstorm produced strong winds which blew one-foot diameter trees down.
Braggs, Muskogee County	26	2300CST			0	2	5	?	Wind
									Thunderstorm winds destroyed a mobile home and a barn. Another barn was damaged. Two people in the mobile home suffered minor injuries. Damage was estimated at \$50,000.
Seminole, Seminole County	29	0800CST			0	0	?	?	Wind
									A thunderstorm produced winds clocked at 58 mph.
Madill, Marshall County	29	1900CST			0	0	4	?	Wind
									Strong thunderstorm winds destroyed 2 barns 2 miles south of Madill. Damage was estimated at \$40,000.
Southeast Sections	29-30	Night-Day			0	0	?	?	Flooding
									Heavy rains of 3 to 5 inches caused many roads to be closed due to high water. Several small bridges were also washed out. No estimate on damages was available.
Yanush, Latimer County	30	0300CST			0	0	?	?	Wind
									Thunderstorm winds destroyed a stock trailer and several outbuildings. Damage was estimated at \$10,000.
Sallisaw, Sequoyah County	30	0420CST			0	0	?	?	Wind
									Thunderstorm winds did \$10,000 damage to a 14 by 80 foot mobile home.
Poteau, LeFlore County	30	0420CST			0	4	4	?	Wind
									Thunderstorm winds destroyed a mobile home just east of Poteau. Four persons in the mobile home had only minor injuries. Damage was set at \$15,000.
35 OREGON ————— NONE REPORTED									
36 PENNSYLVANIA, Eastern									
Eastern Pennsylvania	12	0900-2300EST			1	1	4	0	Wind
									Strong wind gusts brought down trees and tree limbs. The winds also toppled a house under construction and took portions of roofs off buildings. Some windows were broken and power lines were downed. In Wyoming County, a tree fell on an automobile, killing the driver. One person received cuts when a plate glass window blew out of a store. Wind gusts were generally between 35 and 50mph, but a few gusts were reported that exceeded 50mph.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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		
36 PENNSYLVANIA, Western										
Lawrence County	28	1940CST			0	0	0	0		Hail
										One inch hail was reported near New Castle.
Butler County	28	2000CST			0	0	0	0		Hail
										Golf ball size hail was reported on Interstate 79 near West Liberty.
Allegheny County	28	2210CST			0	0	0	0		Hail
										Three-quarter inch hail was reported in Sewickely.
Beaver County	28	2230CST			0	0	0	0		Hail and Strong Winds
										One half inch hail and large trees knocked down, was reported near Monaca.
Westmoreland County	28	2315CST			0	3	4	0		Strong Winds
										Three people were injured when a mobile home was blown off its foundation in Liberty Township. Another mobile home was blown off its foundation in Unity Township.
Butler County	28	night			1	0	4	0		Heavy Rain
										Thunderstorms produced up to two inches of rain, along with the hail and strong winds over western Pennsylvania. There were numerous reports of basement flooding in Butler County, with one fatality (drowned in basement).
37 RHODE ISLAND										
Statewide	04	Afternoon & Evening			0	0	0	0		Ice Storm
										Light snow changed to light to moderate freezing rain, creating dangerous highway conditions that lead to numerous skidding accidents as all surfaces glazed over.
38 SOUTH CAROLINA										
Statewide	1-21				0	0	5	7		Forest Fires
										An unusually dry winter across South Carolina, along with a near record dry, windy, March, caused the highest incidence of forest fires across the State that has been recorded in many years. The S.C. Forestry Commission reported 4,119 wildfires burning 45,207 acres.
Camden, Kershaw County	12	p.m.			-	-	4	6		Wind, Forest Fires
										Winds associated with a dry cold front caused scattered minor damage across the state. The dry, windy conditions pushed forest fires out of control statewide. The largest single fire was near Camden where a 2,000 acre fire moved into the edge of town. Eight large homes were burned; also several thoroughbred horses and a number of other animals were killed.
Statewide	19	a.m.			0	0	0	5		Frost/Freeze
