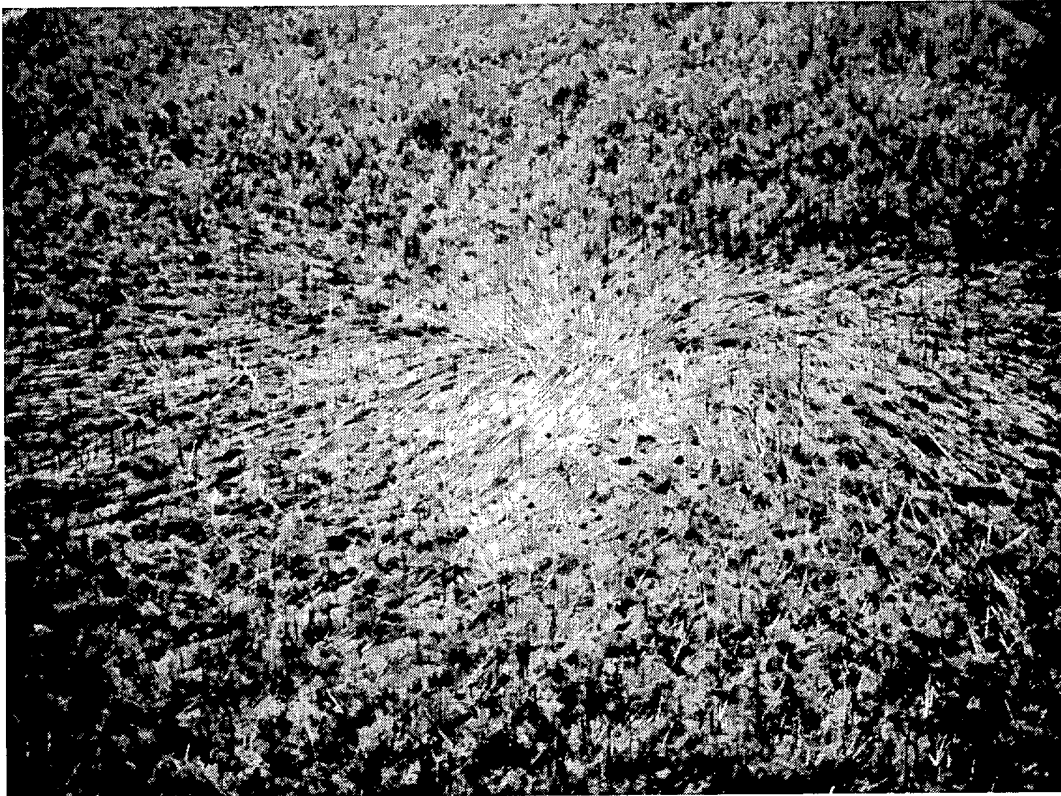


MARCH 1984

VOLUME 26

NUMBER 3

STORM DATA



"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM INFORMATION RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, N.C. 28801"

L. Ray Hoxit
ACTING DIRECTOR

NATIONAL CLIMATIC DATA CENTER

This publication is funded by the
National Oceanic and Atmospheric Administration and the Federal Emergency Management Agency

noaa

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE,
DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, N.C.

C O N T E N T S

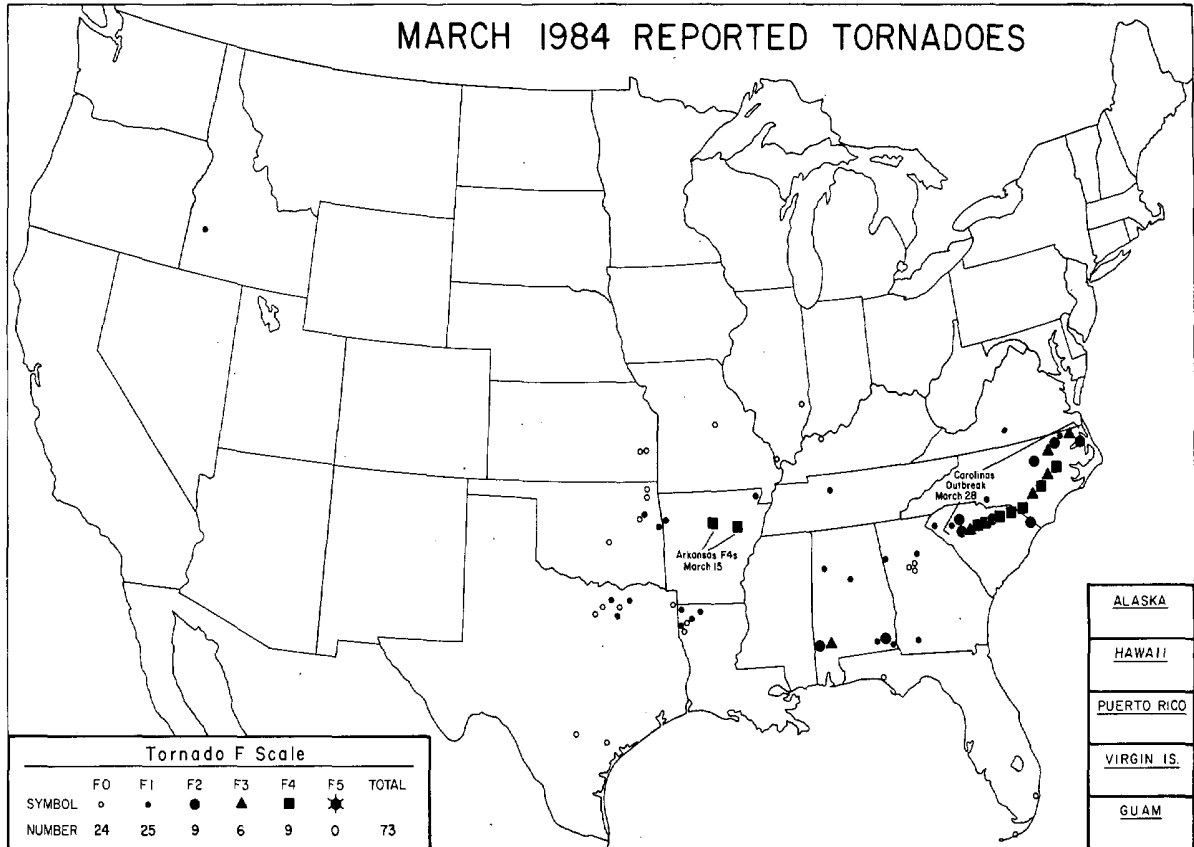
	<u>Page</u>
Outstanding Storms of the Month.....	3
Storm Data and Unusual Weather Phenomena.....	20
Storm Summary.....	44
Reference Notes.....	45
"F" Scale Definitions.....	45

Cover: Trees blown down in a spiral pattern near Faison, North Carolina. The giant spin-up mark, photographed looking southwest on March 31st, was left by the Mount Olive Tornado of March 28th (see Tornado Outbreak in the Carolinas, pages 5-12). ---Photo by Grant W. Goode, National Climatic Data Center.

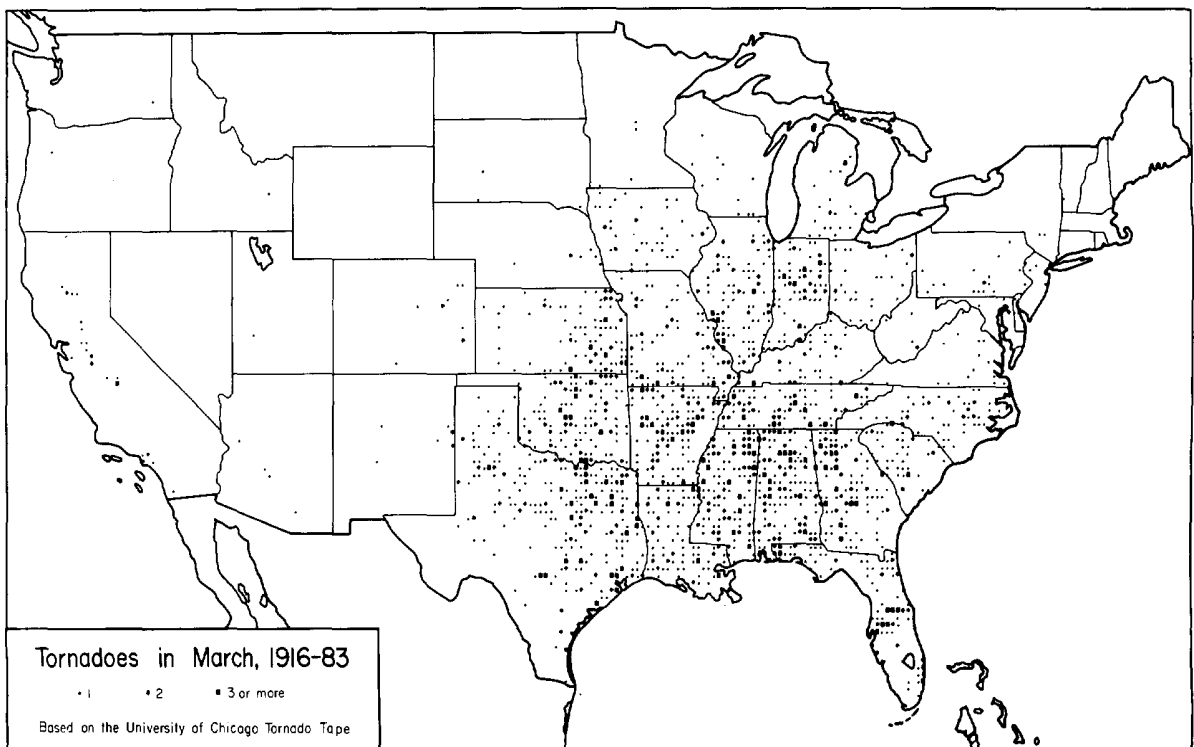
NOTE: The section on Outstanding Storms of the Month is prepared by Professor T. Theodore Fujita, editor, and Duane J. Stiegler, associate editor, University of Chicago. The narrative descriptions of Storms by State and Summaries of Hurricanes and Tropical Storms are prepared by the National Weather 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.

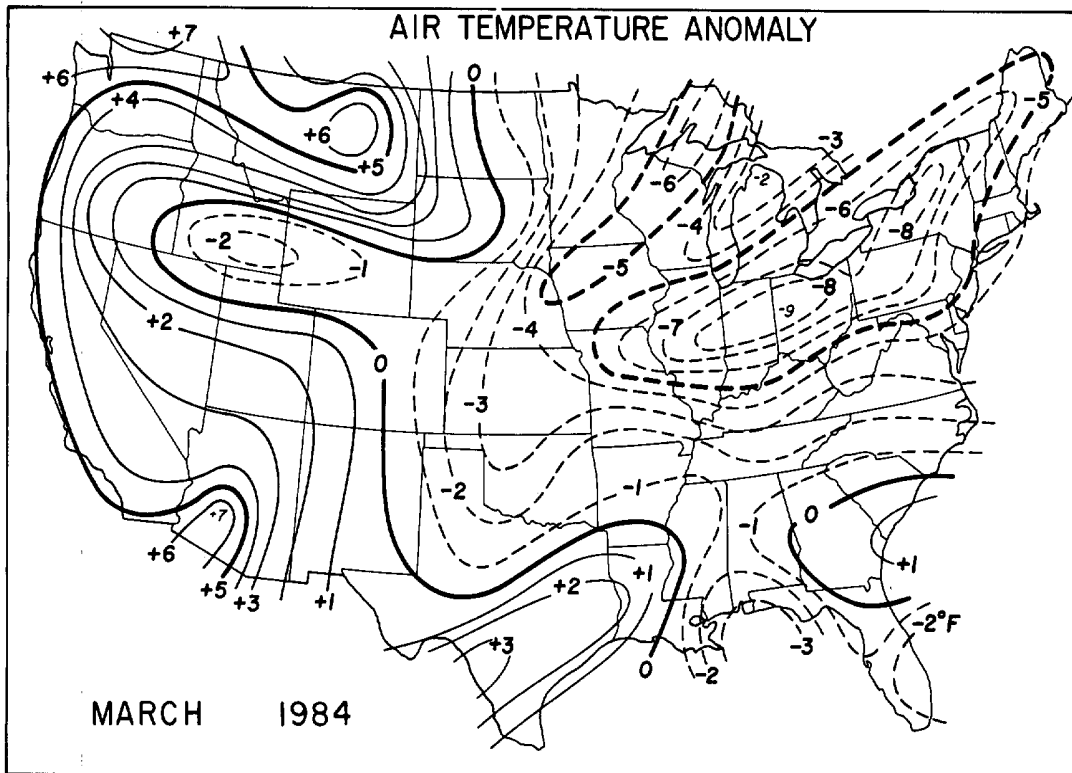
STORM DATA - (ISSN 0039-1972) is published monthly. Subscription, pricing, and ordering information is available from: Publications Section (E/CC413), The National Climatic Data Center, National Environmental Satellite, Data, and Information Service, NOAA, Federal Building, Asheville, NC 28801-2696.

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%; border-collapse: collapse;"> <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)	
● 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)																																																									

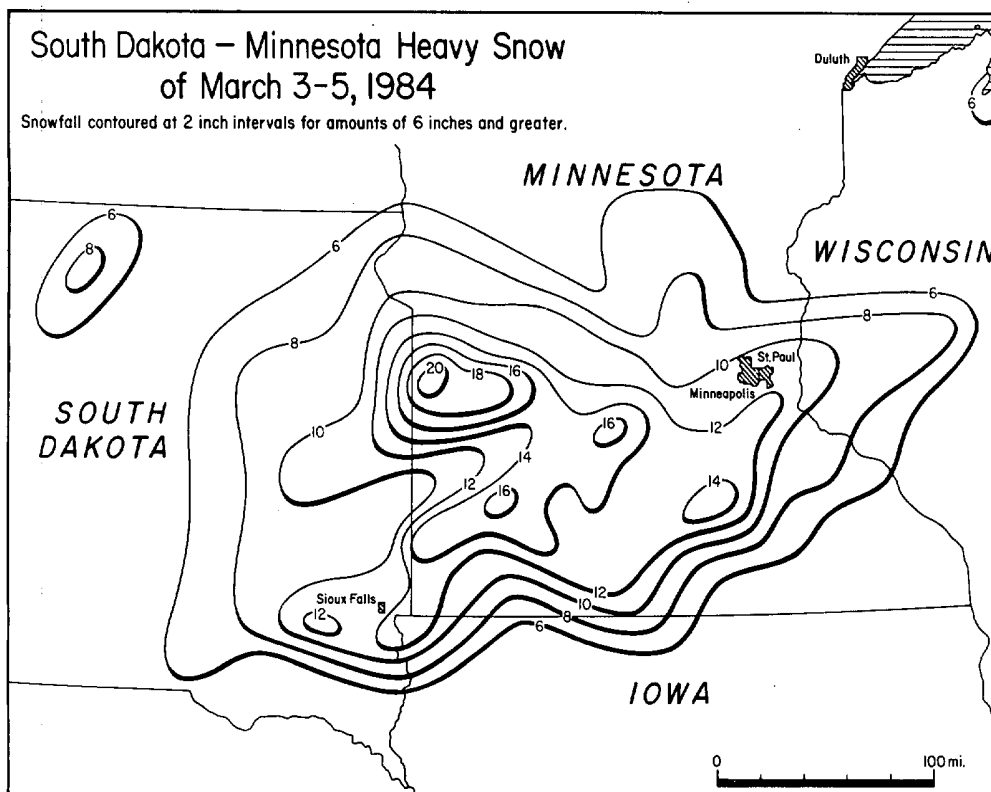




---Data base from NOAA/USDA Joint Agricultural Weather Facility.

1. HEAVY SNOW in SOUTH DAKOTA and MINNESOTA on March 3-5, 1984

A snowstorm dropped up to 20 inches of wet, heavy snow over the southern half of Minnesota and extreme eastern South Dakota on March 3rd through the 5th. Strong northwest winds of up to 40 mph accompanied the storm, causing many roads to be closed due to drifting snow. ---Data supplied by NWSFOs at Sioux Falls, South Dakota and Milwaukee, Wisconsin; and by the Minnesota State Climatology Office.



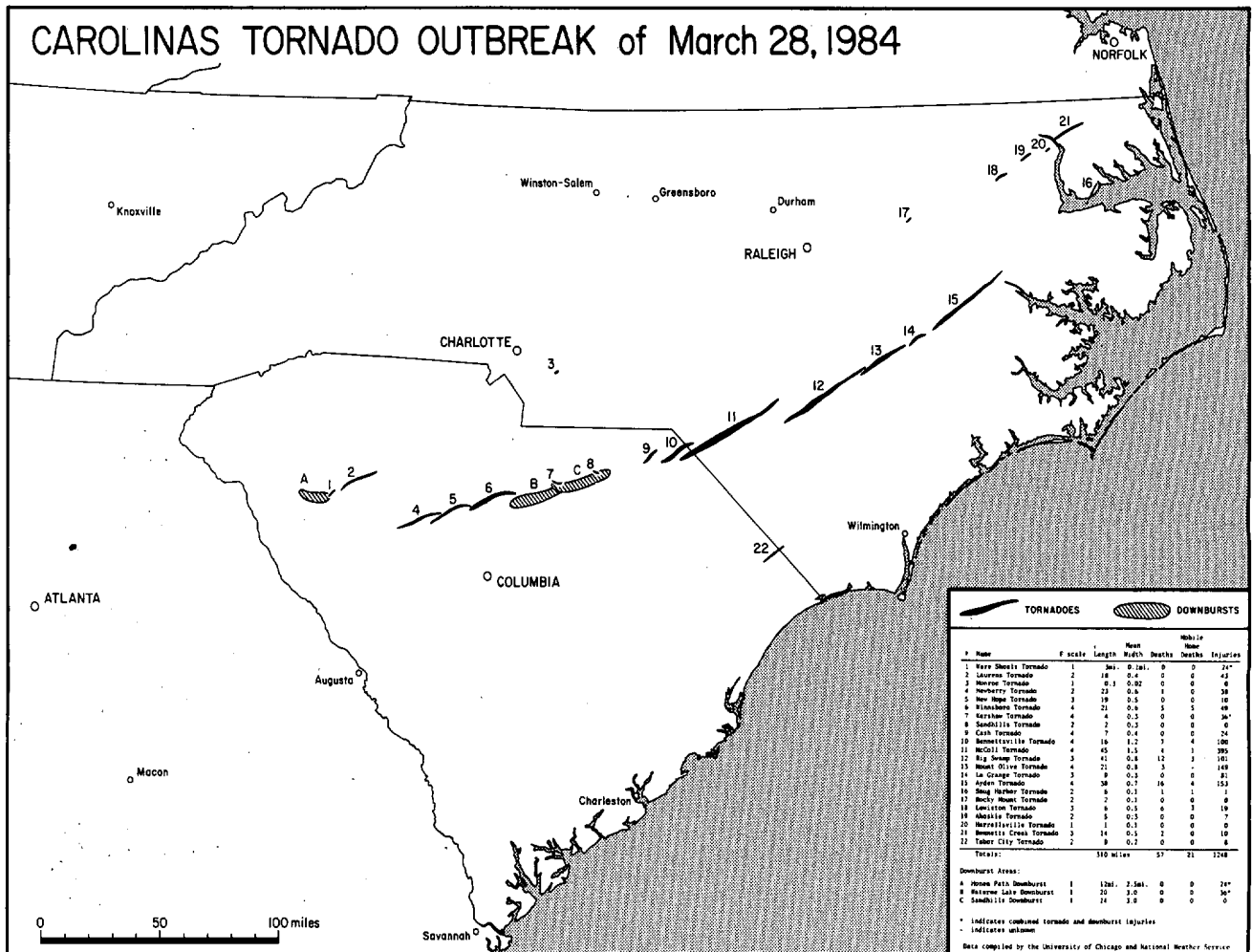
2. LOW PRESSURE SYSTEM over the EASTERN U.S. on March 28-29, 1984

A strong low pressure system intensified over the eastern U.S. on March 28th and 29th producing a wide variety of severe weather throughout the region. The storm was responsible for an outbreak of tornadoes in the Carolinas, strong gusty winds in New England, new all-time, low pressure records for many stations, a microburst in Massachusetts, heavy snow in the mountains of New York and Pennsylvania, and coastal erosion and flooding along the eastern seaboard to name a few. Some of these events are featured on the following pages.

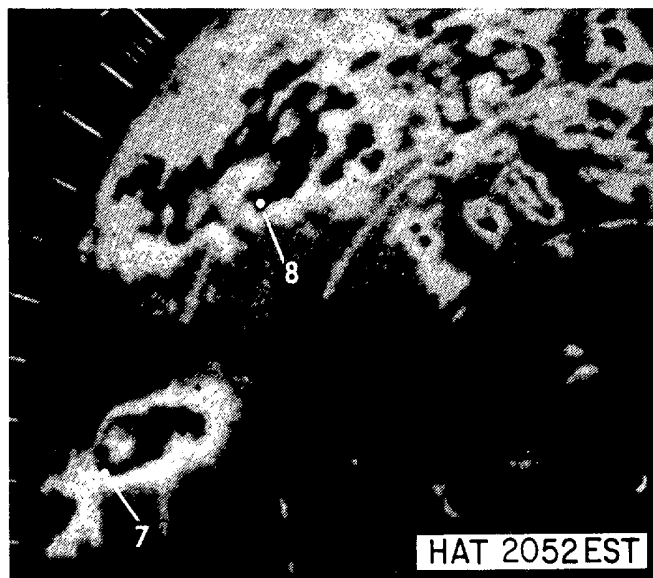
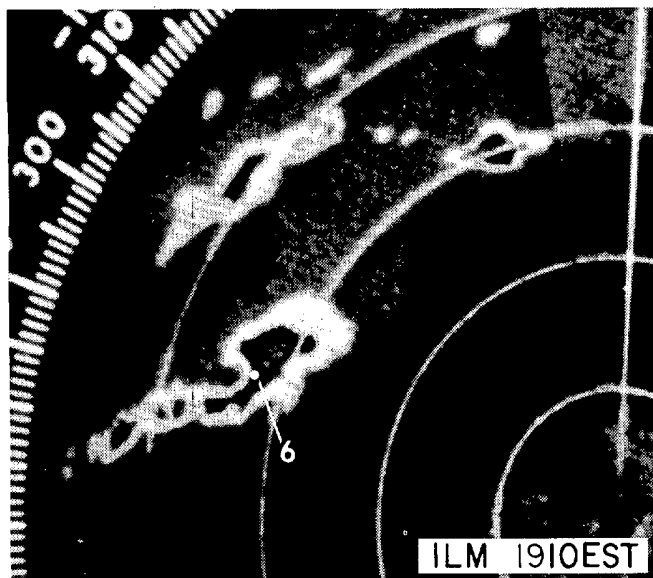
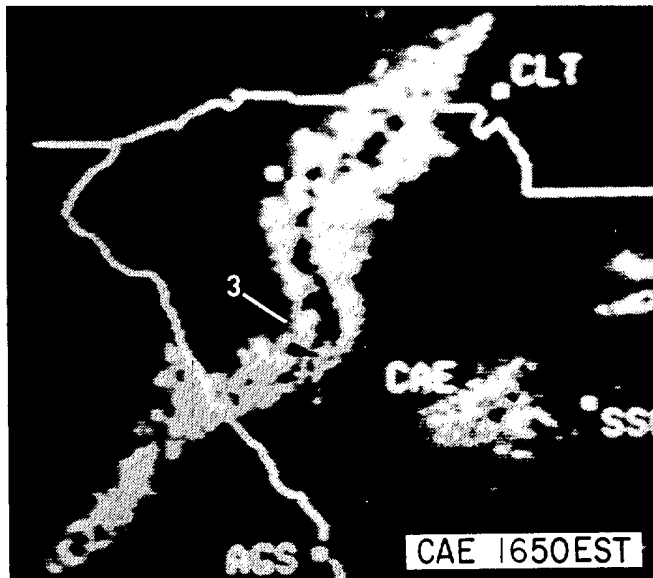
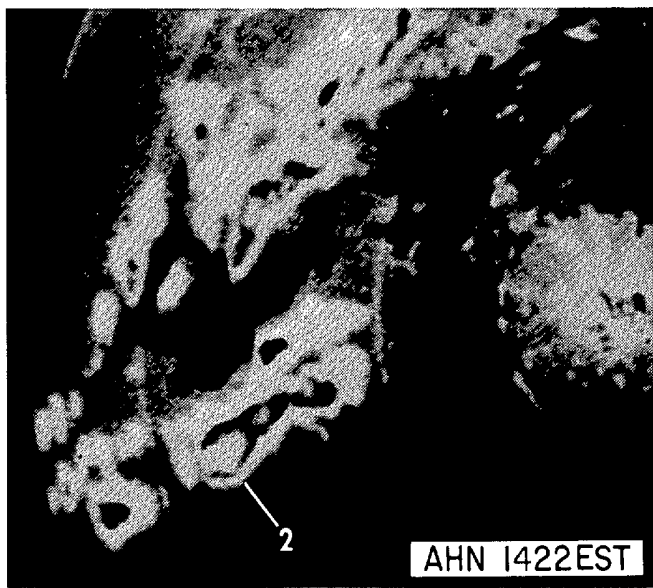
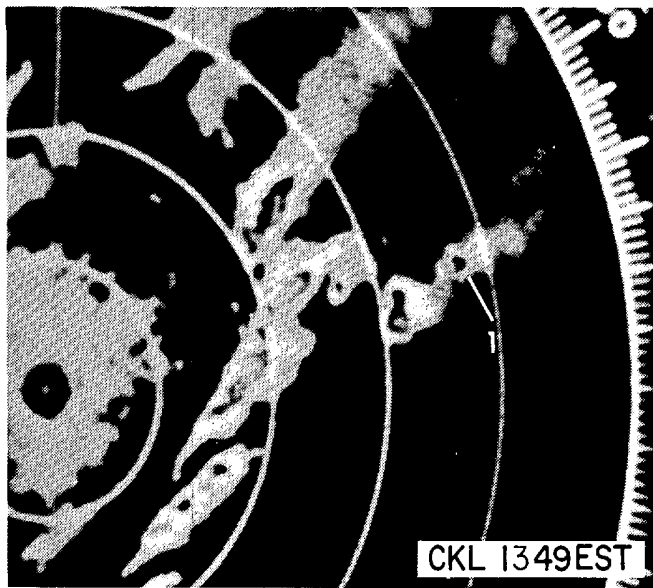
2a. TORNADO OUTBREAK in the CAROLINAS on March 28, 1984

During a 6-hour period in the late afternoon and early evening of March 28th, a strong line of thunderstorms produced 22 tornadoes in North and South Carolina. Of the 22 tornadoes, 7 were F4 in strength, 5 F3, 7 F2, and 3 were F1. The path lengths varied from less than a mile to 45 miles, and totaled 310 miles. The longest tornado path (#11, McColl Tornado) was also the widest, with a mean width of 1.5 miles and maximum width of 2.5 miles. Many of the paths followed each other along lines indicating that the tornadoes were of a family type (spawned one after another by the same parent thunderstorm). One tornado (#16, Snug Harbor) began as a waterspout over Albemarle Sound. In South Carolina the tornadoes were accompanied by 3 large downburst areas, each producing F1 damage.

The total number of deaths for the two states from these tornadoes was 57, 21 of which (37%) occurred in mobile homes. 1,248 people were injured.

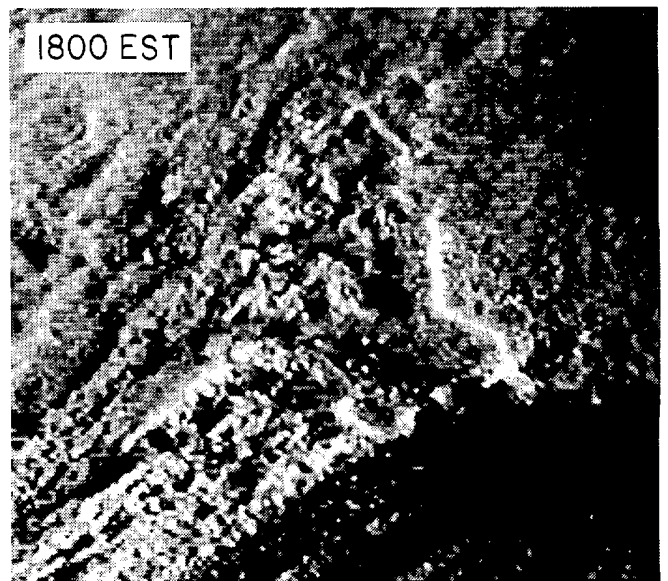
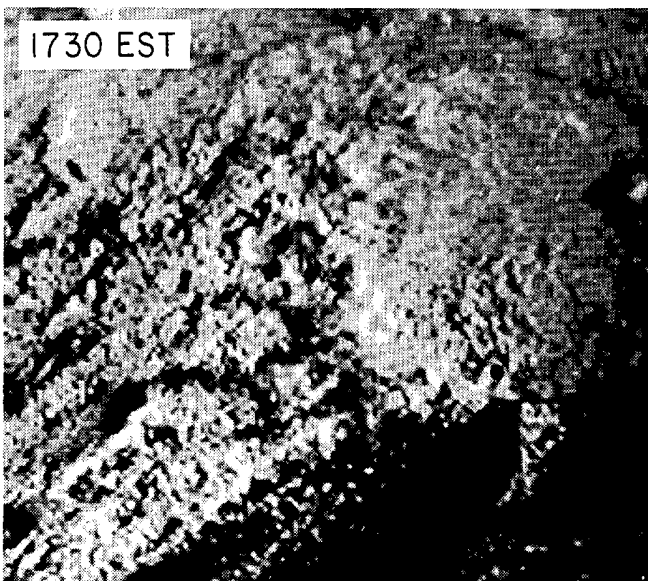
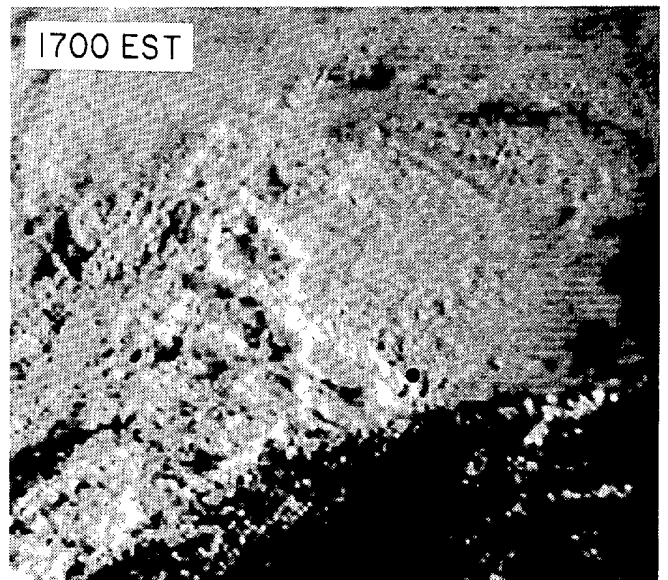
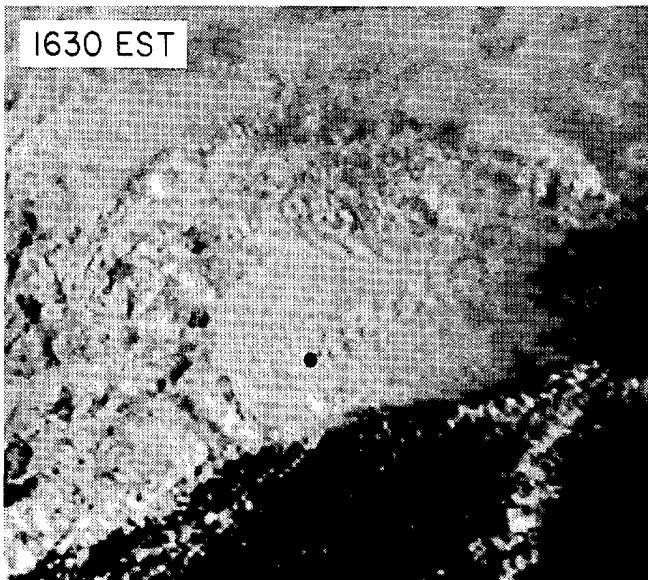
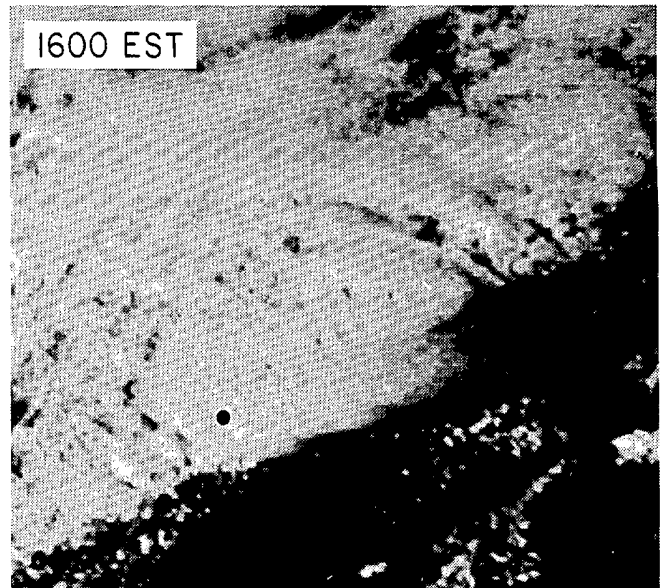
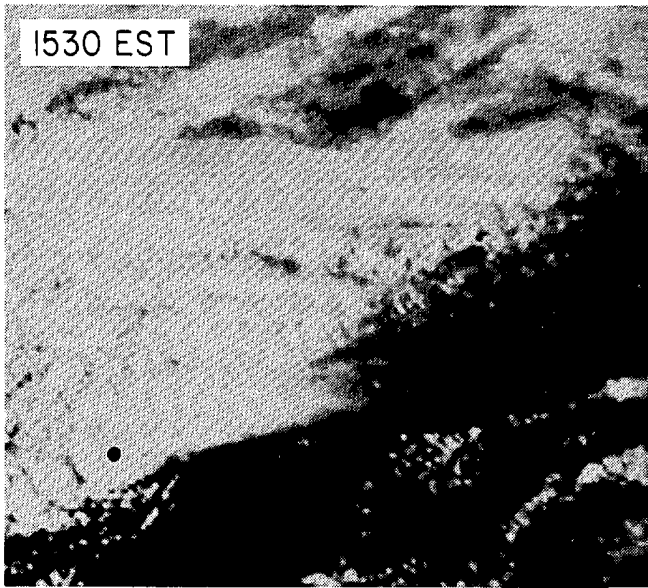


TORNADO OUTBREAK in the CAROLINAS ---- continued



Six radar pictures showing the parent echos of the Carolina tornadoes. 1--20 minutes after the first echo, 2--parent echo 28 miles WSW of Atlanta, Ga., 3--bow echo in its mature stage, 4--Laurens tornado on the ground, 5--Newberry tornado formed 10 miles to the east, 6--McColl tornado on the ground, 7--LaGrange tornado on the ground, 8--Lewiston tornado on the ground. ---Photos from National Weather Service radars.

TORNADO OUTBREAK in the CAROLINAS ---- continued



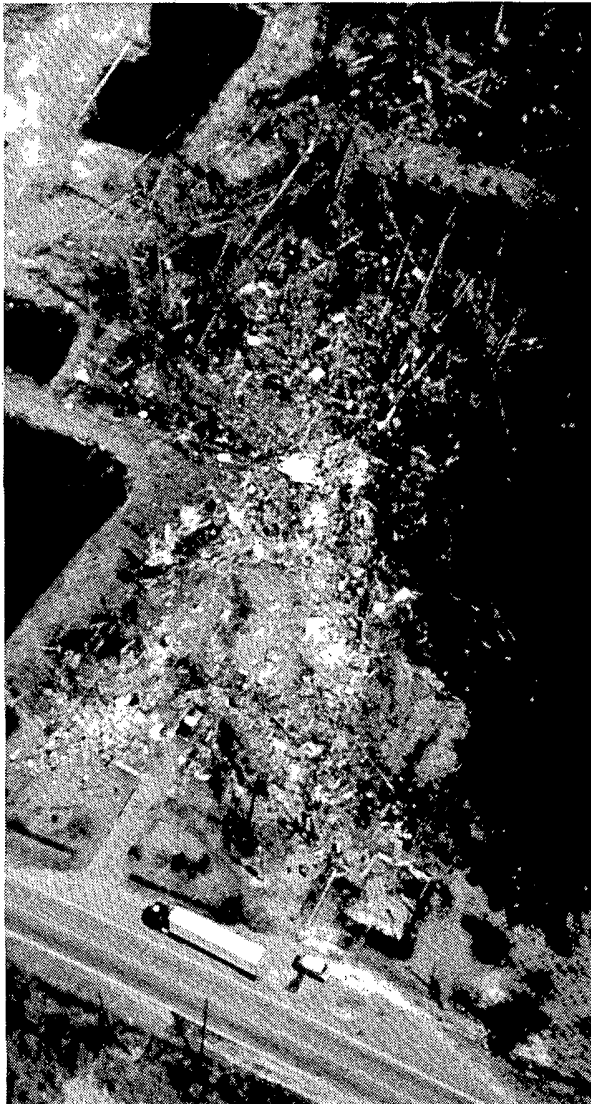
GOES East satellite, visible pictures showing the parent storm of the Carolina tornadoes. 1530EST--Storm is located 10 miles west of Athens, Ga., 1630--20 miles east of Athens, 1630--shortly before the formation of the Ware Shoals tornado, 1700--Newberry tornado on the ground, 1730--Winnsboro tornado on the ground, 1800--Kershaw tornado on the ground. ---Photos by Jim Purdom, NOAA/Colorado State University.

TORNADO OUTBREAK in the CAROLINAS ---- continued

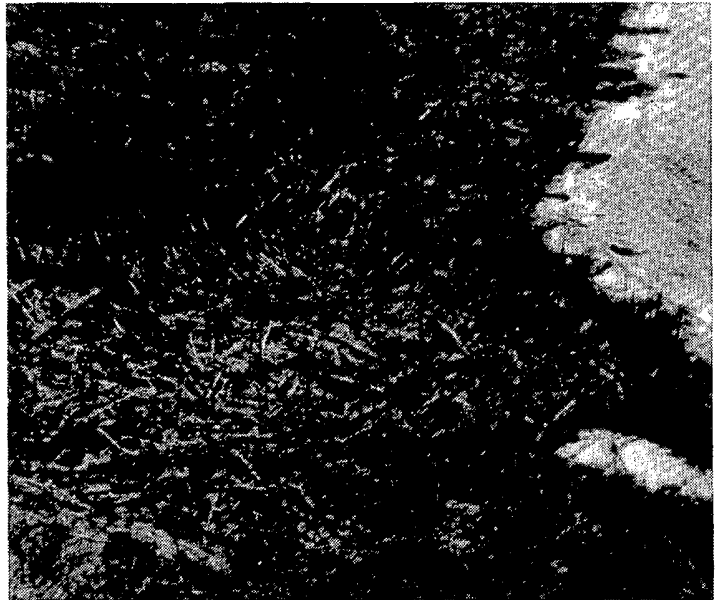


---All damage photos on pages 8 to 12 by Duane J. Stiegler, University of Chicago, except where noted.

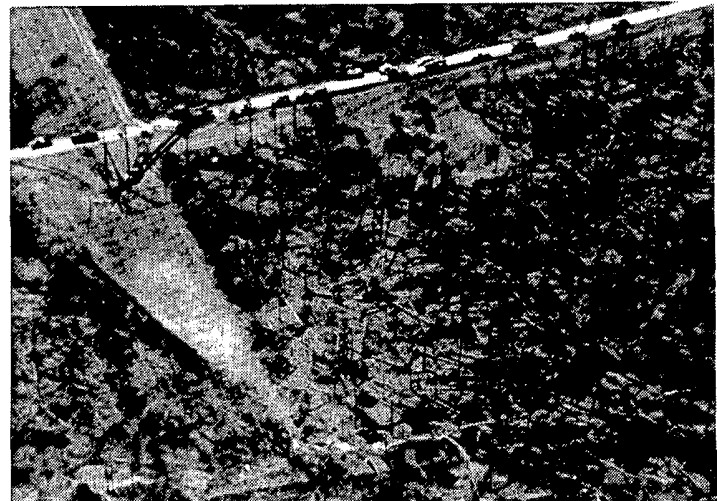
Trees felled in a herringbone pattern by the Cash Tornado (#9 on map) at Cash, SC.



F4 damage along US Highway 52 at Cash. A house and mobile home were thrown from their resting places and reduced to rubble.

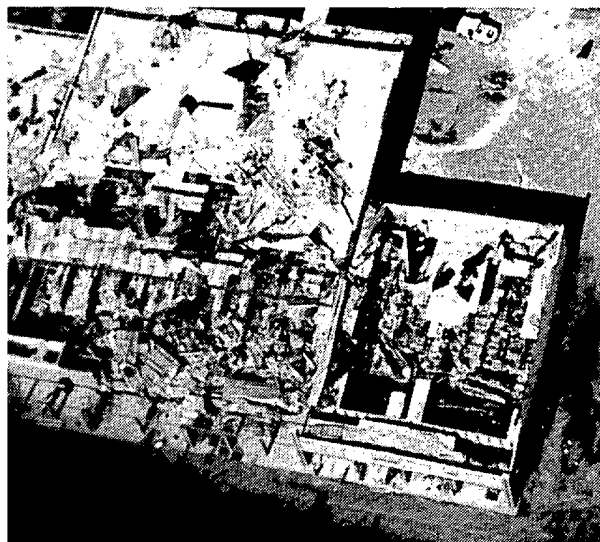


A section of forest where every tree was uprooted or snapped off by the Cash Tornado.



High voltage power lines under repair near Cash.

TORNADO OUTBREAK in the CAROLINAS ---- continued



Overall and close up views of a shopping center on the north side of Bennettville, SC (Tornado #10 on map). The tornado struck the center from the front side.



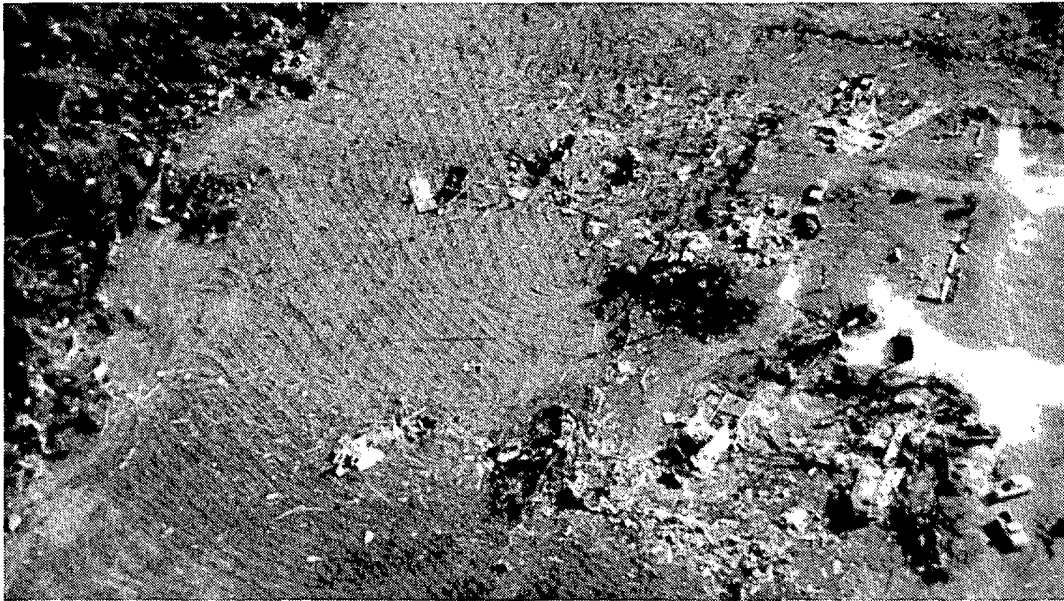
Two sections of a Bennettville apartment complex showing 2-story units that had roofs blown off.

Large uprooted trees in a residential area of Bennettville.



F2 (lower left) to F4 (upper right) damage done by the Bennettville Tornado along a street at Lester, SC.

TORNADO OUTBREAK in the CAROLINAS ---- continued



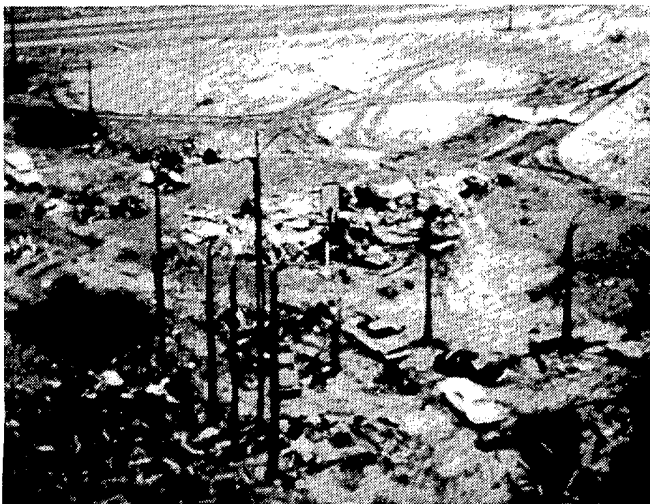
A mobile home park in Lester where 4 fatalities associated with the Bennettsville Tornado occurred.



Snapped off trees near Bennettsville.



A house near Adamsville, SC that was dismantled by the Bennettsville Tornado.



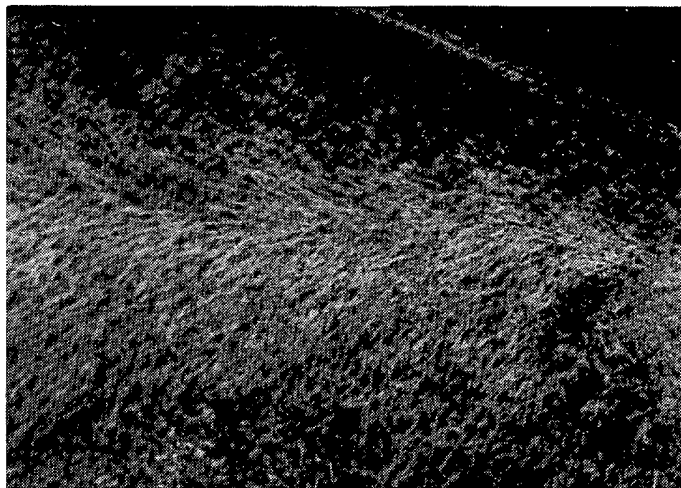
F3 damage to a frame home along NC Route 53 near the beginning of the Big Swamp Tornado (#12 on map).