										Frost and freezing temperatures occurred across the state, with the exception of the immediate coastal areas. Damage was reported to vegetable and truck crops in eastern South Carolina and to peaches in northwest, west and central parts of the State.
Wren Community, Anderson County	24	1230EST			0	0	3	0		Lightning
										Lightning caused significant damage to a mobile home.
Myrtle Beach, Horry County	25	1300EST			0	0	2	0		Small Hail
										An upper level area of low pressure moved eastward across northern South Carolina during the afternoon and evening, producing several thunderstorms. Small hail associated with one of these thunderstorms covered the ground over a small area in Myrtle Beach. Damage was minimal, although there were sufficient accumulations for residents to build an "iceman".
39 SOUTH DAKOTA										
Statewide	1-4	Evening Late Eve			0	0	6	0		Winter Storm
										A major winter storm of wind, rain, ice, sleet, snow, thunder and brilliant lightning struck the majority of the state with near blizzard conditions in open areas. Snowfall amounts were generally 10 to 20 inches statewide, with 20 to 30 inches over east central and northeastern portions. Roads and highways became clogged with snow. Interstate 90 was closed in a 260 mile stretch from Mitchell (Davison County) to Rapid City (Pennington County) at 1700 CST on the third, and was reopened from Rapid City to Presho (Lyman County) at 1530 CST on the fourth and from Presho to Mitchell at 0800 CST on the fifth. Interstate 29 was closed in a 170 mile stretch from just north of Sioux Falls (Minnehaha County) to the North Dakota border early evening on the third until 0900 CST on the fifth. Nearly 80 percent of the state roads and highways were impassable from late on the third until afternoon on the fifth. The storm resulted in the curtailment of nearly all activities statewide. Most areas had no school and mail service was discontinued through the fifth and up to the sixth in hardest hit areas. Huron (Beadle County) received a record-breaking 24-hour snowfall of 18.3 inches. Snow drifts ranged from 5 to 20 feet as winds gusted to 50 mph in places. South of Milbank (Grant County) a 40' x 120' pole barn roof collapsed, killing a calf and damaging machinery inside. Several canopies on homes and businesses collapsed due to the weight of the snow. In Hoven (Walworth/Potter Counties) part of a barn roof collapsed and in Clear Lake (Deuel County) numerous barns received damage. The extreme southeast escaped the heavy snow and received rain, sleet and freezing rain, with ice accumulations up to three inches in some areas. Ice buildup on utility poles and wires, combined with high winds, snapped poles, broke lines and bent wires. Over 1100 power poles were lost and greater than 1,000 miles of powerlines were affected. A nine mile stretch between Freeman and Meridian in Hutchinson County had 50 poles downed. Planes were used to locate downed lines. Damage estimates have exceeded one million dollars. In Turner and Hutchinson Counties alone, over 600 power poles were downed, causing over 2,000 people to lose power by the fourth. The outage was called the worst on record and lasted from the third to the evening on the tenth in some areas. Many towns were without water as a result of the loss of electricity. Aside from electrical problems, tree damage was extensive and some areas reported property damages. Some livestock died due to lack of electricity. Fire destroyed a dairy farm west of Freeman due to heavy, ice-laden power lines pulling loose and shorting out. In Avon (Bon Homme County) a home had a 4' x 4' hole punched in the roof by a fallen tree, damaging portions of the interior. A 400' radio tower just southwest of Parker (Turner County) was downed at 0710 CST on the fourth, smashing into a building, damaging the roof and interior portions and cutting off the communications center for twelve southeast counties.
Southeast	19-22	Morning Afternoon			0	0	4	0		Flooding