Mobile home park in a weak frame house area on the north edge of Lewiston where all 6 fatalities occurred (#18 on map).

---Both photos above by Jim Purdom, NOAA/Colorado State University.

TORNADO OUTBREAK in the CAROLINAS ---- continued



LEFT: The path in this photo, taken 3 weeks after the Big Swamp Tornado (#12 on map), is made visible by the discoloration of dead vegetation. The tornado moved from lower left to top right. RIGHT: Enlargement of the area at the arrow in the left photo.

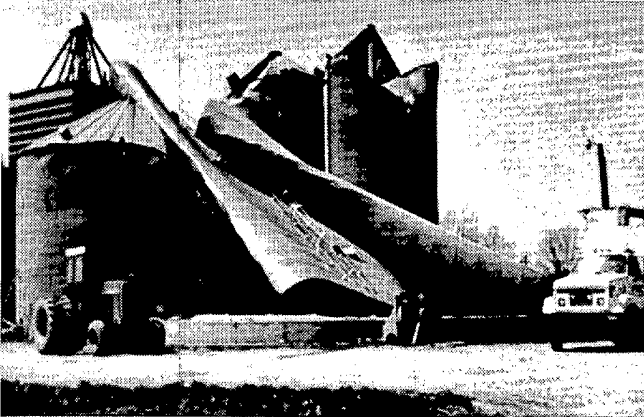


LEFT: A turkey farm near Salemburg, NC where only one small structure remained after the Big Swamp Tornado. ---Photo by James Partacz, University of Chicago.

BELOW: Vertical view of a giant spin-up mark (see cover photo) left by the Mount Olive Tornado (#13 on map) in a forest near Faison, NC. The tornado moved from left to right and spun up at the right edge of the photo. ---Photo by the North Carolina Department of Transportation.



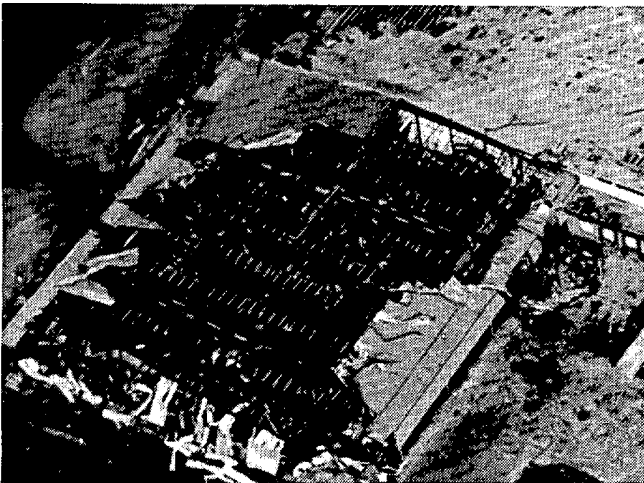
TORNADO OUTBREAK in the CAROLINAS ---- continued



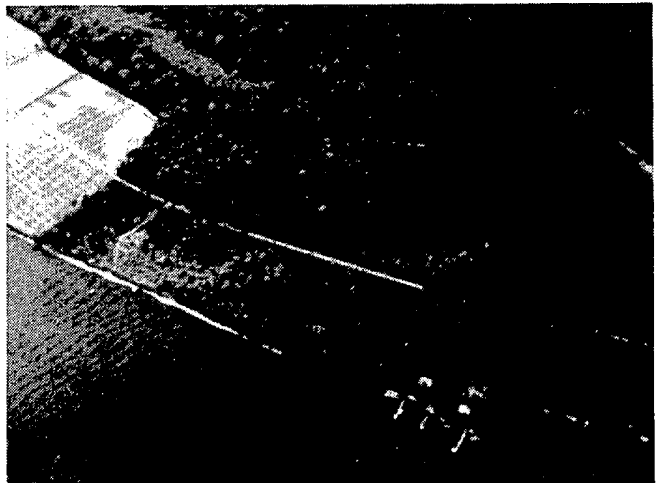
Grain silos crushed by the Mount Olive Tornado (#13 on map).



A bent mobile home frame after having been tossed about by the Mount Olive Tornado.



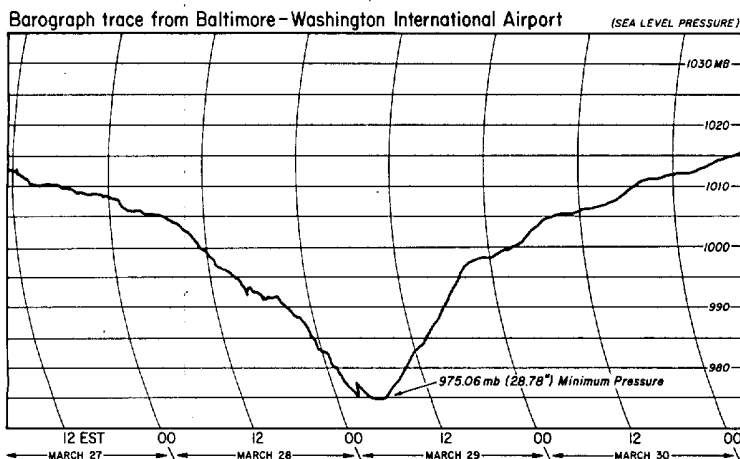
A Mount Olive factory with roofing peeled off. ---Photo by Brian Waranauskas, University of Chicago.



A portion of the Snug Harbor tornado path where it came ashore after starting as a waterspout over Albemarle Sound (#16 on map).

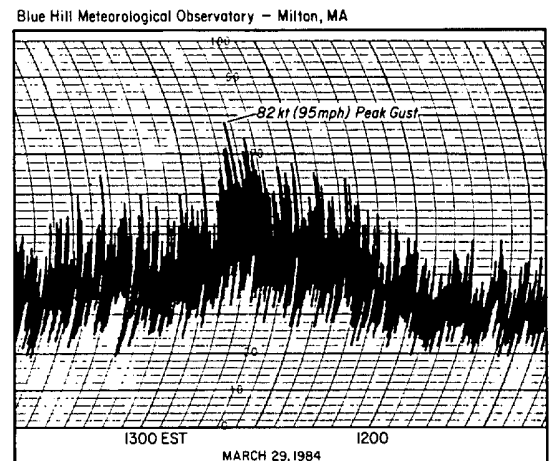
2b. RECORD LOW PRESSURE at BALTIMORE, MD
on March 29, 1984

Baltimore-Washington International Airport recorded a new low pressure record for March of 975.06mb or 28.78"Hg on March 29th. ---Barograph trace from NCDC.



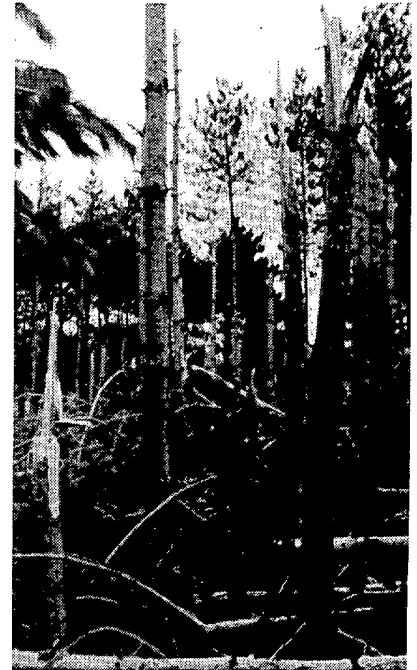
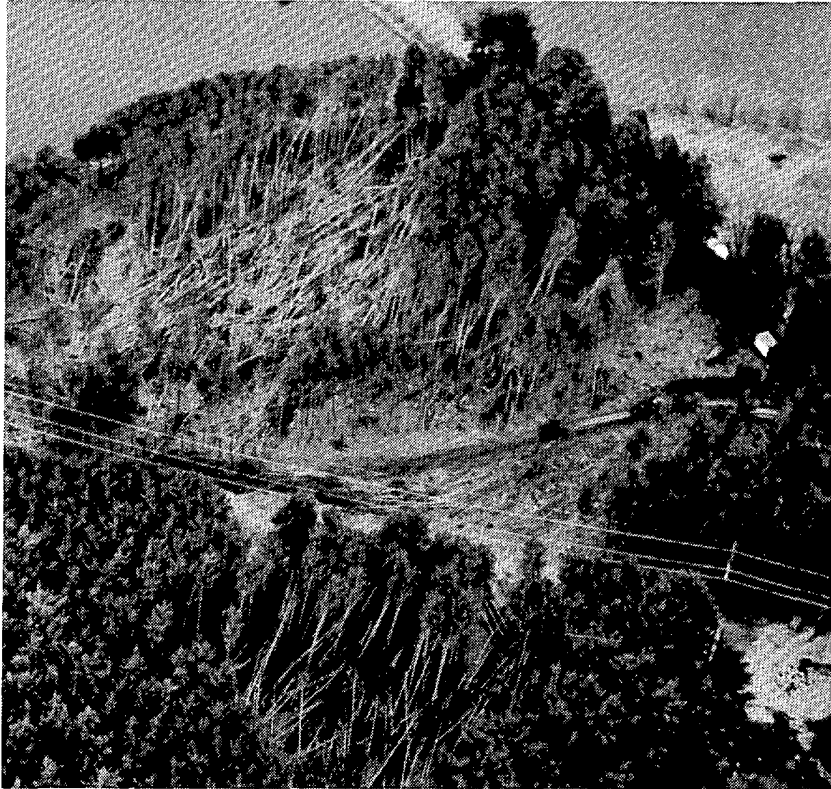
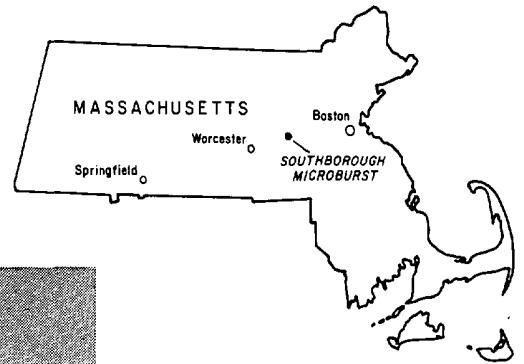
2c. HIGH WINDS at MILTON, MA
on March 29, 1984

High winds produced a peak gust of 82kts* (95mph) from the ENE at Blue Hill Observatory near Boston, MA. A second anemometer at the site recorded a 108mph gust. ---Trace from Blue Hill Met. Obs., Milton, MA. * +4kts correction factor.



2d. MICROBURST at SOUTHBOROUGH, MASSACHUSETTS on March 29, 1984

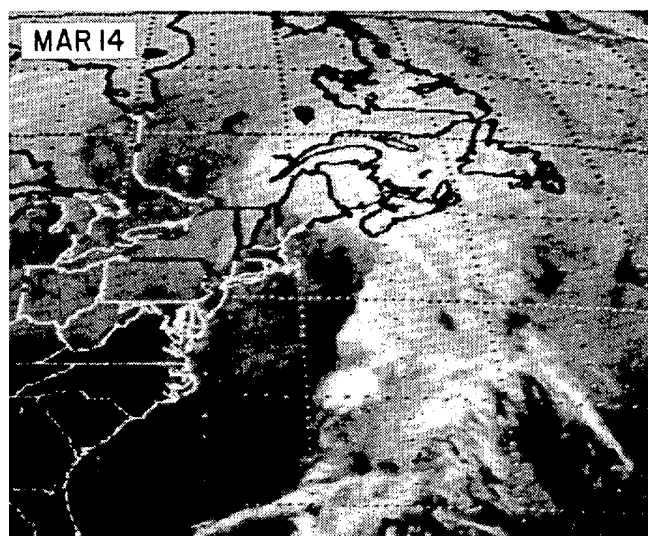
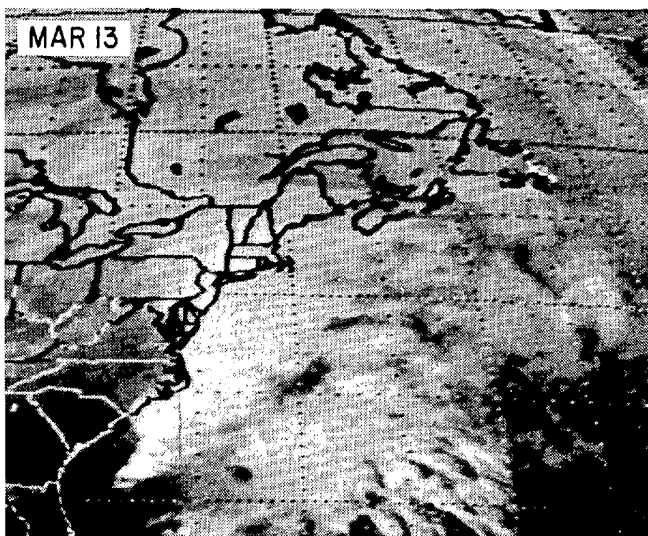
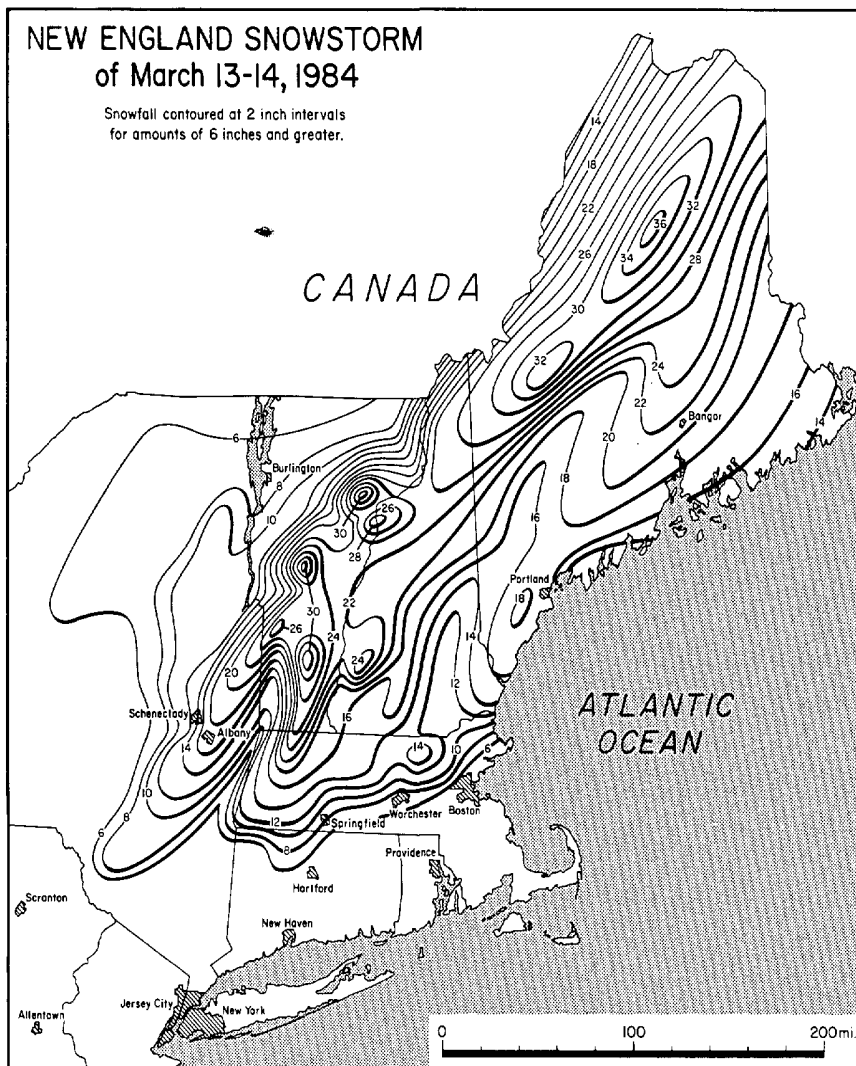
As the major cyclone moved northeastward over the Atlantic on March 29th, a thunderstorm produced a microburst at Southborough, MA. It felled 4 to 5 acres of red pine trees, either uprooting them or shearing them off at a height of about 20 feet off the ground. Most of the trees fell toward the southwest.



---All photos by Thomas J. Holmes, NWSO Worcester, Massachusetts.

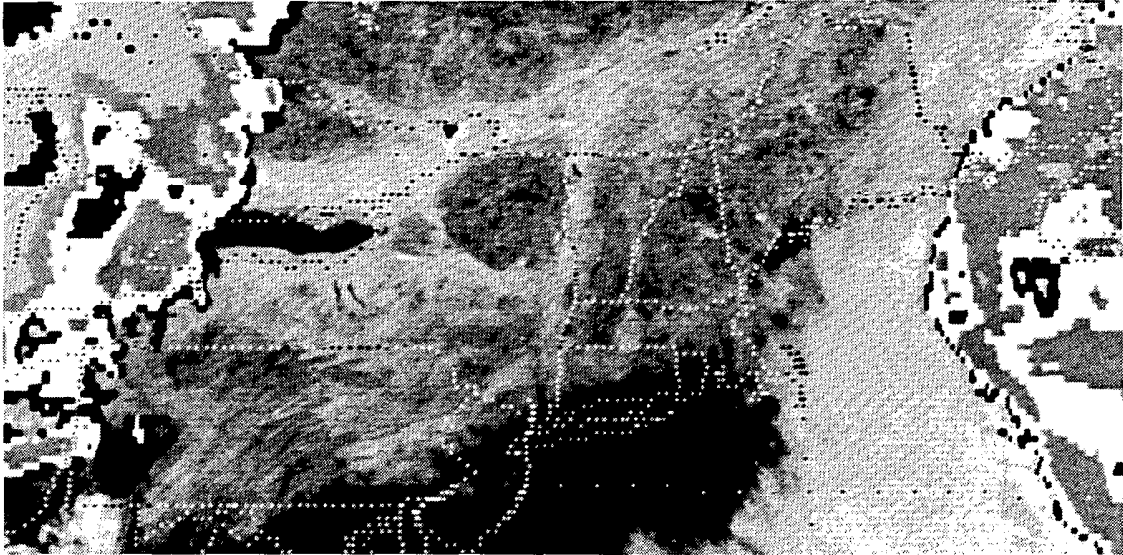
3. HEAVY SNOW in NEW ENGLAND on March 13-14, 1984

On March 13th and 14th a strong winter storm moved up the east coast and dumped up to 3 feet of snow on New England. Heaviest amounts were recorded at the higher elevations in Vermont, New Hampshire and Maine. Telos Lake, Maine, about 100 miles north of Bangor, received the maximum amount of 36 inches. ---Data supplied by NWSFOs at Portland, Maine; Boston, Massachusetts; and Albany, New York.



The 24-hour movement and changing cloud pattern of the storm are shown in two GOES East satellite, infrared images, each taken at 1330 EST. ---Photos from NESDIS.

HEAVY SNOW in NEW ENGLAND ---- continued



A GOES East satellite, combined visible and infrared image shows the snow cover over the northeastern states at 1000 EST on March 15th as the snowstorm departs over the Atlantic Ocean. Pine forests make areas such as the Adirondacks in upper New York appear darker than the surrounding area. ---Photo from NESDIS.

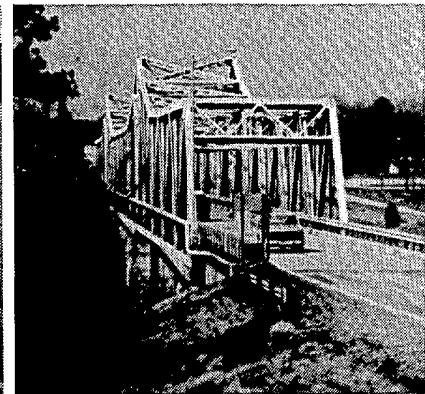
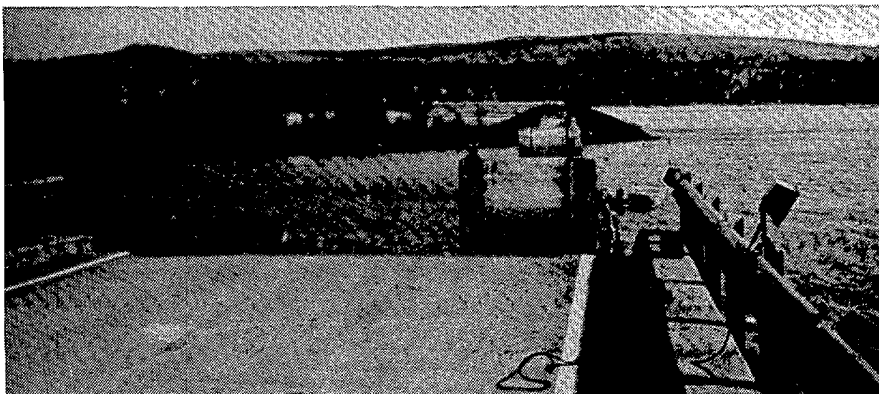
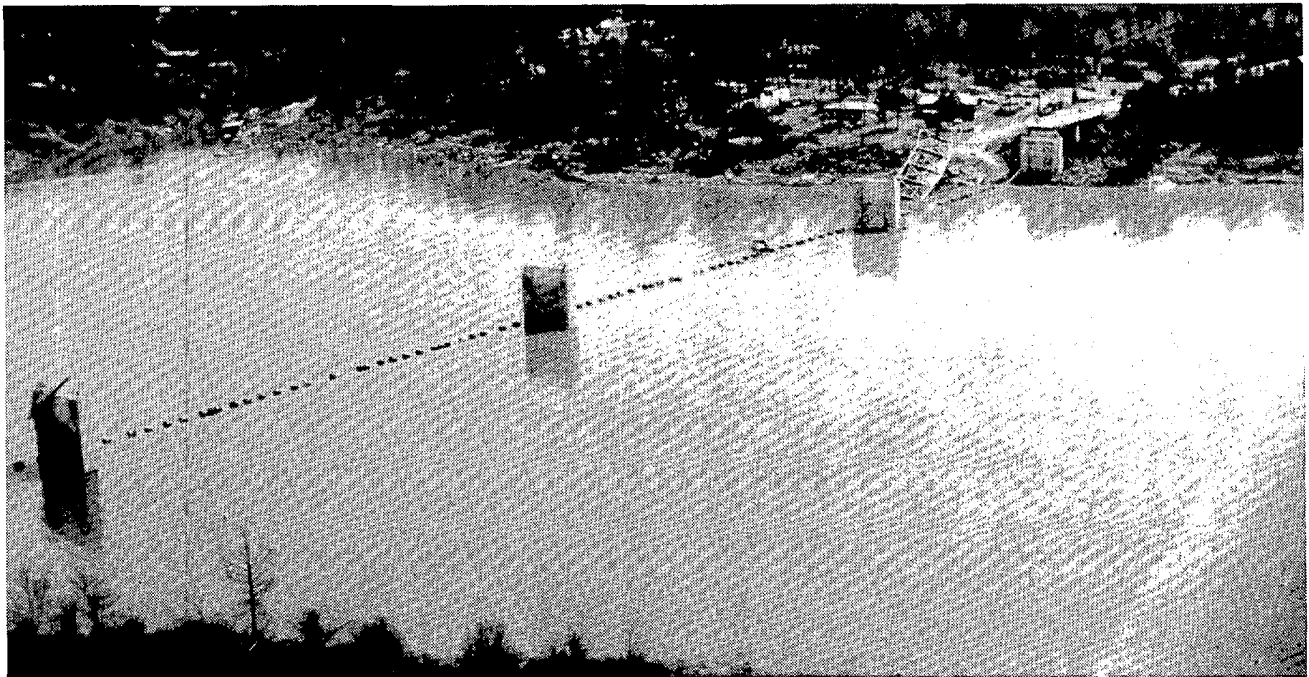
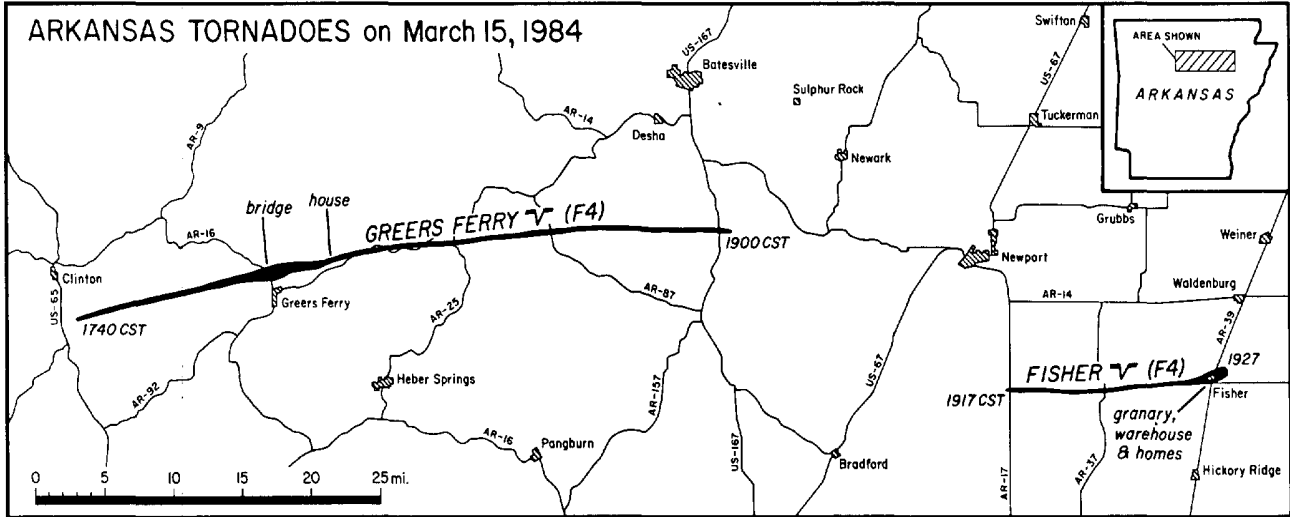


Above, grading equipment struggle with accumulating snow on a Bangor, Maine street while below, a couple struggle carting groceries down a road which is nearly impassable for autos. ---Top photo by Jack Loftus and bottom photos by Scott Haskell, both from the Bangor Daily News.



4. TORNADOES in ARKANSAS on March 15, 1984

On March 15th, two F4 tornadoes struck north-central Arkansas, killing 7 people and injuring 25. The first carved a 48 mile path through mostly mountainous terrain, but destroyed the Highway 16 bridge over Greers Ferry Lake. The second caused heavy damage as it passed through the town of Fisher. ---Map and all photos by A. B. Lee and M. L. Harrison, NWSFO Little Rock, AR. Aircraft courtesy Arkansas Civil Air Patrol.



Aerial and ground views of the destroyed Highway 16 bridge which the first tornado lifted and tipped over into Greers Ferry Lake. The bridge was a 1/4 mile long, steel superstructure, similar to a nearby bridge shown in the lower right photo.

TORNADOES in ARKANSAS ---- continued



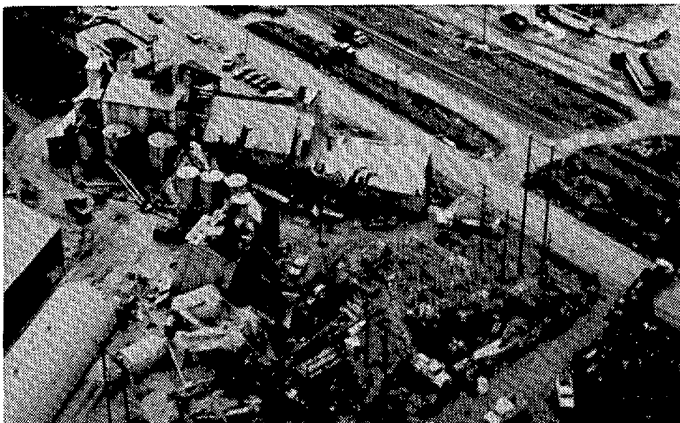
Remains of a house near Greers Ferry where 1 person died, but 3 teenagers survived in the bathtub. The tornado moved from right to left.



A ground view from the foundation of the home in the top photo.



A destroyed Fisher home. The tornado moved from right to left.



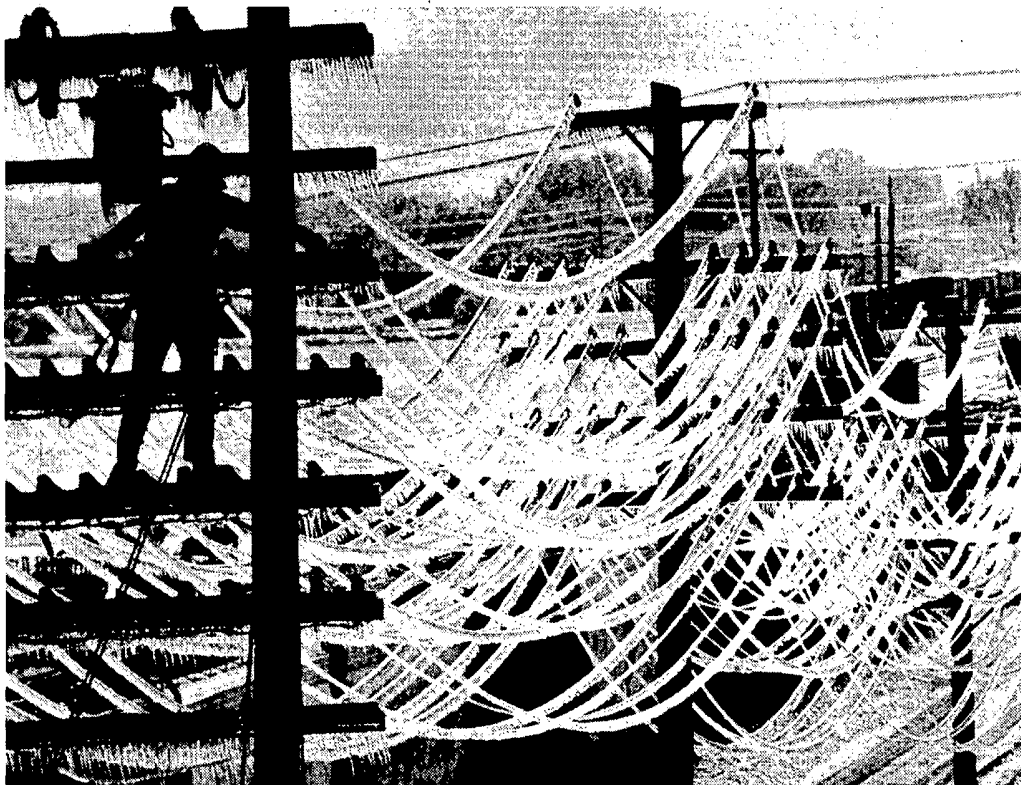
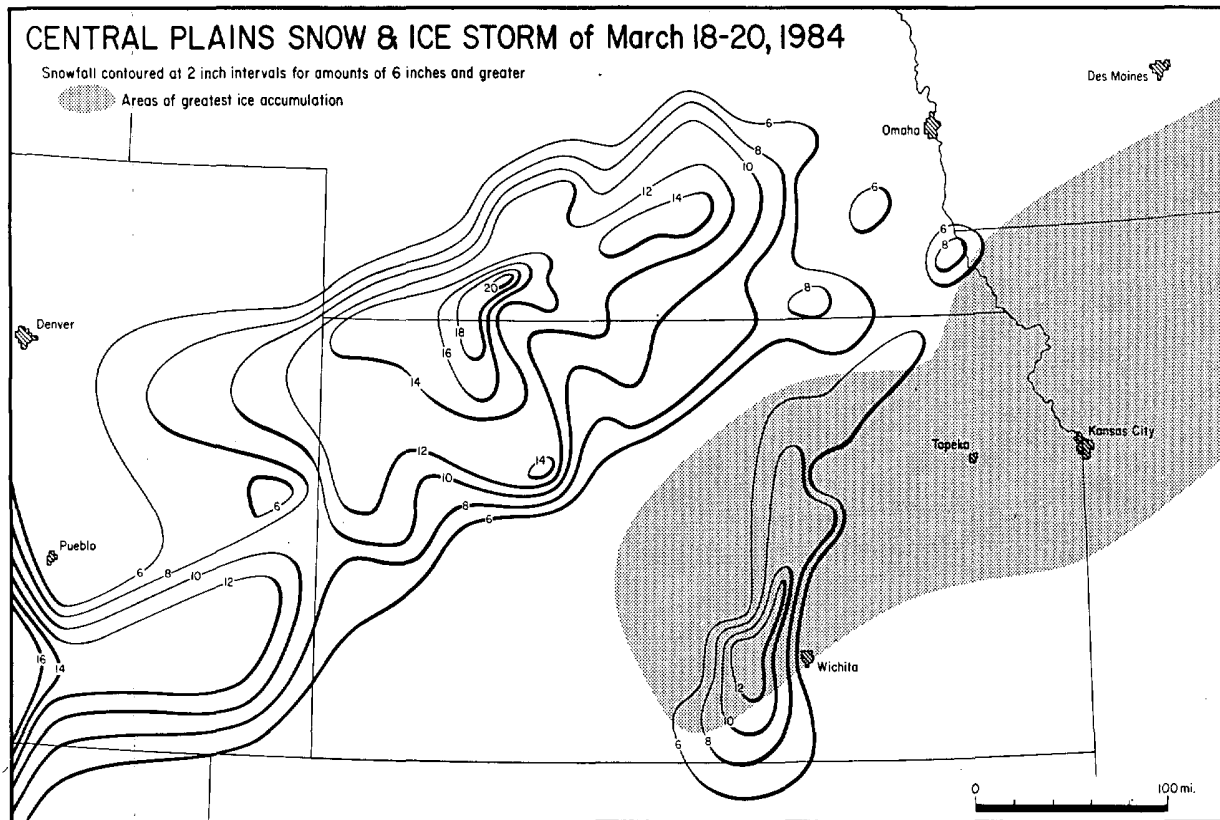
A damaged granary in Fisher. The tornado moved from top to bottom.



A destroyed warehouse in Fisher.

5. SNOW and ICE STORM in the CENTRAL PLAINS on March 18-20, 1984

A severe winter storm brought heavy snow and a thick coat of ice to portions of the Central Plains on March 18th to the 20th. Up to 20 inches of snow fell in Colorado, Nebraska and Kansas, while ice from freezing rain accumulated in eastern Kansas and northeastward in Missouri and Iowa. ---Data supplied by NWSFOs at Topeka, Kansas and Omaha, Nebraska; and by the Colorado Climate Center.

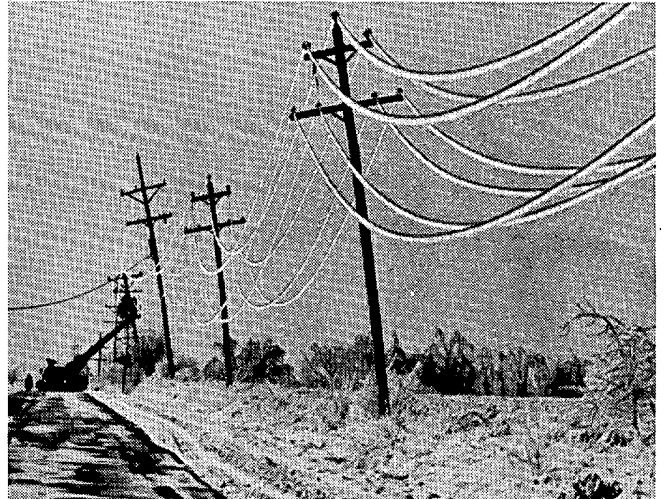


A Union Pacific Railroad repairman scales a telephone pole to service ice coated train signal lines in Topeka, KS. ---Photo by John Bock, Topeka Capital-Journal.

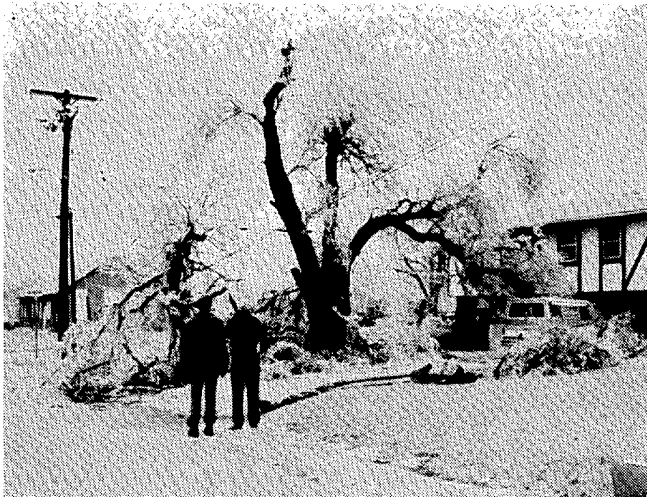
SNOW and ICE STORM in the CENTRAL PLAINS ---- continued



Twisted skeleton of the 1439 foot tower of KLDH-TV of Topeka, KS. The tower buckled and collapsed under the weight of a 3 inch thick coating of ice. ---Photo by Kathy Borchers, Topeka Capital-Journal.



Power lines droop along old US Highway 69 north of Louisburg, KS. ---Photo by Phil McLaughlin, Miami Republican, Paola, KS.



Tree and power line damage in Lyndon, KS. ---Photo by Greg Dalrymple, Lyndon News-Herald.



Ice laden trees in Topeka on March 20th. ---Photo by Steve Schurr, NWSFO Topeka, KS.

---All photos supplied by NWSFO Topeka, KS.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	

1 ALABAMA

Enterprise area, Coffee County	05 1245CST	.9	50	0	4	5	0	Tornado (F1)	Four people suffered minor injuries when a tornado touched down near the intersection of Alabama 27 and Shell Field Road. Two of the injured, a woman and a small child were occupants of a mobile home that was destroyed and had to be dug out of the rubble. Other damage included a small concrete block building destroyed, a home and a barn extensively damaged, and roof damage to other buildings.
Fort Rucker to Ozark Dale County	05 1250CST	8	50	0	14	7	0	Tornado (F2)	Fourteen people were injured in the Ozark area by a tornado that followed a skipping path into the city after first touching down just southwest of Lake Tholocco. After touching down, the storm moved northeast through a mostly wooded area west of Alabama 249. The tornado crossed Alabama 249 just southwest of U.S. 231 and inflicted heavy damage to a mobile home park. Many of the mobile homes were unoccupied, but one occupant of a mobile home was injured. The tornado apparently skipped over U.S. 231, barely missing a restaurant in its path and struck a shopping center on the northeast side of U.S. 231 at 1300CST. Several occupied automobiles in the parking lot were extensively damaged, but apparently none of the occupants were injured. There was extensive damage to the shopping center and eleven people were injured. Most of the injured were reported to have been in a department store where the roof collapsed. After striking the shopping center, the tornado moved on into the downtown section of Ozark and lifted near the intersection of Highways 105 and 123. Several downtown buildings were damaged. Two occupants of one building were injured when the windward wall failed and the roof collapsed. Three of the 14 persons injured were reported to have been hospitalized. Damage included 5 single family dwellings destroyed, 5 with major damage, and 16 with minor damage. Ten mobile homes and one business building were destroyed. Eighteen businesses suffered major damage and 31 minor damage.
Houston County	05 1335-1345CST			0	0	?	0	Wind/Hail	Hail to one inch in diameter was reported on the west side of Dothan at 1335CST and near Ashford at 1345CST. Small hail and tree limbs down were reported at Gordon at 1345CST.
Cherokee, Colbert County	17 2015CST			0	3	4	0	Lightning	Three people were injured when lightning ran down a television antenna tower, exploded the TV set and set the home on fire. Two of the occupants suffered cuts and abrasions from flying debris, and one occupant of the home had her hearing affected.
Houston County	20 1130CST	.1	30	0	0	4	0	Tornado (F1)	An apparent tornado touched down briefly and crossed U.S. 84 between Ashford and Pansy near Rocky Creek Road. Trees were downed, a barn was destroyed, two mobile homes and other buildings were damaged. Witnesses reported seeing a funnel cloud.
Washington County	24 1250CST			0	0	?	0	Wind	Thunderstorm winds downed trees 10 miles northwest of Chatom.
Clarke County	24 1332CST			0	0	?	0	Hail	Hail to 3/4 inch in diameter was reported north of Jackson.
Washington County	24 1435CST			0	0	?	0	Hail	Hail to one inch in diameter was reported 2 miles north of Calvert.
Crenshaw County	24 1630CST			0	0	?	0	Hail	Golf ball and some tennis ball size hail was reported in the Dozier area. Heavy rain and wind with marble size hail getting larger and heavier was reported between Brantley and Luverne around 1635CST.
Coffee County	24 1720CST							Funnel Cloud	A funnel cloud was reported by police near Elba.
Pike County	24 1735CST			0	0	?	0	Wind	Thunderstorm winds downed trees 3 miles south of Spring Hill.
Dale County	24 1800CST			0	0	?	0	Hail	Large hail was reported to have damaged automobiles and roofs near Arton.
Barbour County	24 1800CST			0	0	4	0	Wind	Thunderstorm winds damaged the roofs of two houses near Clito.
Henry County	24 1803CST			0	0	?	0	Hail	Large hail and blinding rain was reported by State Trooper in northern Henry County.

ALABAMA

Washington County	24 1930CST	2	800	0	0	5	0	Tornado (F2)	A tornado touched down in mostly open country and moved NE across county road 34 about 1 mile southeast of Saint Stephens. An old unoccupied home was destroyed. Two large storage buildings and an unoccupied home were heavily damaged, and one home was heavily damaged by a falling tree.
Jackson area, Clarke County	24 1936CST	4	600	0	0	6	0	Tornado (F3)	A tornado apparently first touched down near the U.S. 43 bridge over the Tombigbee River west of Jackson and moved eastward through the northern part of Jackson before lifting near the intersection of U.S. 43 and Alabama 177. An estimated 150 people escaped injury when the main part of the tornado struck a school within about 10 yards of the gym where they had gathered for a high school prom. Part of the school complex was destroyed and several automobiles in the gym parking lot were heavily damaged. The gym sustained minor damage. One small group of students, that were waiting in a classroom, barely escaped into the hallway when the storm hit the room. One four unit apartment building was destroyed, but the residents were away at the time and escaped injury. At least 20 automobiles were damaged including some brand new vehicles at an automobile dealership. At least 40 homes and several businesses were damaged, and there was extensive damage to timber. Hail and heavy rain preceded the tornado.
Clarke County	24 1947CST			0	0	2	0	Hail	State Trooper reported patrol car windshield cracked by hail 3 to 4 miles south of Grove Hill.
Montgomery area, Montgomery County	24 2100CST			0	0	?	0	Thunderstorm	Minor wind damage and power outages reported. Two house fires reported as a result of lightning strikes.
Brantley area, Crenshaw County	24 2300CST			0	0	?	0	Hail	Marble to golf ball size hail reported to have covered the ground and clogged drains and gutters.
Bullock County	24 2345CST			0	0	?	0	Wind	Several reports of tree damage from thunderstorm winds.
Perry County	27 1630CST			0	0	?	0	Hail	Hail the size of half-dollars reported at Marion.
Chilton County	27 1650CST			0	0	?	0	Hail	Hail to golf ball size reported near Maplesville at 1650CST and near the Autauga County line on I-65 around 1730CST.
Plantersville, Dallas County	27 1655CST			0	0	?	0	Hail	Hail the size of half-dollars reported.
Autauga County	27 1700CST			0	0	?	0	Hail	NWS Cooperative Observer reported golf ball size hail at Billingsley. The hail dented the observer's truck.
Sulligent area, Lamar County	27 1727CST			0	0	?	0	Hail	Hail to 3/4 inch in diameter reported.
Martin Dam area, Elmore/Tallapoosa County line	27 1745CST							Funnel Cloud	A funnel cloud was reported by a security guard and other witnesses.
Cullman County	27 1905-1925CST			0	0	?	0	Hail	Several reports of hail received as an intense thunderstorm moved eastward over southern Cullman County. Hail up to baseball size was reported in Welti at 1925CST.
Albertville area, Marshall County	27 2013CST			0	0	?	0	Wind	Thunderstorm winds downed power lines.
Crossville area, DeKalb County	27 2028CST			0	0	?	0	Hail	Hail to 3/4 inch in diameter reported.
Florence area, Lauderdale County	27 2049CST			0	0	?	0	Hail	Hail to golf ball size reported.
Toney area, Madison County	27 2140CST			0	0	?	0	Hail	Hail to one inch in diameter reported.
Athens area, Limestone County	27 2143CST			0	0	?	0	Hail	Hail to golf ball size reported. Some motorists were reported to have slid off the road due to the hail.
Fayette County	28 0008CST	.5	100	0	0	3	0	Tornado (F1)	An apparent small tornado touched down briefly and crossed Alabama 13 in northeast Fayette County about 1 1/2 miles south of the Walker/Fayette County line. Trees were downed and two barns were heavily damaged.
Leighton, Colbert County	28 0022CST			0	0	4	0	Wind	Thunderstorm winds ripped part of the roof off a home and downed trees and power lines. There was other minor wind damage in the area.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
ALABAMA										
Tuscaloosa County	28	0030CST			0	0	?	0	Wind	Thunderstorm winds downed some trees over northern Tuscaloosa County.
Walker County	28	0030CST			0	0	4	0	Wind	Thunderstorm winds downed trees and power lines west of Jasper on Alabama 5. A house was damaged by a falling tree in Jasper.
Decatur area, Morgan County	28	0044CST			0	0	?	0	Hail	Hail to one inch in diameter reported.
New Hope area, Madison County	28	0115CST			0	0	4	0	Wind	Thunderstorm winds downed trees and powerlines and damaged at least one home.
Jefferson County	28	0115-0130CST			0	0	4	0	Wind	Thunderstorm winds damaged barns and other buildings and downed trees and powerlines in the Trafford area. Metal trim was ripped off a three story building in Ensley, and a home was badly damaged by a falling tree in Hueytown.
Jefferson County	28	0119CST	.1	50	0	0	4	0	Tornado (F1)	A tornado touched down briefly in the Cahaba Heights area. Trees were downed with some falling on houses. High pitched roar reported to have lasted about 10 seconds.
Etowah County	28	0155CST			0	0	?	0	Wind	Wind gust to 55 mph reported by Etowah County Emergency Management.
Chilton County	28	0215CST			0	0	?	0	Wind	Thunderstorm wind damage reported in the Mineral Springs area just east of I-65.
Pickens County	28	1010-1020CST			0	0	4	0	Wind	Thunderstorm winds downed trees and powerlines in the Reform, Carrollton and Palmetto areas. Some outbuildings were damaged in the Palmetto area.
Walker County	28	1050CST			0	0	?	0	Wind	Thunderstorm winds reported to have downed trees with one tree hitting a mobile home in the Jasper area.
Jefferson County	28	1138-1207CST							Funnel Clouds	Funnel cloud reported 4 miles north of Birmingham airport moving east at 1138AM CST. A funnel cloud was also reported 8 miles SW of Birmingham at 1207CST
Shelby County	28	1205CST			0	0	?	0	Wind	Thunderstorm winds downed trees in the Helena area with one house reported damaged by a falling tree.
Etowah County	28	1200-1210CST			0	0	?	0	Hail	Golf ball size hail reported at Gadsden City Hall and in downtown Gadsden.
Calhoun County	28	1210-1225CST			0	0	?	0	Hail/Funnel cloud	Hail the size of quarters reported in the Weaver area. Spotters also reported 3 funnel clouds passing nearby.
Etowah County	28	1221CST			0	0	?	0	Wind	Powerlines reported downed by thunderstorm winds near U.S. 411 in Gadsden area.
Etowah County	28	1231CST							Funnel cloud	Funnel cloud reported by spotter near Hokes Bluff.
Cherokee County	28	1301CST							Funnel cloud	Funnel cloud reported near Leesburg.
2 ARIZONA ————— NONE REPORTED										
3 ARKANSAS										
Sebastian County	04	0455 & 0515 CST			0	0	3	-	Wind	Strong thunderstorm winds caused minor damage in the county. First, in Fort Smith, window shutters were blown off and one sign was destroyed at a hotel. Twenty minutes later, patio roofing was destroyed at a Bloomer residence, and one awning pole was blown through the roof of the house.
Franklin County	04	0500 CST			0	0	4	-	Wind	A strong thunderstorm moved through Charleston, damaging the roof of a church and several out-buildings.
Pope County	04	0630 CST			0	0	3	-	Lightning	Lightning struck a Russellville residence, knocking out the electrical circuits and the television set.
Saline County	04	1830 CST			0	0	-	-	Funnel Cloud	A funnel cloud was reported by spotters between Benton and Alexander.
Central Arkansas	09-	10			0	0	-	-	Heavy snow	Heavy snow fell across sections of central Arkansas in a narrow band from Booneville to Little Rock to near Helena. Rather large snow flakes began falling around 10 PM Friday night. By sunrise on Saturday 5 inches had accumulated on the ground at the Forecast Office in North Little Rock. Other snow amounts were 5 inches at Magazine, 4 1/2 inches at Marisma, 4 inches at Conway, the Little Rock Air Force Base, downtown Little Rock, Lonoke, Clarendon, and Perryville. Snow amounts tapered off quickly north and south of the heavy snow band.
Sevier County	15	unknown			0	0	3	-	Lightning	Five cows were found dead next to an oak tree, near DeQueen. Lightning struck the tree under which the cattle sought shelter.
Izard County	15	1720 CST			0	0	-	-	Hail	Golfball size hail was reported 2 miles north of Calico Rock.
Van Buren, Cleburne and Independence Counties	15	1740 - 1900 CST	48	440	2	13	7	-	Tornado (F4)	A strong tornado moved eastward at 35 MPH from 4 miles southeast of Clinton to Fairfield Bay to Edgemont to 1 mile north of Brownsville to 1 mile south of Drasco to 1 mile south of Banner to 1 mile south of Hutchinson to 1 mile northeast of Huff. One woman was killed in her home about 3 miles east of the City of Greers Ferry. Three fishermen were in a boat on Greers Ferry Lake just east of the Highway 16 Bridge. The boat was overturned with two of the occupants making their way to safety while the body of the third was never found. The tornado lifted the Highway 16 bridge and threw it into the lake. The bridge was about 1/4 mile long and it had a large steel superstructure. Sixty three homes, 22 mobile homes and 7 businesses were destroyed. Ninety nine homes, 8 mobile homes, 2 businesses, and 15 outbuildings were damaged.
Crawford County	15	1745 CST	7	75	0	4	4	-	Tornado (F1)	A small tornado touched down at Natural Dam and traveled southeast 7 miles to Hobbtown in 25 minutes approximately. The small community is 3/4 miles east of Cedarville. Minor damage was reported to one home and one barn near Natural Dam. Four mobile homes were destroyed, and 4 homes were damaged in two small communities, along the tornado path.
Jackson County	15	1913 CST			0	0	-	-	Funnel Cloud	A funnel cloud was reported near Newport.
Jackson and Poinsett Counties	15	1917 - 1927 CST	16	440	5	12	7	0	Tornado (F4)	A tornado moved eastward at 35 MPH from 1 mile north of Shoffner to Blackville to 1.5 miles south of Algoa to Fisher, lifting 1 mile northeast of Fisher. The track was narrow at the start, then it widened to 1 mile, while turning northeast, just before entering Fisher. Three fatalities occurred immediately that night, 2 of them inside mobile homes. A fourth fatality resulted the following night, with a fifth death occurring March 21st. The tornado destroyed 18 homes, 3 businesses, the post office, the town hall, and 10 mobile homes. Heavy damage was done to 25 other homes and 5 businesses.
Woodruff County	15	1940 CST			0	0	-	-	Hail	Three-quarter inch diameter hail was reported at Augusta.
Cross County	15	1945 CST			0	0	-	-	Hail	One inch diameter hail was reported at Fair Oaks.
Conway County	16	1620 CST			0	0	-	-	Hail	Three-quarter inch diameter hail, in Morrilton, was reported by a pilot.
Sevier County	16	1650 CST			0	0	-	-	Hail	A pilot reported hail 3/4" to 1" in diameter at DeQueen.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ 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 ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