										Snowmelt caused minor flooding along the Big Sioux River bottom lowlands. In Brookings County, runoff wiped out culverts, washed out township roads and caused bridges to be blocked off. Near Baltic and Renner (Minnehaha County) some roads were flooded by more than one foot of water.
40 TENNESSEE										
Flatwoods Community, Benton County	4	1030cst								High Wind
										A farrowing house received damage from strong thunderstorm winds in this community north of Camden. Damage was estimated at \$2000. Also, a porch was blown from a house.
Dickson County	4	1200cst								High Wind
										Strong thunderstorm winds gusting to near 60 mph caused brief power outages as trees and limbs were blown around and into power lines. Also, monitoring cables were torn from insulators on the WEXN AM-FM radio tower.
Double Bridges Community, Lauderdale County	30	2330cst								High Wind
										A mobile home was destroyed and a house was damaged in this northern Lauderdale County community 10 miles southwest of Dyersburg. Strong winds from a thunderstorm caused the damage. A 2-year old boy suffered a minor cut in the mobile home. Two large trees fell on the house.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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	
41 TEXAS, Northern									
Comanche County	03	2230CST			0	0	?	?	Thunderstorm Winds
An intense thunderstorm produced winds to 60 mph in the city of Comanche.									
Grayson County	20	1755-1830CST			0	0	?	?	Hail
Spotters reported golfball size hail near Tioga in southwest Grayson County at 1755CST. As the storm moved eastward, spotters again reported dime to golfball size hail in the eastern part of the county at 1830CST.									
Denton County	20	1825-2100CST			0	0	?	?	Flooding
Heavy thunderstorm rains produced flooding on several farm roads, mainly FM 455 and FM 428. Most of the flooding was in the area between Pilot Point, Sanger and Aubrey, with water up to 4 feet deep before receding during the night.									
Hopkins, Wood and Delta Counties	20	1835-2000CST			0	0	?	?	Hail, Flooding
Thunderstorms produced one inch hail in Yantis, Wood County, at 1835CST. As the storm moved north into Hopkins County, it continued to produce large hail.									
Between Sulphur Springs and Cooper, a storm dropped 2.39 inches rain in a short time, leaving several farm roads under 2 to 3 feet of water. The worst flooding was in the city of Cooper in Delta County, where the County Courthouse was flooded, as were a number of homes nearby. Some spots in town had 3 feet of water in homes before the waters began to recede late that night.									
Parker, Tarrant, Dallas, Hunt, Collin, Rockwall and Kaufman Counties	26	2107-2400CST			0	4	6	?	Thunderstorm Winds and Hail
Very intense thunderstorms moved eastward through the Dallas-Ft. Worth metropolx and surrounding area during the late night hours, with the severe weather ending by midnight. Virtually all of the damage was from strong straight-line winds, with only a few initial reports of hail. There were only a few injuries, all minor, despite the destruction in the populated area of north Dallas.									
First reports of severe weather came from spotters in Parker County at 2107CST with 3/4 inch hail at Weatherford, followed at 2100CST with similar size hail at Springtown. Within a few minutes, strong winds struck in Weatherford, with extensive roof damage to several apartments, a nursing home and several houses.									
As the storm moved into Tarrant County, amateur radio spotters reported wind damage having occurred to roofs, trees and power lines from 2145CST to 2215CST.									
Moving into Dallas County, the storm had winds clocked at over 80 mph at Love Field at 2215CST. Seven hangars and 14 aircraft were damaged, with damage estimated at over \$1.25 million. The storm then hit the northern part of Dallas in the Greenville Avenue-Lovers Lane area, which contains a number of crowded night-spots.									