— ARKANSAS

Carroll County	16	2325 CST			0	0	-	-	Funnel Cloud
The Arkansas State Police reported a funnel cloud southwest of Eureka Springs.									
Independence County	17	about 0355 CST			0	0	4	-	Lightning
Lightning struck a tree near a Desha residence. The charge traveled through a guy wire to a television antenna and started the fire. The home was a total loss.									
Washington County	18	about 0655 CST			0	0	-	-	Hail
Golfball size hail was reported 1 mile northeast of Lincoln.									
Clay County	18	about 0700 CST			0	0	4	-	Lightning
Lightning struck a tree outside a church 1 mile northwest of McDougal. The church had damage from part of the tree having been thrown against a wall and from the charge which damaged the electrical system.									
Craighead County	19	1210 - 1220 CST			0	0	4	-	Wind
One tractor trailer was blown over in the southern part of Jonesboro, as well as one mobile home having been blown off its foundation. One to six miles east of Jonesboro along Highway 18, houses and buildings experienced some roof damage, and some outbuildings were blown over.									
Greene County	19	1340 CST	6	5	0	0	0	5	Tornado (F1)
A small tornado traveled north northeast from Halliday to Marnaduke. One home was moved off its foundation and one mobile home was heavily damaged. Eight to ten other homes and one trailer also received roof damage. Numerous trees were downed.									
Howard County	27	0115 CST			0	0	-	-	Hail
Hail ranging from marble to quarter size was reported in the vicinity of Dierks.									
Miller County	27	0345 CST			0	0	-	-	Hail
Three quarter inch diameter hail was reported near Fouke.									
Little River County	27	0715 CST			0	0	-	-	Hail/Wind
One inch hail and 60 MPH winds were reported 5 miles southeast of Ashdown.									
Union County	27	1159 CST			0	0	-	-	Hail
Large hail was reported at El Dorado by one of the local radio stations. Hail ranged in size between marble and golfball.									
Little River County	27	1655 CST			0	0	-	-	Hail
One inch hail was reported south of Ashdown.									
Miller County	27	1720 CST			0	0	-	-	Hail/Wind
One inch hail and 60 MPH winds were reported in Texarkana.									
Miller County	27	1729 CST			0	0	-	-	Hail
The Texarkana Flight Service Station reported three-quarter inch hail.									
Hempstead County	27	1730 CST			0	0	-	-	Hail
One inch hail was reported 5 miles southeast of Fulton.									
Lafayette County	27	1806 & 1815 CST			0	0	-	-	Hail/Wind
Golfball size hail was reported 3 miles west of Lewisville. Nine minutes later, 1 1/4 to 2 inch hail and 60 MPH winds were reported at Lewisville.									
Columbia County	27	1840 CST			0	0	-	-	Hail
One inch hail and high winds were reported in Magnolia near the Southern Arkansas University.									
Desha County	27	1945 CST			0	0	-	-	Hail
The McGehee Police Department reported dime-sized hail.									
Miller County	27	2015 CST			0	0	-	-	Hail
One inch hail fell at Fort Lynn.									
Lafayette County	27	2025 CST			0	0	-	-	Hail
One inch hail was reported south of Canfield.									

4 CALIFORNIA, Northern

Eureka, Humboldt County	17	1747PST 1821PST							Funnel Clouds
Two funnel clouds were reported 15 miles east northeast of Eureka. The parent thunderstorm was located over the coastal mountains.									

4 CALIFORNIA, Southern

Independence and Lone Pine, Inyo County	26	1210PST			0	9	?	0	High Wind
A stretch of U.S. Highway 395 between Lone Pine and Independence was closed for three hours due to blowing dust and sand reducing visibilities to zero. One woman was treated for a concussion she suffered in a nine-car pileup accident on the stretch of highway. Eight others were treated for injuries in nearby hospitals.									
Palm Springs, Riverside County	26	?			0	1	?	0	High Wind
Winds up to 50 mph overturned a truck on California Highway 111 and blew out the windows of a California Highway Patrol Officer's car after he responded to the accident. Not far away on Interstate 10, the door of a California Highway Patrol Officer's car was blown off its hinges and he was hit on the head by a flying rock.									

5 COLORADO

Mountains, Eastern Foothills	3-4				0	0	0	0	Heavy Snow
1 to 2 feet of snow buried some spots in the mountains, mostly near the Continental Divide from Silverthorne south to La Veta Pass. A foot of snow fell in Trinidad, with 9 inches in Littleton.									
Northeast Foothills	7	morning			0	0	0	0	High winds
A gust of 63 mph was recorded at Golden Gate Canyon, west of Denver.									
Central Mountains	9				0	0	0	0	Heavy Snow
A foot of new snow was measured at Breckenridge.									
Northeast Foothills	12	morning			0	0	0	0	High winds
A gust of 65 mph was recorded at Buckhorn Mountain, west of Fort Collins.									
Larimer County	14				0	0	0	0	High winds
A gust of 63 mph was noted 3 miles southeast of Fort Collins.									
Mountains, East	18				0	0	0	0	Snowstorm
A strong snowstorm zeroed in on Southeastern Colorado, dumping 6 to 12 inches of snow in that area and closing many roads. Interstate 70 between Denver and Kansas was closed for the sixth time during the winter season, stranding about a thousand people in Limon. Several inches of snow also fell in Northeastern Colorado, with 13 inches in the mountains at Aspen and Steamboat Springs. 18 inches fell at Rye, in the foothills west of Pueblo. Although no deaths were directly attributed to the storm, the new snow led to avalanches that killed a skier near Vail and injured three climbers near Breckenridge.									
Mountains, East	22-23				0	0	0	0	Heavy Snow
Most of the state was covered under a thick blanket of new snow. Amounts ranged from 8 to 15 inches in the mountains; 6 to 12 inches in the eastern foothills; and 4 to 8 inches in the northeast. 6 inches fell in Denver, causing delays of several hours at Stapleton Airport; 5 inches covered Colorado Springs, and icy roads led to many traffic accidents in both cities.									
Eastern Foothills	25				0	0	0	0	Snow
5 to 12 inches of snow fell in the mountains, with 1 to 4 inches in the Denver and Colorado Springs areas. The main problems arose from icy roads, which contributed to many accidents, leading to the closure of Interstate 70 and US 40 west of Denver at the height of the Sunday afternoon ski rush, causing delays of many hours.									
East Central Mtns.	27				0	0	0	0	Snow
Snow fell in the mountains and foothills west of Denver and Colorado Springs. Most amounts were light, but 24 inches buried the Echo Lake area near Mount Evans.									
Northeast Colorado	29-30				0	0	0	0	Heavy Snow
5 to 10 inches fell in most areas of the Northeastern Plains and foothills. 8 inches of snow closed schools in Akron.									

6 CONNECTICUT

Southern Portion	08-09	Evening- Early A.M.			0	0	0	0	Heavy Snow and Blowing Snow
A "mini-blizzard" left from 6 to 10 inches of snow with "white-out" conditions prevailing during the storm-making driving conditions very poor. Wind gusts from 30 to 35 MPH were recorded.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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	

CONNECTICUT

North Central, Central, Eastern, South Central	13- Evenning-14 Early A.M.								Ice Storm
	Up to 100,000 people lost power in what was termed the worst ice storm since February, 1973. The heaviest concentration of ice occurred in the Meriden, Wallingford, New Haven Area. A motorist was killed in Meriden when his auto struck a tree felled by the ice. Numerous buildings, autos, and other properties were damaged by limbs and trees knocked down by the ice. In New Haven, many streets were made impassable by fallen wires and trees, and in a few areas power was not restored for up to 5 days. Several thousand customers in Tolland, Danielson, and Willimantic were left without power. Bradley International Airport was closed for ten hours during the storm. Tree damage in New Haven was reported to be about a million dollars.								
Statewide	29 All Day								Heavy Snow, High Winds, Coastal Flooding
	A very intense coastal storm with gale force, east and northeast winds gusting up to 70 MPH caused damaging coastal flooding along portions of the Connecticut shore. Damage estimates ranged up to 2.5 million dollars including cleanup and repair costs in Westport. Disaster aid was being sought for coastal portions of Fairfield, New Haven, Middlesex, and New London counties. Many homes and businesses were damaged by the tidal flooding as tides up to three feet above normal carried by pounding surf swept into the area. In Milford over one thousand homes were damaged with amounts estimated at \$750,000. Many streets were under water, and a number of piers and bridges were damaged along the Connecticut shore. Up to 50,000 electric customers lost power statewide during the storm as high winds and snow felled trees and power lines. Most service was restored by the morning of the 31st. Blizzard conditions were reported in northern and northwestern Connecticut, with 18 inches of snow accumulating in Norfolk.								

7 DELAWARE

Statewide	28-29								Wind, Rain, High Tides
	A rapidly-intensifying low pressure center moved out of the central Mississippi Valley during the afternoon of the 28th. Effects of the deepening storm began to take place during the latter part of the day on the 28th, and it vent its fury most of the following day before moving to the northeast. The lowest atmospheric pressure ever measured at the Weather Service Office at Greater Wilmington/New Castle County Airport for the month of March..28.73 inches.. occurred at 7:30AM the morning of the 29th. Winds at that time gusted to near 60 mph. A gust of around 80 mph was reported at the height of the storm at Indian River Inlet. The combined effects of wind, rain and high tides brought conditions termed by residents as the worst since the great March 1962 storm. At least 3 beachside residences were destroyed by pounding 10- to 12-foot waves and many dozens more were damaged by water and wind. In Wilmington, a \$100,000 home was rendered a total loss as a huge tree fell, virtually splitting it in two. Tree damage was widespread over the state and numerous roads were closed by high tides or local stream flooding. The communities of Kitts Hummock, east of Dover, and Bowers Beach were hard hit. Severe beach erosion also took its toll along the stretch between Rehoboth and Indian River Inlet. One official placed an estimated one million dollars as being needed to repair homes and restore the eroded shoreline. Of the two injuries reported..one of these was a pilot whose small aircraft was overturned while taxiing at Greater Wilmington/New Castle County Airport.								

8 FLORIDA

Fort Lauderdale, Broward County	13 0115EST	0.5 50							Tornado (F0)
	A tornado blew down two tool sheds and also some trees. Some windows were broken by debris.								
Panama City, Bay County	20 1000EST								Thunderstorm wind
	High wind destroyed a motel roof, blew down some trees and utility poles, and destroyed four townhouses that were under construction. Twenty automobile windows were broken by debris.								
LaBelle, Hendry County	23 0830EST								Lightning
	Two men sought shelter under a piece of equipment which was struck by lightning.								
Big Pine Key, Monroe County	23 1325EST	0.5 30							Tornado (F0)
	A tornado damaged several mobile homes. Many trees were blown down and power lines were blown down.								

FLORIDA

No Name Key, Monroe County	23 1355EST								Thunderstorm wind
	Wind destroyed pool and patio screens and uprooted several trees.								
Rockland Key, Monroe County	23 1450EST								Thunderstorm wind
	Trees and utility poles were blown down.								
Panama City, Bay County	25 0230EST	1.0 50							Tornado (F0)
	An apartment roof was damaged, several cars were damaged by debris, outbuilding was destroyed, and a large tree fell on a house.								
Orange Park, Clay County	28 1220EST								Lightning
	Lightning caused a fire in a home.								

9 GEORGIA

Mitchell and Worth Counties	05 1625EST	7 50							Tornado (F1)
	A tornado touched down about 10 miles northeast of Camilla and moved northeast into Worth County. In Mitchell County the tornado blew the roof from a barn, downed a few trees, and heavily damaged two livestock buildings. In Worth County the tornado caused extensive damage to one home, a barn, and a corn bin about 1 mile south of Bridgeboro.								
Worth County	05 1630EST								Wind
	Thunderstorm winds downed a few trees and power lines northeast of Sylvester. A house trailer was moved off its foundation.								
Ben Hill County	05 1730-1800EST								Wind
	Thunderstorm winds damaged a few trees.								
Laurens County	05 1745EST								Wind
	Thunderstorm winds uprooted a few trees.								
Dodge County	05 1745-1800EST								Wind
	Thunderstorm winds uprooted a few trees and damaged a house near Chauncey.								
Appling County	05 1820EST								Wind
	Thunderstorm winds downed a few trees 2 miles south of Baxley.								
Berrien County	05 1825EST								Wind
	Thunderstorm winds blew down a few trees west of Nashville.								
Extreme south Georgia	05 Entire Day								Flooding
	Heavy rains on March 5 and 6 caused flooding in several counties in south Georgia, especially in the southwest. Heavy rains later in the month, mainly on the 27th and 28th, were most destructive in the southeast counties. Most of the damages were done to roads. Mitchell County was hardest hit, with more than 70 families forced to evacuate. Schools in Bacon, Coffee, Echols, Brantley, Lowndes, and Atkinson Counties were all forced to close at least one day due to widespread road closings. Other counties reporting substantial road damages included Colquitt, Clinch, Brooks, Thomas, Pierce, and Cook Counties. Train derailments near Valdosta and Quitman on the 28th were attributed to flood damage to the railroad tracks.								
Muscogee County	20 1508EST								Funnel Cloud
	Two funnel clouds were sighted just north of Shaw High School in northeast Columbus.								
Chattahoochee County	20 1510EST								Funnel Cloud
	A funnel cloud was sighted at the Kelly Hill Range on Fort Benning.								
Rockdale County	20 1745EST								Funnel Cloud
	The Rockdale County police sighted a funnel cloud in the eastern part of the county.								
Burke County	20 1845EST								Wind
	Thunderstorm winds ripped the roof off a store building in Waynesboro and downed a few trees and power lines.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ 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 ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

— GEORGIA

Pulaski and Dodge Counties	25	0015EST			0	0	0	0	Hail
Hail up to one inch in diameter fell in western Pulaski and eastern Dodge Counties.									
Wayne County	27	1300EST			0	0	0	0	Funnel Cloud
A funnel cloud was sighted near Odum.									
Meriwether County	27	2025EST			0	0	0	0	Funnel Cloud
A funnel cloud was sighted between Greenville and LaGrange on Highway 109.									
Upson County	27	2028EST			0	1	7	0	Hail
Golfball-size hail pounded Thomaston for about 10 minutes, damaging the roofs of hundreds of houses while smashing many of the windows in the houses. Hundreds of cars were damaged. Several airplanes at the Reginald Grant Airport had broken windshields and a couple of planes had more serious damage. One woman suffered minor cuts from a broken window.									
Meriwether County	27	2035EST			0	0	0	0	Funnel Cloud
A funnel cloud was sighted between Warm Springs and Manchester.									
Crawford County	27	2100EST			0	0	2	0	Hail
Golfball-size hail broke a few windows in the northern part of the county.									
Bibb County	27	2115EST			0	0	0	0	Hail
Thunderstorms dropped golfball-size hail in the northern part of the county.									
Monroe County	27	2120EST			0	0	3	0	Hail
Golfball-size hail damaged a car and a truck in the southern part of the county.									
Wilkinson County	27	2150EST			0	0	0	0	Hail
Thunderstorms dropped golfball-size hail in the northern part of the county.									
Carroll County	28	0345EST	0.5	20	0	0	4	0	Tornado (F0)
A tornado touched down near the Carroll-Herndon County line just south of Waco. The tornado damaged several outbuildings, heavily damaged the roofs of two houses, and downed several trees.									
Carroll County	28	0400EST	5	35	0	0	5	0	Tornado (F1)
A tornado touched down in Fairfield Plantation. The tornado ripped the back porch from one home, destroyed the roof of the development's maintenance shed, uprooted or snapped off dozens of pine trees, and damaged Fairfield's golf course. Falling trees damaged at least one car.									
Columbia County	28	0400EST			0	0	0	0	Hail
Thunderstorms dropped golfball-size hail in the town of Evans.									
Appling, Evans, Toombs, Bulloch, and Effingham Counties	28	0500-0630EST			0	0	3	0	Wind
Thunderstorm winds blew down a few trees.									
Spalding County	28	0515EST	2	30	0	0	4	0	Tornado (F0)
A tornado touched down about 2 miles east of Griffin and moved east. The tornado damaged two homes, downed several trees, and destroyed 3 outbuildings. Four vehicles were damaged by falling trees.									
Henry County	28	0530EST			0	0	3	0	Wind
Thunderstorm winds downed a few trees and power lines in the southern part of the county.									
Lumpkin County	28	1315EST			0	0	3	0	Wind
Thunderstorm winds downed a few trees and power lines.									
White County	28	1315EST			0	0	3	0	Wind
Thunderstorm winds downed a few trees and power lines.									
Dawson County	28	1340EST			0	0	3	0	Wind
Thunderstorm winds downed a few trees and power lines.									
Gordon County	28	1345EST			0	0	0	0	Funnel Cloud
A funnel cloud was sighted in the Sugar Valley area.									

— GEORGIA

Rebus County	28	1400EST			0	0	0	0	Hail
Thunderstorms dropped golfball-size hail.									
Douglas County	28	1420EST			0	0	0	0	Funnel Cloud
A funnel cloud was sighted near Douglasville.									
Fulton County	28	1452EST			0	0	0	0	Hail
Hail up to one inch in diameter fell at an Atlanta TV station.									
DeKalb County	28	1458EST			0	0	0	0	Hail
Thunderstorms dropped hail up to one inch in diameter.									
DeKalb County	28	1500EST			0	1	0	0	Lightning
A 38-year-old woman was seriously injured by a lightning strike as she stood in her driveway.									
Carroll County	28	1500EST			0	0	3	0	Wind
Thunderstorm winds downed several trees and power lines in Carrollton, causing power outages for about 2,000 homes.									
Cherokee County	28	1504EST			0	0	3	0	Wind
Thunderstorm winds caused minor damage to a few homes in Woodstock.									
DeKalb County	28	1513EST			0	0	5	0	Wind
Thunderstorm winds heavily damaged the roof of a business in Lithonia. A car in an adjacent parking lot was heavily damaged when part of the roof fell on it. An apartment building nearby also suffered roof damage.									
Banks County	28	1515EST			0	0	3	0	Wind
Thunderstorm winds downed a few trees and power lines.									
Jackson County	28	1515EST			0	0	3	0	Wind
Thunderstorm winds downed a few trees and power lines.									
Coweta County	28	1519EST			0	0	3	0	Wind
A mobile home in the northern part of the county was heavily damaged by thunderstorm winds.									
Hart County	28	1520EST			0	0	4	0	Wind
Thunderstorm winds destroyed a chicken house and downed a few trees and power lines.									
Barrow County	28	1525EST	12	50	0	1	5	0	Tornado (F1)
A tornado touched down about 6 miles southwest of Winder and moved northeast across Yargo State Park. The tornado downed hundreds of trees, damaged 30 chicken houses, 1 mobile home, a golf course, and caused minor roof damages to more than a hundred buildings. A child in the mobile home suffered minor injuries.									
Fulton County	28	1530EST			0	0	3	0	Wind
Thunderstorm winds caused some roof damage in the southern part of the county.									
Cherokee County	28	1530EST			0	0	3	0	Wind
Thunderstorm winds downed a few trees and pushed a mobile home off its foundation in south Cherokee County just east of Woodstock.									
Franklin County	28	1540EST			0	0	3	0	Wind
Thunderstorm winds downed a few trees and power lines.									
Clarke County	28	1550EST			0	0	3	0	Hail, Wind
Thunderstorms dropped hail up to one inch in diameter at the Athens Airport. Thunderstorm winds downed several trees and power lines. Several buildings suffered minor roof damage. Wind gusts to 56 knots were recorded at the Athens Airport.									
Walton County	28	1550EST			0	0	3	0	Wind
Thunderstorm winds downed a few trees and power lines.									
Oconee County	28	1600EST			0	0	4	0	Wind
Thunderstorm winds destroyed a chicken house and downed a few trees and power lines.									
Oglethorpe County	28	1605EST			0	2	5	0	Wind, Hail
Thunderstorm winds demolished a concrete block shop building, injuring two men. The winds lifted the roof from a chicken house, toppled several trees, and caused minor damage to a few buildings. Hail up to the size of golfballs broke a few windows.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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	

GEORGIA

Elbert County	28	1620EST			0	0	5	0	Hail, Wind
Thunderstorm winds overturned a mobile home and downed trees and power lines throughout the county. Golfball-size hail broke several windows and dented several cars. Seven planes at the Elbert County Airport were damaged by the winds and hail.									
Madison County	28	1620EST			0	0	5	0	Wind, Hail
Thunderstorms dropped hail up to 3/4 inch in diameter. Thunderstorm winds caused moderate damage to 35 houses while another 50 houses received light damage. Two mobile homes were destroyed and 6 others were moved off their foundations. The gusty winds damaged 23 chicken houses and 33 barns.									
Henry County	28	1630EST	0.5	20	0	0	2	0	Tornado (F0)
A tornado briefly touched down 3 miles north of McDonough. A witness reported the only damage was to one large pine tree that was twisted off.									
McDuffie County	28	1730EST			0	0	0	0	Waterspout
A waterspout was reported over the Clark Hill Reservoir. No damage was reported.									

10 IDAHO

Ada County	21	0230MST **35	4		0	0	4	0	Tornado (F1)
A small tornado, associated with a fast moving cold front, passed through a farm about 1-1/2 miles east of Kuna. A grain bin, as well as a two-story wood framed shed, and the roof of an adjacent storage building was damaged.									
Ada, Canyon, Gen, Owyhee and Payette Counties	21	0200-0300MST			0	4	4	0	High winds
A vigorous cold front passed through southwestern Idaho producing strong gusty winds. Numerous trees were downed with at least one smashing into a house. Most damage was confined to downed power lines and damaged storage sheds.									
Barnock County	21	0900MST			0	0	3	0	High winds
A strong cold front passed through the Pocatello area during the morning hours. Gusty winds near 50 MPH were reported at the airport. A five-foot high block wall was toppled and two storage sheds were extensively damaged.									

11 ILLINOIS

Champaign County	15	0100CST			0	0	0	0	Hail
1.75 inch hail fell 14 miles NNW of Champaign.									
Liberty, Adams County	15	1718CST			0	0	0	0	Hail
0.75 inch hail was reported.									
Jerseyville, Jersey County	15	1830CST			0	0	0	0	Wind
Trees and power lines were blown down as wind gusts reached 56 knots.									
Jerseyville, Jersey County	15	1830CST			0	0	0	0	Hail
1.75 inch hail fell with no known damage.									
Sparta, Randolph County	15	1908CST			0	0	4	0	Wind
A 56 knot gust blew down power lines.									
Mt. Vernon Airport, Jefferson County	15	1950CST			0	0	0	0	Wind
A 60 knot gust was reported.									
Carbondale Airport, Jackson County	15	1955CST			0	0	0	0	Wind
A 50 knot gust was recorded.									
Mattoon, Coles County	15	2000CST			0	0	4	0	Wind
5 mobile homes were blown off their foundations by strong winds.									
Franklin County	15	2010CST			0	0	4	0	Wind
52 knot gusts blew down power lines and trees, and damaged buildings throughout the county.									
McLeansboro, Hamilton County	15	2022CST			0	0	3	0	Wind
Powerful winds blew down power lines and trees.									
Mt. Carmel, Wabash County	15	2030CST			0	0	0	0	Wind
A 52 knot gust was reported.									
Olney, Richland County	15	2030CST ?	?		0	0	5	0	Tornado (F0)
The roof of a house was torn off and a brick wall was blown out when a small tornado touched down 7 miles east of town.									
Fairfield, Wayne County	15	2040CST			0	0	4	0	Wind
A 52 knot gust blew a roof off a house.									

ILLINOIS

Lancaster, Wabash County	15	2040CST			0	0	0	0	Wind
A 52 knot gust was reported.									
Oblong, Crawford County	15	2050CST			0	0	4	0	Wind
A 52 knot gust damaged several buildings.									
Washington, St. Clair, Clark, Cumberland, Lawrence, Crawford, Clinton, Montgomery, Putnam, and Perry Counties	15-16	1900-0400CST			0	3	6	0	Wind
Strong winds which accompanied thunderstorms caused widespread damage to buildings, trees, and power lines during the night. Winds as high as 60 knots were common throughout southern Illinois. In Nashville, Washington County, a 20 by 20 foot dome blew off the courthouse. Uprooted trees damaged buildings and powerful winds blew out windows, traffic signals, and power lines in Belleville, St. Clair County. Grain bins and farm buildings were damaged in Clark and Cumberland Counties by the wind. A roof was ripped off a church in Lawrenceville, Lawrence County, and a mobile home was flipped over, injuring 2 persons. An estimated \$250,000 damage occurred in Crawford County as many farm buildings were damaged. One person was injured by flying glass. Clinton County reported an estimated \$125,000 damage to buildings and out-buildings. Raymond, Montgomery County, suffered extensive tree damage. Greenville, Putnam County received tree damage and minor roof damage at 1900. Roof and window damage was reported in Culter, Perry County, at 1930.									
Chicago, Cook County	15	Evening			1	0	0	0	Wind
One person died when an electrical power line blew down on him while he was walking in an alley.									
Cairo, Alexander County	19	1908CST ?	?		0	0	0	0	Tornado (F0)
A tornado touched down 1 mile north of town causing no known damage.									

12 INDIANA

Northeast Indiana	08	0000 to 1800EST			0	0	0	0	Heavy Snow
Four to seven inches of snow fell across portions of Northeast Indiana accompanied by gusty winds to 35 miles an hour. Many secondary roads were reported closed due to drifting snow. The heaviest snowfalls were reported at Huntington, Fort Wayne and Marion where 6 to 7 inches fell.									
4 SE Switz City, Greene County	15	2115EST			0	0	3	0	Thunderstorm winds
Strong thunderstorm winds caused damage to several boxcars. Also damaged was a side of a plow barn. Several trees were uprooted.									
Evansville, Vanderburgh County	15	2124EST			0	0	3	0	Thunderstorm Winds
Power reported out on the north side of Evansville due to winds reported at 60 miles an hour.									
Evansville, Vanderburgh County	15	2155EST			0	0	0	0	Thunderstorm Winds
60 mile an hour winds reported.									
Huntingburg, Dubois County	15	2219EST			0	0	0	0	Thunderstorm Winds
60 mile an hour wind reported.									
Solsberry, Greene County	15	2220EST			0	0	4	0	Thunderstorm Winds
Strong thunderstorm winds destroyed a barn.									
Maumee River Basin, Northeast Indiana	17-18				0	0	0	0	Flooding
Melting snow and rainfall produced flooding along the St. Marys, Maumee and St. Joseph rivers, which run through Allen, DeKalb and Adams Counties. Fields and some parklands were affected.									

13 IOWA

Statewide	04	All Day			0	0	4	0	Snow, Ice and Wind
Snow accumulated to 3 to 7 inches in Northwest and North Central Iowa. The heaviest amounts were in the Northwestern Counties of Sioux and Lyon. Strong winds caused blowing and drifting snow and low wind chill readings - a big change from February's mild weather. In Southern and Eastern portions of Iowa freezing rain mixed with the snow produced even more hazards than just the snow.									
Western and Central Iowa	07	All Day			0	0	5	0	Snow and Wind
Snow accumulated to 3 to 7 inches in a band about 50 miles wide from near Sioux City to Lamoni, in the early morning hours. By late afternoon and into the evening winds had accelerated to over 30 miles an hour, and with continued snow, produced blowing and drifting snow, low visibilities, and bitter wind chills in Western and Central Iowa. Predicted blizzard conditions did not occur, but the weather approached that level of intensity.									
Statewide	11-12	Afternoon			0	0	4	0	Snow
Snow fell over all of Iowa Sunday (11th) into Monday. The greatest totals of snow were 3-5 inches in West Central and Central Iowa.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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	

IOWA

Northern and Eastern Iowa	14- Evening 15- Early Morning		0	0	4	0	0	Thunderstorms, Lightning and Hail	
<p>The thunderstorms built up across Northern Iowa during the late evening and then developed rapidly across the State. Large hail (an inch or better in size) was observed in both Crawford (West Central) and Tama (East Central) Counties. Lightning struck a home in Hawkeye in Fayette County, starting a fire and damaging electrical appliances. The County Courthouse in Clinton was struck by lightning as well, causing an estimated \$10,000 damage to the computer system.</p>									
Statewide	17 All Day		0	0	5	0	0	Snow	
<p>A heavy wet snow - with accumulations generally 3 to 7 inches fell over all but the Northwest part of Iowa, making travel difficult. The snow brought a white rather than a green appearance to St. Patrick's Day.</p>									
Central and Eastern Iowa	19- Afternoon- 20 Afternoon		0	0	5	0	0	Snow	
<p>Snow and strong winds brought a wintry like start to Spring. Grinnell received the most snow with 11 inches. Amounts elsewhere were generally in the 4 to 10 inch range. Classes were cancelled in many school districts, the plows were called out, many meetings and appointments were delayed or called off. The first day of Spring looked suspiciously like last year's, an inauspicious beginning.</p>									

14 KANSAS

Arkansas City, Cowley County	03 1810CST		0	0	0	2	0	Hail	
<p>Hailstones the size of golfballs fell 3 miles south of Arkansas City.</p>									
Wichita, Sedgwick County	03 2048CST		0	0	0	0	0	Hail	
<p>Hailstones 3/4 inch in diameter fell at 25th Street North and Greenwich Road in the northeast part of Wichita.</p>									
El Dorado, Butler County	03 2052CST		0	0	0	0	0	Hail	
<p>Hail 3/4 inch in diameter fell 8 miles west of El Dorado.</p>									
Extreme Northern Kansas	11- Aftn 12 Mrng		0	0	0	0	0	Heavy Snow	
<p>Snow accumulated 4 to 8 inches in depth in a path about 40 miles wide centered on a line from Hill City to Belleville to St. Joseph, Missouri. Eight inches fell in Osborne, Hanover and Beattie.</p>									
Iola, Allen County	15 1310CST	Short Narrow	0	0	0	0	0	Tornado (F0)	
<p>A tornado touched down briefly about 5 miles east of Iola. No damage resulted.</p>									
Moran, Allen County	15 1310CST	Short Narrow	0	0	0	0	0	Tornado (F0)	
<p>A tornado touched down briefly a mile north of Moran near U.S. Highway 54. No damage resulted.</p>									
Ft. Scott, Bourbon County	15 1410CST		0	0	0	0	0	Hail	
<p>Three-quarter inch hail fell just west of Ft. Scott.</p>									
Girard, Crawford County	15 1445CST		0	0	0	2	0	Hail, Wind	
<p>Hailstones the size of golfballs fell at Girard. A wind gust was also measured at 58 miles an hour.</p>									
Weir, Crawford County	15 1515CST		0	0	0	0	0	Hail	
<p>Hailstones 3/4 inch in diameter fell at Weir.</p>									
All but Southwest and Southeast Corners of Kansas	18- Mrng 20 Mrng		0	0	7	0	0	Winter Storm	
<p>A winter storm brought blizzard conditions to northwest and parts of central Kansas and a severe ice storm to central and northeast Kansas.</p> <p>The storm dropped more than 6 inches of snow north of a line from Syracuse to Hays and Washington. More than a foot accumulated north of a line from Sharon Springs to Wakeeney and Phillipsburg. Oberlin measured a total of 19 inches. Winds of 30 to 40 miles an hour combined with the heavy snow to keep visibility near zero. Drifts piled up and nearly all roads were closed, leaving thousands of travelers stranded.</p> <p>Freezing rain and sleet accumulated a glaze more than an inch thick on trees, power lines and all exposed surfaces in a swath about 100 miles wide centered from Kinsley to Abilene and Kansas City. The ice dropped power lines and broke a great number of poles. An estimated 100,000 homes lost electricity for at least a day, and some were without power for a week. The ice also put a strain on towers. KLDH TV's 1400 foot tower west of Topeka buckled from the weight of a 3 inch coating of ice, the top 76 feet of KFDI Radio's tower in Nichita fell and the cable TV tower in Council Grove also dropped. Several other towers in Topeka were also leaning during the storm, and KSNB TV's studios were evacuated for a time. The ice storm certainly rates as one of the most damaging and widespread ever to occur in Kansas.</p> <p>Snow followed the freezing rain into central Kansas. More than 6 inches accumulated in a 40 mile wide band centered from Anthony to McPherson, Salina and Frankfort. A foot was measured west of</p>									

KANSAS

Wichita	in a narrow path from Norwich to Inman.								
Southwest Kansas	22- Late Evng 24 Early Mrng		0	0	0	0	0	Heavy Snow	
<p>Wet snow accumulated more than 6 inches in a 70 mile wide area centered from Liberal to Ness City. Although 25 to 30 mile an hour winds accompanied the snow, little blowing or drifting resulted because it was so wet. Garden City measured 13 inches and Sublette had 11.</p>									

15 KENTUCKY

Perry County	08 LATE NGT		0	0	4	0	0	Strong Winds	
<p>Strong winds broke a tree in half at Glomawr Hollow resulting in extreme damage to a pair of automobiles. Power and telephone lines were also damaged.</p>									
Union County	15 EARLY MRNG		0	0	4	0	0	Thunderstorm Winds and Lightning	
<p>A portion of a roof was torn off of a storage shed and a mobile home was turned over by strong winds near Haverly. Lightning struck a barn burning it to the ground and damaging an adjacent silo.</p>									
Graves County	15 1810CST		0	0	3	0	0	Strong Winds	
<p>Roof damage was reported southwest of Mayfield. Also trees were reported downed.</p>									
Hickman County	15 1810CST		0	0	3	0	0	Thunderstorm Winds	
<p>Power outages were scattered throughout the county due to high winds.</p>									
Henderson County	15 1810CST		0	0	0	0	0	Funnel Cloud	
<p>A funnel cloud was sighted near Zion. The funnel cloud dropped from the clouds in the vicinity of Airline Road and traveled north towards Zion, never touching the ground.</p>									
Daviess County	15 1820CST	Short Narrow	0	0	4	0	0	Tornado (F0)	
<p>A tornado briefly touched down near Stanley demolishing a barn and some outbuildings.</p>									
Daviess County	15 1820CST		0	0	0	0	0	Funnel Cloud	
<p>A funnel cloud was sighted near the Owensboro Airport.</p>									
Hardin County	15 EVE		0	0	5	0	0	Straight line Winds	
<p>\$130,000 worth of damage was done at Fort Knox due to high winds. Major roof damage was sustained to two buildings and a hangar at Godman Airfield base and Boudnot Hall.</p>									
Henderson County	15 1815EST		0	0	4	0	0	Hail	
<p>Golfball size hail was reported in Cairo. Power outages were extensive. Damage was done to a local greenhouse. Eighty percent of all the glass panes in the structure broke. Damage was done to a variety of orchids and other plants.</p>									
Calloway County	15 1830CST		0	0	4	0	0	Thunderstorm Winds and small hail	
<p>A trailer was blown off blocks east of Murray. Murray also reported pea size hail.</p>									
Henderson County	15 1835CST		0	0	3	0	0	Hail	
<p>Thunderstorms passed through Zion pelting the community with several inches of marble to golfball sized hail. Hail broke windows at Anthoston. Hail, 3/4 inch in diameter, fell at Corydon.</p>									
Hancock County	15 2230EST		0	0	4	0	0	Thunderstorm Winds	
<p>High winds caused a mobile home to overturn near Hawesville. Some trees were also blown over and many incidents of roof damage occurred.</p>									
Breckinridge County	15 2300EST		0	0	3	0	0	Thunderstorm Winds	
<p>High winds destroyed the screen at the Irvington Drive-in of U.S. 60.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ 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 ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

KENTUCKY										
Warren County	15	2320EST								Lightning Utility companies reported scattered outages in Bowling Green and throughout the county due to lightning strikes and trees falling on power lines.
Meade County	15	2320EST								Thunderstorm Winds Winds up to 50 miles an hour caused some property damage throughout the county. A new barn was destroyed on the Buck Grove - Rock Haven Road. Several trailers had siding and roofs torn off. One trailer was overturned. Power outages resulted from fallen trees and power lines. Some of the power lines broke along with the smaller power poles in central Meade County.
Bullitt County	15	2350EST								Straight Line Winds Straight line winds up to 60 miles an hour tore roofs off barns, did damage to silos, toppled trees, and tore a chimney off of a house in Zoneton. Fallen trees blocked roads. Overdale Elementary School sustained roof damage. Some minor property damage occurred in Mount Washington.
Spencer, Marion, and Washington Counties	15	2350EST								Straight line Winds Scattered wind damage occurred through Spencer, Marion, and Washington Counties. Numerous trees were downed in Taylorsville, (Spencer County). Winds were estimated at 60 miles an hour.
Clinton County	15	LATE NGT								Thunderstorm Winds Barns and buildings sustained wind damage and trees were blown down in a few areas of the county.
Logan County	15	2355EST								Thunderstorm Winds 60 mile an hour winds were reported by the Russellville police. Numerous power and telephone lines were down. Signs were blown over. Power lines also fell due to high winds in Lewisburg and Adairville.
Shelby County	16	0000EST								Thunderstorm Winds Strong thunderstorm winds destroyed a 24 x 60 foot pole barn located 1 mile south of Waddy.
Nelson County	16	0020EST								Thunderstorm Winds Trees reported down through Nelson County.
Bell County	16	0200EST								Straight Line Winds Straight line winds turned over a mobile home at Roth Camp in Arjay. The mobile home turned over and over again with a coal miner and his family inside it before finally coming to a rest, some 60 feet away from its original setting upside down and crushed. Most all of their possessions were destroyed.
Graves County	19	1545-1615 CST								Straight Line Winds and Lightning Straight line winds and lightning were blamed for the destruction of a mobile home and barn 5 miles west of Mayfield and a house fire on Hopewell Road near Viola. In Mayfield, very intense lightning was associated with the thunderstorm along with hail, 1/2 inch in diameter. A wall cloud formation was seen in Mayfield but no funnel emerged.
Ballard County	19	1600CST								Thunderstorm Winds Trees were down from high winds throughout Ballard County.
Bell County	19	AFTN								Minor Flooding Minor flooding on the Yellow Creek created problems for residents along the Page cutoff road. Water rose across highways and blocked passage.
Fulton County	19	LATE AFTN								Hail, Winds Homes and automobiles in Fulton County sustained wind and hail damage during strong late afternoon thunderstorms. Some minor damage was done to the Highland Substation and caused protective equipment on a number of utility poles to malfunction.

KENTUCKY										
Union County	19	1750CST								Hail, Wind Flooding 50 mile an hour winds and hail, 3/4 inch in diameter was reported in Morganfield. Some minor lowland flooding was reported due to heavy downpours of rain. Trees toppled under the force of the winds. Several mobile homes were damaged.
Union County	19	1753CST								Funnel Cloud A funnel cloud was sighted by Kentucky State Police near Pride.
Henderson County	19	1830CST								Hail Hail, 3/4 inch in diameter, was reported in Reed and Smith Mills.
Larue County	20	0200EST								Lightning Lightning struck a television antenna and came into a Mt. Sherman house jumping the space to the unplugged television set destroying it. The phone box on the outside of the house exploded. The house was located on state Highway 61, a mile south of Mt. Sherman. It was equipped with lightning rods.
Simpson County	24	2200EST								High Winds Strong winds demolished a dugout, tore down a chain link fence, and blew part of a roof off of a restroom before disappearing at Drakes Creek. The wind damage path was measured as 300 to 400 feet long and about 50 feet wide.
Henderson County	28	MRNG								Lowland Flooding Heavy rains caused Canoe Creek to spill out of its banks and water to back up in Henderson storm sewers. All low-lying areas were flooded. By afternoon the waters had receded.
16 LOUISIANA										
Claiborne Parish	03	1410CST								SVR TSTM A severe thunderstorm moved across the northern portion of Claiborne Parish. The storm produced .75 inch diameter hail 3 inches deep northeast of Haynsville and hail 1 inch diameter near Summerville. No damage estimate available.
Caddo, Bossier, Webster, and Claiborne Parishes	04	1430CST-1600CST								SVR TSTM Tornadoes A severe thunderstorm moved from the southern portion of Caddo Parish northeastward across the southern portion of Shreveport, then across the southern portion of Bossier Parish, the central portion of Webster Parish, and the northwest portion of Claiborne Parish. This storm produced the following severe weather reports. 1430CST .5 100 5 Tornado (F1) A tornado touched down 9 miles southwest of Shreveport. Two barns and a mobile home destroyed. Caddo Parish. 1440CST short 50 4 Tornado (FO) A tornado was reported 6 miles southeast of Shreveport. Minor damage to homes and outbuildings. 1449CST Funnel Cloud Funnel cloud over southeast Shreveport, Caddo Parish. 1504CST Funnel Cloud Funnel Cloud reported south of Barksdale AFB. 1508CST ? 100 5 Tornado (F1) A tornado moved from south of Barksdale AFB to near Haughton. Only intermittent contact with ground. Several homes received substantial damage. 1530CST Funnel Cloud A funnel cloud was sighted over Dixie Inn in Webster Parish. 1547CST Funnel Cloud A funnel cloud was sighted over the Minden Airport. Webster Parish. 1600CST Funnel Cloud A funnel cloud was sighted south of Homer in Claiborne Parish.
Union Parish	04	1650CST								Funnel Clouds Funnel clouds were reported over Farmerville and between Bernice and Dubach. No damage reported.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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	

LOUISIANA

Desoto Parish	04	1710CST	short	50	4	Tornado (F0)	A thunderstorm produced a tornado 2.5 miles west of Grand Cane. Track was very short with a few trees uprooted and two homes slightly damaged.		
Bienville, Jackson, and Lincoln Parishes	04	1855CST				SVR TSTM	A severe thunderstorm moved northern Bienville, southern Lincoln and northern Jackson Parishes. The storm produced golfball to baseball size hail and strong winds. Reported damage was confined to trees. Estimate not available.		
Richland Parish	04	2030CST				SVR TSTM	A severe thunderstorm moved across the parish with large hail and strong winds and golfball size hail. No damage reported.		
Northern portion of the State	04-	Night				5	Heavy Rain		
	05						Local rainfall amounts of 4 to 6 inches produced areas of local flooding across most of northern Louisiana. Numerous backroads were reported closed and several bridges were severely damaged.		
Madison and East Carroll Parish	16	1920CST				?	?	SVR TSTM	
							Severe thunderstorms were observed in these two parishes with 1 inch diameter hail at Epps in East Carroll Parish and 1 inch diameter hail northwest of Tallulah in Madison Parish. No damage estimate available.		
Pointe Coupee Parish	24	0300CST				6	SVR TSTM		
							A severe thunderstorm moved across the parish with large hail and high winds. Bark was stripped from the windward side of many trees. Also, widespread damage to automobiles was also reported.		
Claiborne Parish	27	1805CST	2	150		2	4	Tornado (F1)	
							A severe thunderstorm moved across Claiborne Parish and produced golfball size hail at both Evergreen and Homer. A tornado was reported 7 miles southwest of Lisbon. The path was through open fields and forest with damage confined to fences and trees.		
Caddo and Bossier Parish	27	1840CST	short	100		4	4	Tornado (F1)	
							A severe thunderstorm moved across the northern portions of both Caddo and Bossier parishes. Hail and wind damage to trees was reported with this storm. A tornado was reported to have touched down briefly 5 miles southeast of Mira. Trees and fences were destroyed.		
Caddo and Bossier Parishes	27	1950CST				?	?	SVR TSTM	
							The second in a series of severe thunderstorms moved across the northern sections of Caddo and Bossier Parishes. Hail 1 to 1.5 inches in diameter was reported at Rodessa, Mira, and Vivian in Caddo Parish. Also, wind damage and golfball size hail was reported north of Benton in Bossier Parish. Damage was confined mainly to trees.		
Lincoln Parish	27	2007CST				?	?	SVR TSTM	
							A severe thunderstorm produced hail .75 inch in diameter south of Ruston.		
Ouachita Parish	27	2010CST				?	3	SVR TSTM	
							A severe thunderstorm produced hail .75 inch in diameter at Monroe. Also, minor wind damage to trees occurred during the storm.		
Richland Parish	27	2055CST				?	?	SVR TSTM	
							A severe thunderstorm produced hail 1.5 inches in diameter and 60 mph winds at Rayville in Richland Parish. Only tree damage was reported.		
Madison and East Carroll Parishes	27	2125CST				?	?	SVR TSTM	
							A severe thunderstorm produced hail 1 inch in diameter at both Waverly in Madison Parish and Sondheimer in East Carroll Parish.		
Union Parish	27	2140CST					SVR TSTM		
							One inch diameter hail was reported 12 miles west of the town of Farmerville. No damage reported.		
Sabine and Natchitoches Parishes	27	2140CST					SVR TSTM		
							Hail 1 inch in diameter was reported at both Many and Natchitoches as a severe thunderstorm passed through that area.		
Winn Parish	27	2150CST					SVR TSTM		
							A severe thunderstorm produced hail 1 inch in diameter and 50 mph winds near Atlanta. No damage was reported.		