The damage was oriented west to east for about 3 1/2 miles, with the path varying from 50 to 200 yards wide. The damage was sporadic over the area, with numerous walls collapsed, roofs removed and several smaller buildings destroyed. A large tractor-trailer truck which was parked by a restaurant was overturned by the winds.									
At 2245CST, winds estimated by spotters at 70 mph produced damage in Princeton in Collin County. A few minutes later in Rockwall County, the storm removed the doors and part of the roof from the city jail.									
Shortly after 2300CST, the storm destroyed several small buildings and removed the roof from a home in Quinlan, Hunt County. Just to the south in Kaufman County, several outbuildings and roofs were damaged by the high winds.									
Callahan County	29	1530CST	1	30	0	0	?	?	Tornado (F1)
		1620CST	1/2	30	0	0	?	?	Tornado (F0)
		1630CST	1/2	30	0	0	?	?	Tornado (F0)
Three tornadoes struck Callahan County during the hour, with only one producing any damage. The first struck the Oplin Community in southwest Callahan County, destroying several small out-buildings and damaging 6 to 8 homes and buildings, including a church.									
The second tornado struck at 1620CST several miles east of Baird in an open field, followed by a third tornado at about 1630CST which also touched down in a field just north of Cottonwood.									
Stephens County	29	1635CST	1/2	30	0	0	0	0	Tornado (F0)
A small tornado touched briefly in a field 5 miles west of Breckenridge near Hubbard Creek Lake.									
Eastland County	29	1720CST			0	0	?	?	Hail
An amateur radio spotter reported 3/4 inch hail and a rotating wall cloud near Cisco.									
TEXAS, Northern									
Angelina County	30	1310-1325CST			0	0	?	?	Hail
Golfball size hail was reported in Apple Springs at 1310CST, followed by 2 inch hail just north of Lufkin at 1325CST.									
Shelby County	30	1320CST			0	0	?	?	Hail
Golfball size hail was reported southeast of Shelbyville near Toledo Bend Lake.									
Rusk County	30	1340CST			0	0	?	?	Hail
One inch hail was reported at Arlam.									
Nacogdoches County	30	1340CST			0	0	?	?	Hail
Baseball size hail was reported just east of Nacogdoches.									
Panola County	30	1350CST			0	0	?	?	Hail
Golfball size hail was reported at Woods.									
Houston County	30	1420CST			0	0	?	?	Hail
Golfball size hail was reported at Lovelady.									
41 TEXAS, Southern									
Brazoria, Fort Bend and Harris Counties	14	Morning			0	0	0	?	Flooding
A cold front moved through the three county area, setting off thunderstorms and very heavy rains. In Brazoria County, Clute, Angleton and Brazosport reported between 3 and 4 inches of rain with widespread street flooding. In southeastern Harris County, Deer Park reported 4 inches of rain with numerous streets flooded. Pasadena and Baytown also reported flooding of streets and cars stranded. At one underpass on the Gulf Freeway, a car was submerged up to its windows. In Fort Bend County, Sugarland reported 4 inches of rain which produced flooding of several streets.									
Brazoria, Harris, Jefferson, Galveston Counties	20	Morning			0	0	0	?	Flooding
In Brazoria County, Angleton reported 5 and one half inches of rain. Also, in Galveston County, La Marque reported 5 inches of rain. In Harris County, Houston had 2 and one half inches while 2.45 inches was measured at the NWS office at the Jefferson County Airport. Numerous streets were flooded over the four county area.									
Walker County	30	1205CST			0	0	0	0	Hail
Hail up to the size of golf balls fell in and around the town of Huntville. Damage was not reported.									
41 TEXAS, Western									
Crosbyton, Crosby County	26	1625CST			0	0	0	0	Hail
Heavy hail to one-inch size fell 3 miles east of Crosbyton.									
Pecos, Reeves County	26	1630CST			0	0	3	?	Hail
Hail, a little larger than a marble, was reported in Pecos by the Emergency Management Coordinator. Minor damage to automobiles occurred.									
Winkler County	26	1630CST			0	0	?	0	Hail
Large hail, approximately the size of a nickel and just east of Kermit on Highway 302, was reported by a Deputy Sheriff of Winkler County.									
King County	26	1635CST			0	0	0	0	Funnel
A wall cloud with a funnel appeared north of Guthrie in King County, according to the Sheriff.									
South Plains, Floyd County	26	1645CST	short	15	0	0	0	0	Tornado (F0)
A small tornado touched down briefly 5 miles north of South Plains.									
Hedley, Donley County	26	1645CST			0	0	?	?	Hail
3/4 inch size hail fell in Hedley.									
Crosbyton, Crosby County	26	1710CST			0	0	0	0	Hail
Hail to 3/4 inch size fell 5 miles west of Crosbyton.									
East Afton, Dickens County	26	1825CST			0	0	0	0	Hail
Up to 1-inch sized hail fell about 9 miles east-northeast of East Afton.									
Dumont, King County	26	1835CST			0	0	?	0	Hail
1-1/2 inch sized hail fell in Dumont.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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					KILLED	INJURED	PROPERTY	CROPS	
42 UTAH									
Beaver, Cache, Davis, Iron, Juab, Millard, Morgan, Salt Lake, Tooele, Utah, and Weber Counties	02 & 03	0800MST to 2100MST			0	0	2	0	Heavy Snow & High Winds
A massive winter storm produced high winds and heavy snow over much of the North and West on this Saturday and Sunday. The storm began by producing prefrontal wind gusts to 60 mph in Tooele and widespread winds of 40 to 50 mph as early as 8 a.m. Saturday. By 6 p.m. the Northern Mountains had received 4 to 6 inches of snow, and it was just starting. By Sunday evening snowfall totals across the state included 8 to 14 inches in the Cache Valley, 6 to 8 inches from Bountiful north to Ogden, 4 to 9 inches in the Salt Lake and Tooele valleys, and 5 inches in Utah, Juab, and Millard counties. Three to five foot drifts were reported in the Cache Valley and 2 to 4 foot drifts in the western portion of the Salt Lake Valley. 15,000 homes in Davis and Weber counties were without power for several hours early Sunday.									
Salt Lake, and Weber Counties	11 & 12	1800MST to 1700MST			0	0	0	0	Heavy Snow
Heavy snow fell in the Wasatch Mountains in Salt Lake and Weber counties during this period. Storm totals included 23 inches at Alta ski resort, 21 inches at Solitude, and 15 inches at Snow Basin.									
Iron and Garfield Counties	18 & 19	2100MST to 0900MST			0	0	0	0	Heavy Snow
Heavy snow occurred over a portion of Southwestern Utah during this Monday evening and Tuesday morning. Storm totals include 18 inches at Brian head ski resort, 12 inches at Cedar Breaks National Monument, 4 to 6 inches at Panguitch, and 2 to 4 inches at Cedar City.									
Box Elder, Cache, Davis, Salt Lake, Tooele, Utah, and Weber Counties	21	1030MST to 1600MST			0	0	0	0	High Wind
A blustery Pacific cold front produced strong winds and heavy snow across Northwestern Utah on this Thursday. Peak wind gust reports included 58 mph at the University of Utah, 56 mph at Provo and Dugway proving ground, 49 mph at Wendover, and 43 mph at the Salt Lake City International Airport.									
Beaver, Cache, Davis, Iron, and Millard Counties	25	0800MST to 1900MST			0	0	0	0	High Winds & Heavy Snow
Strong prefrontal winds gusted to as high as 59 mph in Southwestern Utah on this Monday. Some reported peak gusts included 59 mph at Milford, 51 mph at Cedar City, and 48 mph at Delta. Snowfall accumulations included 5 to 6 inches at Bountiful, 3 to 4 inches in the Cache Valley, and 6 to 8 inches at the ski resorts.									
Cache, Garfield, Iron, Kane, Millard, San Juan, Sevier, Summit, Tooele, and Utah Counties	27	0000MST to 1900MST			0	0	4	0	High Winds & Heavy Snow
An active cold front produced strong winds and heavy snow across much of the state on this date. Some peak wind gusts included 73 mph in the Cache Valley, which knocked a house under construction off its foundation. Other reports included 65 mph at Tooele, 61 mph at Provo, 53 mph on Lake Powell, and 51 mph at Milford. Snowfall amounts included 14 inches at Clear Creek, 12 inches at Minersville, 8 to 10 inches in the Richfield area, and 2 to 8 inches in the Park City/Deer Valley area.									
43 VERMONT									
Statewide	04	PM			0	9	5	0	Snowstorm