17 MAINE ————— NO REPORT RECEIVED

18 MARYLAND and D.C.

North Central, Western & D.C.	8	0	0	0	0	0	Snow			
							Low pressure moved eastward from the Ohio Valley bringing heavy snow to much of the area. Snow fell at a rate of 2 to 4 inches per hour during part of the storm over many localities. Precipitation began in the western counties of Maryland during the early afternoon with amounts of 6 to 8 inches falling from Frederick County westward through Allegany and Garrett Counties. Elsewhere, from 2 to 4 inches of snow fell, disrupting or immobilizing rush-hour traffic over the Washington-Baltimore metropolitan region.			
Central, Western & D.C.	13	Early				0	0	4	0	Freezing Rain, Sleet, Snow
							From 1 to 2 inches of mixed frozen precipitation hit the metropolitan Baltimore-Washington area during the early morning hours, disrupting traffic and causing power outages due to ice-laden trees and wires. From Frederick County westward, 4 to 6 inches of snow was reported.			
Easton	21	0600EST				0	0	3	0	Lightning
							A bolt of lightning struck a tree in close proximity to a home in Easton, breaking all the windows on one side of the residence. In addition, the chimney of a neighboring house was smashed by debris from the disintegrated tree.			
Western	21	Morning				0	0	5	0	Wind, Sleet, Snow
							Winds accompanying a strong cold front destroyed a 60-70% completed church in Boonesboro, with loss estimated at \$150,000. In nearby Hagerstown, a large display window was blown out of a department store. Over Allegany and Garrett Counties, rain changed to mixed sleet and snow. The resulting 3-inch slushy cover caused many accidents and traffic tie-ups in the two western-most counties.			
STATEWIDE & D.C.	28-					2	1	7	0	Wind, Rain, High Tides, Snow
	29						A rapidly-intensifying low pressure system moved out of the Mississippi Valley during the afternoon and evening of the 28th and continued on toward the northeast late on the 29th. As the center passed through central Maryland, the lowest atmospheric pressure ever recorded at Baltimore-Washington International Airport for the month of March, .28.78 inches, occurred early on the 29th. Rainfall of 2 to 3 inches was common and wind gusts to 60-80 mph were registered along the coast. Waves 15 feet high washed away sections of boardwalk and eroded a portion of the beach at Ocean City. In separate occurrences, falling trees struck two automobiles in the District of Columbia, fatally injuring two persons and hospitalizing another. Wind, rain and falling trees took a widespread toll in damage with the heaviest losses over eastern Maryland. In what was termed the most severe since the great March 1962 storm, communities along the lower end of Chesapeake Bay were hit especially hard. In Crisfield 300 homes were damaged and up to 4 feet of water covered roads. In what long-time residents called the worst storm in 50 years. At nearby Smith Island an estimated one-quarter million dollars damage was caused by very high tides. Elsewhere, in Somerset County thousands of chickens were drowned, an additional 300 homes were victims of high water, and 150 people had to be evacuated. To the west, numerous homes in Cumberland had flooded basements. Rain changed to snow as cold air moved in on the 29th, with 4 to 8 inches of wet snow falling in Allegany and Garrett Counties. Lesser amounts also fell over areas to the east.			

19 MASSACHUSETTS

Southeastern Massachusetts, Cape Cod and Islands	09	Morning	0	0	0	0	Heavy Snow, Blowing Snow, High Winds			
							Winds from the northeast gusted up to 70 mph over Cape Cod and the Islands with snow accumulations of 8 to 14 inches in that area. The high winds caused considerable blowing and drifting snow which reduced visibility to near zero. The snowfall was of a powdery texture owing to cold temperatures in the 20's. The storm, termed an "Alberta Clipper", moved southeast from the Northern Plains states and off the Mid-Atlantic coast, passing rapidly northeastward to the southeast of Cape Cod.			
Statewide	29	All Day				2	1	7	0	Heavy, Wet Snow, High Winds & Coastal Flooding
							A savage, early Spring coastal storm caused millions of dollars in damage to power lines and property. Northeast winds gusting to hurricane force along the coast resulted in tidal flooding. A short distance inland, the suburbs west and southwest of Boston had heavy, wet snow which combined with the high winds to cause tremendous damage to trees and power lines. The Boston Edison Power Co., serving this area, reported that up to 150,000 customers were without electric power at the height of the storm. The area hit especially hard included: Needham, Wellesley, Newton, W. Roxbury, Dedham, Canton, Stoughton, Walpole, and Westwood. Many people went without power in this area for up to three to five days after the storm. For the power company it meant bringing in out-of-state repair crews to help out. Residents without heat, in some cases, were forced out of their homes. Peak wind gusts reached 80 to 90 mph along the Massachusetts coast south of Boston with a peak gust of 108 mph from the ENE at Blue Hill Observatory, Milton. In Beverly, a man was killed when a tree fell on his van, and, in Boston, a man was electrocuted by a			

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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	

MASSACHUSETTS

fallen electric wire. On Cape Cod, at Orleans, the 473 ft. freighter "Eldia" was driven hard aground and 23 crewmen were evacuated from the ship by Coast Guard helicopter. On Nantucket Island, the 71 ft. high Great Point Lighthouse built in 1818 was toppled by heavy seas. Damage to property was very heavy with 700-800 trees knocked down. 25 houses were seriously damaged in just the town of Needham alone, one of the areas with the most storm damage. Farther inland, there was 17 inches of snow at Worcester. However, there the snow was not as wet as nearer the coast, so there was not as much tree and power line damage. There was some wind damage, however, in central Massachusetts, with wind gusts to 50 to 60 mph. Cape Cod had rain with high winds.

State police closed the Bourne Bridge over the Cape Cod Canal after a truck overturned in the high winds gusting near 90 mph. The driver of the truck was injured. The Sagamore Bridge to the Cape was closed to trucks and buses during the afternoon following the accident, which occurred around noon. Peak wind gusts were recorded to 98 mph at Canal Electric near the east end of the Canal. Wind gusts at Provincetown reached 82 mph. About 8500 electric customers lost service during the storm on Cape Cod. A total of about 250,000 were without power statewide, which represents a million people, making this the greatest power failure since the Great Northeast Blackout in 1965. Thunder and lightning was reported during this storm from many locations in eastern portions of the state. Wind gusts at Martha's Vineyard to 97 mph.

Southboro 29 1600-1800EST 0 0 0 0 Downburst wind
A most unusual occurrence during the "Northeaster" blizzard was a very powerful downburst wind which sheared off four to five acres of red pine trees at a height of about 20 feet off the ground. This site was investigated by the NWS by helicopter and determined to be a "microburst". A thunderstorm with frequent lightning was reported in the area with cloudtops to 36,000 feet. It was first thought that the very unusual swath of damage was caused by a tornado. The location was off Middle Road near the dam at the Sudbury Reservoir.

20 MICHIGAN ————— NONE REPORTED

21 MINNESOTA

Southern Minnesota 4/5 0 1 0 0 Heavy Snow
A late winter storm dropped 6 to 20 inches of heavy wet snow over southern Minnesota starting early morning on the 4th and lasting into the 5th. Northwest winds 20-40 mph drifted many roads closed on the 5th. Twenty inches of snow was reported at Montevideo and Maynard. Most of the southwest and south central portions of Minnesota received a foot or more of snow. One man broke his foot while walking in the storm after his car stalled in the heavy snow.

22 MISSISSIPPI

Pontotoc County 19 1700 CST 0 0 3 0 High Winds
Severe thunderstorm winds blew down trees and power lines and damaged a house just west of Pontotoc.

Monroe County 19 1730 CST 0 0 5 0 Funnel/Winds
Severe thunderstorm winds damaged a small factory, and destroyed a gas station awning in Amory. The Mississippi Highway Patrol reported a funnel cloud southwest of Amory.

Chickasaw County 19 1740 CST 0 0 4 0 High Winds
A number of small farm buildings and a portable sign were destroyed as thunderstorms moved across the county.

Pearl River County 19 ? 0 1 0 0 Lightning
A Pearl River utility worker was knocked down when lightning struck close to him as he was walking through a farm gate. He was hospitalized and released the next day.

Newton County 24 1000 CST 0 0 4 0 Lightning
Lightning started a fire at a convenience store gas pump and struck the high school in Hickory.

Forrest County 24 1120 CST 0 0 ? ? High Winds
A large number of trees were blown down and blocked U.S. Highway 49 in northern Forrest County.

Washington County 24 1245 CST 0 0 2 0 Hail
Some tree damage and one inch hail was reported in central Washington County.

Green County 24 1845 CST 0 0 4 3 Winds/Hail
Two small farm buildings were destroyed along with a large amount of timber in the Piave Community. Hail 3/4 inches in diameter was reported in Leakesville.

MISSISSIPPI

Neshoba and Kemper Counties 27 1405 CST 0 0 0 0 Hail
Hail near 3/4 inches in diameter fell in Philadelphia and DeKalb.

Oktibbeha County 27 2300 CST 0 0 4 0 High Winds
A small brick house was destroyed when it was struck by a falling tree. Trees were reported down in many locations. Three barns were damaged or destroyed.

23 MISSOURI

McDonald 3 2230CST 0 0 0 0 Large Hail
Hail to one inch diameter at Pineville.

Newton 4 0135CST 0 0 0 0 Large Hail
Hail to 3/4 inch diameter at Neosho.

Benton 15 1503CST 0 0 0 0 Large Hail
Hail to 3/4 inch diameter at Edwards.

Saline 15 1507CST 0 0 0 0 Large Hail
Hail to one inch diameter at Sweet Springs.

Benton 15 1520CST 0 0 0 0 Large Hail
Hail to 3/4 inch diameter in extreme southeast portion of the county.

Jasper 15 1525CST 0 0 0 0 Large Hail
Hail to 3/4 inch diameter at Carl Junction.

Lewis 15 1530CST 0 0 2 0 Damaging Wind
Mobile home damaged in Benjamin.

Morgan 15 1533CST 0 0 0 0 Large Hail
Hail to 3/4 inch diameter between Stover and Fortuna.

Morgan 15 1535CST 0 0 0 0 Large Hail
Hail to 3/4 inch diameter near Cravois Mills.

Pike 15 1540CST 0 0 2 0 Damaging Wind
Trees damaged in extreme southeast portion just east of Paynesville.

Randolph 15 1555CST 0 0 0 0 Large Hail
Hail to 3/4 inch diameter at Huntsville.

Hickory 15 1558CST 0 0 0 0 Large Hail
Hail to 3/4 inch at Quincy.

Newton 15 1600CST 0 0 0 0 High Wind
Wind to 60 mph estimated at one mile south of Diamond. The wind lifted a semi-trailer bed.

Cole 15 1600CST 0 0 ? ? Large Hail
Hail to 1 3/4 inch diameter near Russellville.

Camden 15 1609CST 0 0 0 0 Large Hail
Hail to one inch diameter at Osage Beach.

Camden 15 1610CST 0 0 0 0 Large Hail
Hail to 3/4 inch diameter just south of Osage Beach.

Randolph 15 1610CST 0 0 2 0 Large Hail
Hail to 1 3/4 inch diameter broke windows at Huntsville.

Boone 15 1615CST 0 0 0 0 Large Hail
Hail to one inch diameter near Ashland.

Polk 15 1617CST 0 0 0 0 High Wind
Wind to 60 mph at Humansville.

Greene 15 1618CST 0 0 0 0 Large Hail
Hail to 3/4 inch diameter at Walnut Grove.

Polk 15 1620CST 0 0 0 0 Large Hail
Hail to 1 1/2 inch diameter at Flemington. No damage reported.

Cole 15 1620CST 0 0 0 0 Large Hail
Hail to 3/4 inch diameter in Jefferson City.

Benton/Camden 15 1620CST 0 0 2 0 Damaging Wind
Wind blew off roof from barn on the County Line of Benton and Camden just off highway 7.

Boone 15 1622CST 0 0 0 0 Large Hail
Hail to 3/4 inch diameter just west of Columbia.

Cole 15 1623CST 0 0 0 0 Large Hail
Hail to one inch diameter just west of Jefferson City.

Morgan 15 1625CST 0 0 ? ? Large Hail
Hail to tennis ball size 4 miles west of Eldon.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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	

MISSOURI

Cole	15	1640CST			0	0	0	0	Large Hail
Hail to one inch diameter in Jefferson City.									
Boone	15	1641CST			0	0	0	0	High Wind
Wind to 64 mph at Columbia Regional Airport.									
Cole	15	1643CST	1/8	50	0	0	0	0	Tornado (FO)
A tornado touched down briefly 2 miles east of Jefferson City without any apparent damage.									
Greene	15	1645CST			0	0	?	?	Large Hail
Hail to golf ball size at Republic. No damage reported.									
Ralls	15	1700CST			0	0	4	0	Damaging Wind
Trailer overturned and roof and porch damaged near Saverton.									
Marion	15	1720CST			0	0	3	0	Damaging Wind
Large tree limbs downed and power lines down in Hamibal.									
Gasconade	15	1725CST			0	0	0	0	High Wind
Wind to 60 mph 2 miles west of Hermann.									
Pulaski	15	1720-1730CST			0	0	4	0	Damaging Wind
Tree and roof damage across the county.									
Phelps	15	1732CST			0	0	4	0	Damaging Wind
Wind damage to trees and small buildings just west of Rolla.									
Gasconade	15	1740CST			0	0	0	0	Large Hail
Hail to one inch diameter at Owensville.									
Franklin	15	1755CST			0	0	3	0	Large Hail
Hail damaged a patrol car 5 miles west of Washington. Winds 50 to 60 mph.									
Franklin	15	1757CST			0	0	0	0	High Wind
Wind to 70 mph at Washington.									
ST. Louis County	15	1800CST			0	0	3	0	Damaging Wind
Wind damage to trees at Gray Summit.									
ST. Louis County	15	1808CST			0	0	0	0	High Wind
Wind gusts to 56 knots (64 mph) at Spirit of ST. Louis Airport.									
ST. Charles	15	1809CST			0	0	0	0	High Wind
Wind gusts to 61 mph at the Forecast Office in ST. Peters.									
Franklin	15	1812CST			0	0	0	0	High Wind
Wind to 50 knots (57 mph) at Pacific.									
Franklin	15	1820CST			0	0	2	0	Damaging Wind
Mobile home overturned in Union.									
ST. Louis City	15	1830CST			0	0	?	0	Large Hail
Hail to golf ball size in the city.									
ST. Louis County	15	1835CST			0	0	2	0	Damaging Wind
A 35 ft radio tower blown down in South County.									
Franklin	15	1840CST			0	0	3	0	Damaging Wind
Windows blown out of vehicles and guard tower at the Missouri State Prison in Pacific. Gravel blown from road 250 yards.									
Franklin	15	1845CST			0	0	2	0	Damaging Wind
Mobile home blown over in Washington.									
Howell	16	2015CST			0	0	0	0	Large Hail
Hail to golf ball size at Pomona.									
Jasper	16	2200CST			0	0	0	0	High Wind
Wind to 60 mph at Joplin Airport.									
Barry	16	2251CST			0	0	0	0	Large Hail
Hail to 3/4 inch and wind 60 mph at WSMO Monett.									
Greene	16	2345CST			0	0	0	0	Large Hail
Hail to 3/4 inch diameter in Republic.									

MISSOURI

Barry, Webster, Wright, Texas and Howell.	18	1012-2100CST			3	?	5	?	Flash Flooding
At approximately 5 pm on Sunday, March 18 a pickup truck with a driver and four passengers attempted to cross a low water bridge on a gravel road 1 3/4 miles northeast of Tyrone in Howell County. The normally low water creek was running fast and high. The truck washed downstream. The driver and two passengers drowned. A few minutes earlier, another vehicle had washed downstream but the driver and passengers escaped. The driver of the truck was not aware of the earlier vehicle being washed downstream and may not been aware that a flash flood watch was in effect. Flooding was general over the area but mostly in low lying areas. The flash flooding in Barry County was between 1012 AM and 1 PM. Flooding was reported in Webster and Wright Counties from 335 to 630 PM. The flash flooding took place in Texas and Howell Counties from around 5 PM to 9 PM. Some roads were closed.									
Northwest and Central Missouri	18-19				0	?	6	?	Winter Storm (ice storm)
An ice storm with some heavy snow in some locations did extensive damage from northwest through north central portions. The thick ice downed wires and tree limbs. Some rural areas were left without electricity for up to a week. The worst of the ice accumulation extended from the Kansas City area to Maryville and across north central Missouri. Four to six inches of snow also fell over portions of extreme northwest Missouri on top of the ice.									