Snow, sometimes heavy, fell across the State of Vermont. Freezing rain mixed with the snow near the end of the storm. The snow at times cut visibility to near zero. Several accidents were reported during the storm, as well as power outages.									
44 VIRGINIA									
Northern Virginia	12	1000-2300 EST			0	13	4	0	High Winds
A cold front swept through the Mid Atlantic states early Tuesday with high winds that persisted into the night. The winds were typically 30 to 40 mph with gusts as high as 60 mph. The high winds knocked down construction walls, blew out windows and sheared off tree limbs. A warehouse under construction at Manassas Park was blown over, injuring 8 construction workers, 3 critically and one seriously. Another cinderblock wall under construction in Fairfax County was knocked down, injuring the bricklayer. Several large windows were knocked out of a high rise building in Tysons Corner, injuring 2 more people by flying glass. In addition, several aircraft had to be diverted from National Airport to BWI and Dulles due to the high winds.									
City of Richmond, Chesterfield County, Henrico County, New Kent County and York County	30	1625-1800 EST			0	0	5	0	Thunderstorm Winds, Funnel Cloud, Hail
Scattered heavy thunderstorms formed south of a slow-moving cold front across central and southern Virginia from northwest of Richmond to near Newport News. The thunderstorms moved through Richmond and surrounding counties with very heavy rain, hail to quarter size and a funnel cloud. The thunderstorms' accompanying winds of over 40 mph tore the roof off a warehouse, knocked down a cinderblock wall and blew an 18 foot boat on top of a car. Several other buildings were also damaged by the winds. As the thunderstorms moved southeast down the James River and peninsula, the roof was blown off of a house in New Kent County and a truck was blown off the highway into a utility pole in Richmond. The thunderstorms moved into York County with hail and high winds, damaging several trailers and a house as large trees were blown over and snapped off. The Big Bethel Firing Range was also struck by the high winds, with several steel top tables being picked up and blown about 50 feet and other steel tables destroyed. A piece of concrete at the range that weighed about 15 pounds was thrown 50 feet.									
45 WASHINGTON									
Lexington, Cowlitz County	28	1630PST	0.2	20'	0	0	4	0	Tornado (F1)
Residents of a mobile home park reported a tornado that touched down briefly and skipped along the ground through the park. The event was characterized by a "deafening roar" and a "black, whirling funnel". A carport roof was peeled off and twisted into a ball of metal. A patio deck of another home was lifted several times and displaced 18 inches.									
46 WEST VIRGINIA ————— NONE REPORTED									
47 WISCONSIN									
Statewide	03 & 04	into Afternoon hours			0	0	5	0	Heavy Snow, High Winds
A major winter storm brought a variety of severe winter weather conditions to all portions of the state. Over northwest Wisconsin between 10 and 19 inches of snow fell generally north of a line from LaCrosse to Wausau to Iron Mountain, Michigan. Winds, gusting at times to 60 mph, caused near blizzard conditions which quickly closed roads, hampered snow plowing operations and created numerous power outages. Heavier snow amounts included Baldwin (St Croix county) 19 inches, Eau Claire (Chippewa county) 18 inches, Park Falls (Price county) 17 inches, and Wausau (Marathon county) 14 inches. Over the southern and eastern portions of the state snow amounts of 2 to 10 inches were whipped around into 1 to 3 foot drifts by high winds. In addition, a mixture of sleet and freezing rain accompanied the snow in southwest Wisconsin, with widespread power outages occurring. The strong winds blowing off of Lake Michigan produced waves and ice which tore out large sections of a sea wall near Milwaukee's Summerfest grounds, causing \$230,000 damage to the festival grounds. Other damage along the western shore of Lake Michigan included									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1985

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	
WISCONSIN									
Statewide	30	Nighttime hours			0	0	?	0	Heavy Snow
	31	Nighttime hours							Freezing Rain
	<p>A major spring storm brought heavy snow to north and west sections while the south and east received periods of freezing rain and sleet. Between 6 and 14 inches of heavy wet snow fell mainly north of a line from La Farge in Vernon county to Iron Mountain, Michigan. 14 inches were noted at Lake Thompson in Oneida county and 13 inches was deposited at Baldwin in St. Croix county. Brisk northwest winds caused considerable blowing and drifting snow which quickly closed several high-ways and impeded plowing operations. In the south and east, freezing rain coated many power lines and trees, causing numerous power outages. Roadways were also ice covered and sleet fell in many areas, causing next to impossible driving conditions.</p>								
48 WYOMING									
Teton County and Yellowstone National Park	1-2	Both days			0	0	0	0	Snow
	<p>A storm dumped heavy snow in the northwest part of the state. The South Entrance to Yellowstone National Park received 10 inches, while Teton Village, near Jackson in Teton County, received 9 inches of snow.</p>								
Laramie County	3	Early morning			0	0	?	0	Ice
	<p>Freezing rain near Cheyenne in Laramie County caused icy roads.</p>								
Lander, Fremont County	3	During day			0	0	0	0	Snow
	<p>Lander received 8 inches of snow from a storm which hit the west-central part of the state.</p>								
Campbell and Crook Counties	3	During day			0	0	0	0	Snow
	<p>A storm dumped heavy snow in the northeast part of the state. Six inches of snow were noted at Recluse in Campbell County, and 7 inches at Sundance in Crook County.</p>								
Campbell County	22	0400MST			0	0	3	0	Ice
	<p>Many power outages were reported due to lines broken by the buildup of ice from freezing rain.</p>								
Laramie, Carbon and Albany Counties	22	0900MST			0	0	0	0	High Wind
	<p>A wind gust to 56mph was logged at Cheyenne in Laramie County. Winds of from 40 to 50mph were also noted along Interstate 80 in Albany and Carbon Counties.</p>								
Teton County and Yellowstone National Park	26-27	Evening/Morning			0	0	0	0	Snow
	<p>Heavy snow fell in the northwest part of the state. Twelve inches were reported at Teton Village, near Jackson in Teton County. Seven inches fell at Old Faithful in Yellowstone National Park. Strong winds caused considerable blowing and drifting snow.</p>								
49 ALASKA, Northern ————— NO REPORT RECEIVED									
49 ALASKA, Southern ————— NO REPORT RECEIVED									
49 ALASKA, Southeastern									
Central Southeast Alaska	13				0	0	0	-	High Winds
	<p>Winds spawned by a small but intense North Pacific low pressure system reached almost 70 mph in downtown Juneau and to over 50 mph at other Central Alaska locations. No major damage was reported.</p>								
50 HAWAII									
All Islands	1-11				2	0	5	0	Wind, Surf
	<p>A strong high pressure system, at times having a central pressure exceeding 1050mb over the ocean areas far north of the Islands, caused trade winds of gale force strength, occasionally gusting near 50mph during an extended period early in the month. Inter-island barge traffic was seriously hampered with long delays and loss of several cargo containers. A barge which broke loose inside Honolulu Harbor slightly damaged a Coast Guard vessel. Surf along the windward shores reached heights of about 12 to 15 feet at times and caused some minor road damage mainly near Hilo and Kelepapa on the Island of Hawaii. Two persons were swept off rocky ledges on eastern Oahu and drowned in the surf.</p>								
Hawaii	11	0500-1500HST			0	0	4	0	Flash Flooding, Heavy Snow
	<p>Heavy rain showers over the windward districts of Hamakua, Hilo and Puna caused widespread minor flash flooding. At the same time, heavy snow fell on Mauna Kea and Mauna Loa, with depths in excess of 18 inches and drifts as deep as 5 feet.</p>								
Hawaii	24	1500-2000HST			0	0	4	0	Wind
	<p>Strong easterly winds buffeted the North Kona slopes of the Big Island. A number of utility lines were blown down in the lower Waikoloa area, and a building in Puako lost its roof.</p>								
51 PUERTO RICO ————— NONE REPORTED									
52 VIRGIN ISLANDS ————— NONE REPORTED									
53 PACIFIC ————— NONE REPORTED									

REFERENCE NOTES

† Storm damage categories are 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

- * Miles instead of yards
- ** Yards instead of miles
- @ Includes heavy sleet storm
- # Freezing drizzle and freezing rain, commonly known as glaze
- ≠ Not received or incomplete
- o/c Under Estimated Damage, Property/Crops, indicates crop damage amount is included in the figure given

Definition of Fujita Tornado Scale (F scale)

(F0) Gale tornado (40-72 mph): Light damage
Some damage to chimneys; break branches off trees; push over shallow-rooted trees; damage sign boards.

(F1) Moderate tornado (73-112 mph): Moderate damage
The lower limit (73 mph) is the beginning of hurricane wind speed; peel surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads.

(F2) Significant tornado (113-157 mph): Considerable damage
Roofs torn off frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light-object missiles generated.

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

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

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

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

(F0+F1) Weak Tornado

(F2+F3) Strong Tornado

(F4+F5) Violent Tornado

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