24 MONTANA

NONE REPORTED

25 NEBRASKA

North Central and Northeast Nebraska	3-4	Night-Morning			0	0	0	0	Heavy Snow
Snow accumulated 5 inches at Bartlett, Norfolk, O'Neill, and 4 inches at Ainsworth.									
Panhandle Nebraska	7	1150CST			0	0	?	0	High wind
Wind gusted to 60MPH at Chadron Airport. No damage was reported in the area.									
North Central and Northeast Nebraska	7-8	Night-Morning			0	0	0	0	Ground Blizzard
Light snow combined with north winds gusting 50-55MPH resulted in ground blizzard conditions, which reduced visibility to near zero in blowing and drifting snow. Accidents occurred and some roads closed as drifts to near 4 feet were reported in some areas.									
Southeast Nebraska	11-12	Evening-Morning			0	0	0	0	Heavy Snow
Eight to nine inches of snow was reported at Falls City, five inches at Beatrice and four inches at Lincoln and Nebraska City.									
North Central and Northeast Nebraska	16-17	Afternoon-Morning			0	0	0	0	Heavy Snow
Snowfall of 4 inches or more was reported north of a line from Bellevue to Wood River to Mullen to just west of Valentine. An area in excess of 8 inches fell in the region bounded from Niobrara to Chambers to Butte with a maximum report of 11 inches at O'Neill.									
Southwest, South Central and Southeast Nebraska	18-19	Morning-Morning			0	0	5	0	Heavy Snow
Snow accumulated 4 inches or more south of a line from Plattsmouth to Columbus to North Loup to Imperial. Heavy wet snowfall of 12 inches or more fell in portions of south central and southwest Nebraska in an area bounded from Alma to Clay Center to Moorefield to Haigler. Some of the heavier reports in this area included 21 inches at Cambridge, 17 inches at McCook, 16 inches at Beaver City and 15 inches at Trenton, Arapahoe, Odessa, and Cairo. Many roads including portions of I-80 were closed stranding travelers. Thunder was reported with the snow and winds gusting at times 35-45MPH caused some drifting. Some freezing rain and sleet fell with the storm in southeast Nebraska. Loss to livestock was reported in southwest Nebraska along with utility damage.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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	
26 NEVADA									
Clark County, Las Vegas	17	1349-1449PST			0	0	none known	0	High Wind
Strong wind after a strong cold frontal passage.									
Clark County, Las Vegas	21	1955-2100PST			0	0	none known	0	High Wind
Strong wind after a strong cold frontal passage.									
27 NEW HAMPSHIRE ————— NO REPORT RECEIVED									
28 NEW JERSEY									
Coastal Areas	13	Early Morning through Midnight			0	0	0	0	Snow, Freezing Rain and Sleet
Snow changed to freezing rain and sleet, leaving roadways slick and hazardous. Driving was treacherous due to icy patches on the roads and broken tree limbs. Power lines were down and many homes experienced power outages due to ice-coated wires.									
Coastal Areas	29	All Day			0	0	7	?	Winter Storm with High Winds and Flooding
Near hurricane force winds drove the ocean over the sea walls and bulk heads into the streets of nearly every community on the barrier islands. The degree of flooding reached severe levels around 0430EST and reached a tide height several feet above mean low water. Winds reached near hurricane strength at the State Marina in Atlantic City before the anemometer fell victim to the storm. A limited state of emergency was declared for several counties of New Jersey. The storm moved off the Jersey coast and accelerated northeast. Winds along the shore shifted from the east northeast to the northeast and continued arcing to the north. It was this shift that prevented any more severe flooding.									
29 NEW MEXICO ————— NONE REPORTED									
30 NEW YORK, Coastal									
Extreme SE, Nassau Co., Suffolk Co., New York City and Westchester	18-9	1655-0825EST			0	0	0	0	Snow and High Winds
A winter storm warning was issued. The driving snow and winds forced the Metropolitan Area's three major airports to shut down operations. Departures were slated at Newark Airport only. Highway visibility was poor due to blowing snow. Driving conditions were slippery and hazardous. Westchester Airport was also closed.									
Extreme SE, Nassau Co., Suffolk Co., New York City and Westchester	13	0400EST through Midnight			0	0	0	0	Winter Storm Flooding
A winter storm warning was in effect. A mixture of snow, freezing rain and sleet caused roadways to become slick and hazardous. The rain caused flood-inducing downpours. Some residents were without lights for hours due to ice-coated wires that fell during the night.									
Extreme SE, Nassau Co., Suffolk Co., New York City and Westchester	29	All Day			0	0	7	0	Winter Storm Floods
A brutal winter storm was felt throughout the coastal areas with rain, snow, sleet and fierce winds. A winter storm warning was in effect and flood warnings were up for the coastal areas with flash flood watches. The storm devastated many low-lying areas. A state of emergency was declared covering several areas along the coast due to the ferocious combination of rain, flood waters and fierce winds. Many families were evacuated from their homes along coastal areas. High tides swept through low-lying areas ripping off several hundred feet of boardwalk throughout the shorelines. Trees were uprooted, roofs were blown off and power lines were powerless.									
30 NEW YORK, Central									
AREA WIDE	05	PM			1	5	4	0	Snowstorm
One person was killed in Ulster County when they lost control of a car on snow-covered roads. Snowfall totaled about 4 inches.									
NEW YORK, Central									
AREA WIDE	13	AM			7	17	5	0	Freezing Rain/Snowstorm
A snow/rain storm which moved slowly through the area left a water content of near 2 inches. The effects of the storm dragged on for 3 days. Freezing rain left many areas with poor road conditions and power outages. One man died in Clinton County. Snow amounted to about 18-20 inches in Saratoga County, which was one of the hardest hit.									
AREA WIDE	18	PM			1	8	5	0	Freezing Rain
Freezing rain fell in the Mohawk Valley Sunday night. This produced some fender-benders and scattered power outages in the Valley. One result of the freezing rain was schools in Fishkill, Ulster County closed. One young lad decided to climb Honess Peak. The boy broke his leg in a fall on the mountain and had to be rescued.									
AREA WIDE	28	AM			8	23	7	0	Snowstorm
A major Noreaster hit Eastern New York bringing snowfall of up to 12 inches in parts of the Mohawk Valley and Southern Adirondacks. Flooding from ocean surf was a problem along the lower portion of the Hudson River. Power lines and trees fell as strong winds blew. In Orange and Putnam Counties snow mixed with and changed to rain, which created flood problems. All deaths were associated with auto accidents due to bad road conditions or snow removal.									
30 NEW YORK, Western									
Buffalo Area and Parts of Western and Central New York	11						6		Snow and Wind
A snowstorm with strong winds forced the closure of the Buffalo International Airport for 6 hours. There were many vehicular accidents due to poor driving conditions. Dozens of persons were injured in these accidents. A few were killed. Many trees were blown down. Northern Steuben County reported power blackouts.									
Clarence, Erie County	16	Morning					4		Lightning
A lightning bolt ignited a house during a rainstorm.									
Parts of Monroe County	22								Snow
Thawing temperatures on the 20th and 21st melted a considerable amount of snow. The melt caused many streams to rise and inundate a few streets and poorly drained areas.									
Parts of Allegany, Southern Tier Counties and parts of Central New York	29-30						6		Snow and Wind
A severe winter storm produced up to 2 feet of snow and forced the closure of businesses and schools. Many roads were impassable due to deep snow. The roads that were open were dotted with abandoned cars. Many of these cars were involved in vehicular accidents attributed to poor driving conditions. A few passengers were reportedly killed. Dozens were injured.									
Weak structures such as old barns collapsed from the heavy snow.									
Trees were uprooted. Power lines broke. Blackouts lasted up to six hours in the Southern Tier Counties.									
31 NORTH CAROLINA									
Asheville, Buncombe County	08	1600EST			1	1	0	0	High Winds
Two elderly women were thrown to the ground by strong winds in a freak accident that resulted in the death of one woman and the injury of the other. Winds gusted to 72 mph at the Asheville Regional Airport during the time of the accident.									
Whitehouse, Rutherford County	20	Late PM			0	0	3	0	Thunderstorm
Strong winds associated with a thunderstorm tore the porch off of a house, and downed numerous trees resulting in power outages.									
Monroe, Union County	20	2130EST			0	0	4	0	Thunderstorm
Strong thunderstorm winds blew several trees onto a house and overturned an empty tractor trailer rig five miles southwest of the city. Several outbuildings were also damaged by the winds.									
New London, Cabarrus County	20	2300EST			0	0	3	0	Thunderstorm
A farm-building was destroyed by strong thunderstorm winds.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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	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	PROPERTY	CROPS	

NORTH CAROLINA

Hoke, Harnett, Robeson and Scotland Counties	20	2330EST	0	3	5	0	Thunderstorm	A severe thunderstorm moved thru the four county area, uprooting trees and causing power outages. A mobile home and two tractor trailer rigs were overturned near Laurinburg in southern Scotland County. Another mobile home was overturned just west of Lumberton in Robeson County, and a third mobile home was destroyed in Hoke County, near Pine Hill injuring three people.			
Lee County	21	0000EST	0	0	4	0	Thunderstorm	Two mobile homes were overturned and a home was damaged between Sanford and Broadway by strong thunderstorm winds which also destroyed several outbuildings.			
Wake County	21	0030-0100EST	0	0	4	0	Thunderstorm Winds	Strong thunderstorm winds, which gusted to 60 mph at North Carolina State University, downed trees and powerlines throughout the eastern part of the county. A mobile home in Garner was overturned by the storm, which also spawned a funnel cloud aloft near Highway 64 in Knightdale.			
Durham, Durham County	21	0045-0100EST	0	0	4	0	Thunderstorm Winds	High winds associated with a severe thunderstorm moved through the southeastern part of the county uprooting trees and damaging several homes. Thousands of homes were temporarily without power.			
Nekina, Columbus County	21	0115EST	0	3	4	0	Thunderstorm Winds	Severe thunderstorm winds overturned a mobile home six miles southeast of the town, injuring three people. A second trailer was moved off its foundation, and an outbuilding was destroyed.			
Long Beach, Brunswick County	21	0145EST	0	0	3	0	Thunderstorm Winds	Several homes were damaged by high winds, including one house which had its porch torn off and deposited into the street 30 yards away.			
Vance and Warren Counties	21	0150-0200EST	0	0	5	0	Thunderstorm Winds/Funnel Cloud	Strong winds associated with a severe thunderstorm moved through the two counties destroying a home and two trailers near Middleburg in Vance County. Another trailer was destroyed near Afton in Warren County. A funnel cloud was also observed in the area.			
Long Beach, Brunswick County	25	0830EST	0	0	5	0	Thunderstorm Winds	Strong winds damaged 38 homes along the beach-front and overturned 5 trailers. Seven airplanes were damaged, one totally, at the Brunswick County Airport			
Columbus County	28	1700EST	0	0	0	0	Hail	A severe thunderstorm moved eastward through Columbus County accompanied by large hail.			
Union County	28	1810EST	1/4	33	0	0	4	0	Tornado (F1)	A tornado touched down in rural Union County about 10 miles north of Monroe. One mobile home was destroyed and two were damaged. A garage was also destroyed.	
Cumberland, Harnett and Johnston Counties	28	1825-1915EST	0	0	0	0	0	0	Hail	A severe thunderstorm formed over Cumberland and moved northeastward over Harnett and Johnston Counties producing large hail at the following locations: 1825EST Golf ball size hail at Hope Mill, Cumberland County. 1835EST Golf ball size hail in Fayetteville, Cumberland County. 1855EST Baseball size hail in northern Cumberland County. 1905EST Golf ball size hail at Erwin Inn, Harnett County. 1915EST Golf ball size hail near Benson in southern Johnston County.	

NORTH CAROLINA

Dundarrach, Hoke County	28	1900EST	0	0	0	0	0	0	0	Hail	A severe thunderstorm produced 3/4 inch hail at Dundarrach in southeastern Hoke County.	
Carthage, Moore County	28	1910EST	0	0	0	0	0	0	0	Hail	A severe thunderstorm produced golf ball size hail at Carthage in east central Moore County.	
Scotland County	28	1925EST	3	2113	0	0	6	0	0	Tornado (F4)	A tornado that tore through Bennettsville, South Carolina, moved northeastward crossing into Scotland County before dissipating. The total path length for both states was 16 miles.	
Scotland, Robeson, and Cumberland Counties	28	1925EST	38	2640	3	280	6	0	0	Tornado (F4)	The tornado that struck McColl, South Carolina, moved northeastward for 38 miles, ending in southern Cumberland County. It hit Maxton at 1930EST and Red Springs 10 minutes later, both in Robeson County, killing 3 and injuring 280. This tornado traveled in tandem with the Bennettsville, South Carolina, tornado for about 10 miles. The width of this tornado reached 2.5 miles at its widest point. The total path length for both states was 45 miles.	
Bladen, Cumberland, and Sampson Counties	28	1945EST	41	1407	12	101	7	0	0	Tornado (F3)	The tornado touched down 5 miles northeast of Tobermory in northwest Bladen County, traveled northeast about 60 mph, striking the community of Beaver Dam in Cumberland County where two lives were lost and vast sections of pine forest were leveled. The tornado then moved into Sampson County destroying portions of the town of Salemburg, killing one person in Salemburg and two in rural Roseboro. It then continued across Sampson County killing 6 residents of rural Clinton.	
Nash County	28	2010EST	2	177	0	0	6	0	0	Tornado (F2)	The tornado touched down between Rocky Mount and Interstate 95. It moved northeastward causing considerable damage in the settlement of West Mount.	
Sampson, Duplin, and Wayne Counties	28	2015EST	21	1407	3	149	7	0	0	Tornado (F4)	The tornado touched down about 5 miles northeast of Clinton in central Sampson County where one person was killed. It moved northeastward across the northwestern tip of Duplin County inflicting considerable damage to the towns of Faison and Calypso. Moving into Wayne County, the tornado killed 2 people in Mt. Olive.	
Wayne and Lenoir Counties	28	2030EST	9	527	0	81	7	0	0	Tornado (F3)	The tornado touched down in extreme southeastern Wayne County and moved northeastward about 45 mph into Lenoir County southeast of La Grange.	
Lenoir, Greene, and Pitt Counties	28	2045EST	38	1223	16	153	7	0	0	Tornado (F4)	The tornado touched down just northeast of La Grange in Lenoir County, moved northeastward crossing central Pitt County, passing just east of Greenville. This storm killed sixteen, the largest toll of any tornado during the outbreak. There were six deaths in rural Snow Hill, Greene County, two in Ayden, Pitt County, one in Winterville, Pitt County and six in rural Greenville.	
Bertie County	28	2055EST	6	880	6	19	6	0	0	Tornado (F3)	The tornado touched down just west of Lewiston and moved northeastward, destroying a mobile home park where six people were killed, five of whom were members of the same family.	
Bertie and Hertford Counties	28	2110EST	5	527	0	7	6	0	0	Tornado (F2)	The tornado touched down in extreme north central Bertie County and crossed into Hertford County traveling northeastward to a point a short distance to the southeast of Ahsokie where it dissipated.	
Hertford County	28	2120EST	1	177	0	0	6	0	0	Tornado (F1)	The tornado touched down briefly near Harrellsville in southeast Hertford County.	
Gates County	28	2130EST	14	880	2	10	6	0	0	Tornado (F3)	A tornado touched down near the Chowan River in western Gates County and traveled northeast across the southern portions of the county. Nine homes and seven mobile homes were destroyed. Thirty-nine homes were damaged.	

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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	
— NORTH CAROLINA									
Columbus County	28	2145EST	2	352	0	0	6	0	Tornado (F2)
		The tornado touched down in South Carolina and moved northeastward crossing into North Carolina in southwestern Columbus County at Tabor City. The total path length in both states was 9 miles.							
Beaufort County	28	2200EST			0	0	0	?	Thunderstorm Winds
		Significant damage to large trees in extreme western part of the county along Highway 264.							
Washington County	28	2215EST			0	0	0	?	Thunderstorm Winds
		Significant damage to large trees in extreme western part of the county south of Plymouth.							
Chowan and Perquimans Counties	28	2215EST	6	176	1	1	5	0	Waterspout/ Tornado (F2)
		A tornado began as a waterspout over Albemarle Sound. It moved onshore in southern Chowan County and crossed into southern Perquimans County where one person was killed and one injured when a tree fell on a mobile home.							
32 NORTH DAKOTA									
West and Central	07				0	0	0	0	Winter Storm
		A winter storm with very strong northerly winds (gusts to 58mph at Dickinson in Stark County, 55mph at Bismarck in Burleigh County and 53mph at Williston in Williams County, and snow amounts of up to 6 inches in the Minot area in Ward County) caused near blizzard conditions with wind chills of 20 to 40 below. Because of the storm, at least 75 school districts cancelled classes, plane flights were cancelled, buses delayed, a few businesses closed, and some vehicles were blown into ditches.							
East	10				0	0	2	0	Winter Storm
		A winter storm with extremely strong winds (gusts to 63mph at Devils Lake in Ramsey County and 61mph at Grand Forks in Grand Forks County) caused near blizzard conditions for several hours. Due to poor visibilities caused by blowing snow, thousands of shoppers were stranded in Fargo (Cass County) for a short time and plane flights were delayed. The high winds blew several cars into ditches and blew over signs.							
33 OHIO									
Entire State	08-09				0	0	5 ⁰	C	Heavy Snow and Extreme Cold
		A late winter storm dumped 4 to 8 inches of snow across the state as temperatures plunged to record lows. Early morning temperatures were below zero across most of the state. The snow and cold did considerable damage to the state's fruit crops.							
Entire State	21-26				0	0	6	0	Flooding
		A combination of snowmelt and rainfall caused flooding in most areas of the state. Many roads were closed and bridges washed out. Flooding occurred along the following rivers: Maumee, Blanchard, Scioto, Hocking, Cuyahoga, Sandusky, Huron, Portage and Mahoning.							
34 OKLAHOMA									
Medford, Grant County	03	1630CST			0	0	?	?	Hail
		7/8 inch size hail covered the ground.							
Numa, Grant County	03	1720CST			0	0	?	?	Hail
		3/4 inch size hail fell 3 miles north of Numa.							
Braman, Kay County	03	1730CST			0	0	?	?	Hail
		1 and 1/4 inch size hail fell.							
Bartlesville, Washington County	03	1820CST			0	0	?	?	Hail
		Golfball size hail fell just north of Bartlesville.							
Purcell, McClain County	03	2015CST			0	0	?	?	Hail
		3/4 inch size hail fell.							
Lindsay, Garvin County	03	2019CST			0	0	?	?	Hail
		3/4 inch size hail fell.							
Lexington, Cleveland County	03	2038CST			0	0	?	?	Hail
		3/4 inch size hail fell.							
Wayne, McClain County	03	2043CST			0	0	?	?	Hail
		One inch size hail fell.							
Purcell, McClain County	03	2045CST			0	0	?	?	Hail
		3/4 inch size hail fell.							
Byars, McClain County	03	2115CST			0	0	?	?	Hail
		One inch size hail fell 3 miles northwest of Byars.							
Seminole, Seminole County	03	2115CST			0	0	?	?	Hail
		Golfball size hail fell for about 30 minutes.							
Asher, Pottawatomie County	03	2130CST			0	0	?	?	Hail
		One and 1/4 inch size hail covered the ground.							
Konawa, Sasakwa Seminole County Pontotoc County	03	2201CST ¹⁴ -2221CST	30		0	0	?	?	Tornado(F8)
		A tornado touched down 2 miles south of Konawa and intermittently touched down as it moved to a point 2 miles southeast of Sasakwa. Damage was confined to trees.							
Sasakwa, Seminole County	03	2223CST			0	0	?	?	Hail
		Hail larger than golfballs fell.							
Calvin, Hughes County	03	2230CST -2300CST			0	0	?	?	Hail
		Golfball size hail covered the ground falling off and on for 30 minutes.							
Atwood, Hughes County	03	2230CST -2300CST			0	0	?	?	Hail
		Penny to golfball size hail fell for 30 minutes, covered the ground 2 to 3 inches deep.							
Calvin, Hughes County	03	2250CST			0	0	?	?	Funnel Cloud
		A funnel cloud was reported near Calvin.							
Binger, Caddo County	04	0030CST			0	0	?	?	Hail
		Penny to quarter size hail fell.							
Yukon, Canadian County	04	0045CST			0	0	?	?	Hail
		3/4 inch size hail fell.							
Minco, Grady County	04	0100CST			0	0	?	?	Wind
		60 to 70 mph winds occurred.							
Tuttle, Grady County	04	0101CST			0	0	?	?	Hail
		3/4 inch size hail fell.							
Yukon, Canadian County	04	0115CST			0	0	?	?	Hail
		Golfball size hail fell.							
Miami, Ottawa County	03- night 04 morning				0	0	?	?	Flooding
		Rainfall totaling about 3 inches caused Tar creek to flood sections of Miami. Five families were forced to evacuate their homes.							
Tulsa, Tulsa County	15	1413CST			0	0	?	?	Hail
		Golfball size hail fell.							
Vinita, Craig County	15	1503CST			0	0	?	?	Hail
		Baseball size hail fell one mile west of Vinita.							
Vinita, Craig County	15	1504CST -1509CST			0	0	6	?	Hail
		Golfball to baseball size hail fell for 5 minutes. Damages to homes, businesses, and autos is estimated at \$3 million.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

OKLAHOMA

Stillwell, Adair County	15	1530CST			0	0	?	?	Hail
			One inch size hail fell.						
Chouteau, Mazie Mayes County	15	1537CST			0	0	?	?	Hail
			Golfball to softball size hail fell at Chouteau and Mazie.						
Afton, Ottawa County	15	1538CST	2	30	0	0	?	?	Tornado(F0)
			A tornado touched down for 3 minutes one mile south of Afton. No damage occurred.						
Bernice, Delaware County	15	1602CST	short	20	0	0	?	?	Tornado(F0)
			A tornado touched down 3 miles west of Bernice. No damage occurred.						
Tahlequah, Cherokee County	15	1603CST	1/4	50	0	0	5	0	Tornado(F1), Hail
			A tornado touched down in Tahlequah causing extensive damage to roofs and trees. Damage affected a 12 block area with damage estimates around \$250,000. 3/4 inch size hail also fell.						
Fort Gibson, Muskogee County	15	1630CST	short	20	0	0	?	?	Tornado(F0)
			A tornado touched down just south of Fort Gibson with no damage occurring.						
Stillwell, Adair County	15	1705CST			0	0	?	?	Hail
			Golfball size hail fell.						
Sallisaw, Sequoyah County	15	1730CST	1	75	0	0	5	?	Tornado(F1), Hail
			A tornado touched down one mile north of Sallisaw destroying a barn and damaging a house. Hail up to baseball size also fell. Damage was estimated at \$50,000.						
Clayton, Pushmataha County	15	2007CST			0	0	?	?	Hail
			3/4 inch size hail fell.						
Rattan, Pushmataha County	15	2109CST			0	0	?	?	Funnel Cloud
			A small rope-like funnel cloud was sighted near Rattan.						
Waynoka, Woods County	16	1420CST			0	0	?	?	Hail
			One inch size hail fell 8 miles south of Waynoka.						
Albion, Pushmataha County	16	2355CST			0	0	?	?	Hail
			3/4 inch hail fell 6 miles east of Albion.						
Bartlesville, Washington County	18	0540CST			0	0	4	?	Lightning
			Lightning struck an oil tank battery. Damage was around \$10,000.						
Moore, Cleveland County	18	0730CST			0	0	?	?	Hail
			Golfball size hail fell 5 miles east of Moore.						
Guthrie, Logan County	18	0746CST			0	0	?	?	Hail
			3/4 inch size hail fell.						
Covington, Garfield County	18	0756CST			0	0	?	?	Hail
			7/8 inch size hail fell.						
Billings, Noble County	18	0815CST			0	0	?	?	Hail
			3/4 inch size hail fell.						
Meeker, Lincoln County	18	0818CST			0	0	?	?	Hail
			3/4 inch size hail fell.						
Davenport, Lincoln County	18	0830CST			0	0	?	?	Hail
			Golfball size hail fell.						
Sparks, Lincoln County	18	0834CST			0	0	?	?	Hail
			One inch size hail fell.						
Stillwater, Payne County	18	0835CST			0	0	?	?	Hail
			One inch size hail fell 8 miles west of Stillwater.						
Sparks, Lincoln County	18	1500CST			0	0	?	?	Hail
			Golfball size hail covered the ground.						
Seminole, Seminole County	18	1610CST			0	0	?	?	Hail
			3/4 inch size hail fell.						

OKLAHOMA

Overbrook, Love County	18	1645CST			0	0	?	?	Hail
			1 and 1/2 inch size hail fell covering the ground.						
Ardmore, Carter County	18	1647CST			0	0	?	?	Hail
			3/4 inch size hail fell at Ardmore and Lake Murray.						
Ardmore, Carter County	18	1654CST			0	0	?	?	Hail
			Walnut size hail fell in southwestern sections of Ardmore.						
Marietta, Love County	18	1714CST			0	0	?	?	Hail
			Golfball size hail fell.						
Ardmore, Carter County	18	1715CST			0	0	?	?	Hail
			3/4 inch size hail fell.						
Panhandle	18	All Day			0	0	?	?	Snow
			Three to six inches of snow fell with considerable drifting causing several roads to be closed.						
Grandfield, Tillman County	22	1930CST			0	0	?	?	Hail
			3/4 inch size hail fell.						
Grandfield, Tillman County	22	2000CST			0	0	?	?	Hail
			Hail the size of quarters fell.						
Eldorado, Jackson County	22	2015CST			0	0	?	?	Hail
			3/4 inch size hail fell.						
Faxon, Comanche County	22	2030CST			0	0	?	?	Hail
			Hail the size of nickles fell.						
Duke, Jackson County	22	2039CST			0	0	?	?	Hail
			3/4 inch size hail fell.						
Olustee, Jackson County	22	2056CST			0	0	?	?	Hail
			3/4 to 1 inch size hail fell.						
Walters, Cotton County	22	2100CST			0	0	?	?	Hail
			Softball size hail fell 5 miles north of Walters.						
Geronimo, Comanche County	22	2107CST			0	0	?	?	Hail
			Golfball size hail fell.						
Altus, Jackson County	22	2109CST			0	0	?	?	Hail
			One inch size hail fell.						
Altus, Jackson County	22	2125CST			0	0	?	?	Hail
			One inch size hail fell.						
Hulen, Cotton County	22	2131CST			0	0	?	?	Hail
			Golfball size hail fell.						
Geronimo, Comanche County	22	2145CST			0	0	3	?	Hail
			Golfball to tennisball size hail fell die heavy damage to a motor home. damage was about \$5,000.						
Lawton, Comanche County	22	2213CST			0	0	?	?	Hail
			3/4 to 1 inch size hail fell.						
Enid, Garfield County	22	2300CST			0	0	4	?	Lightning
			Lightning set a house on fire causing \$40,000 damage.						
Panhandle, and Northwest	23	All Day			0	0	?	?	Snow
			Up to 9 inches of snow fell closing many roads and schools.						
North Central Kay County	23-24	night			0	0	?	?	Flooding
			The Chikaskia river flooded portions of Kay County closing many roads for a short time. Cowskin creek also did minor flooding south of Ponca City.						
Achille, Bryan County	27	2022CST			0	0	?	?	Wind
			Winds 60 to 70 mph occurred.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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										
Cartwright, Bryan County	27	2033CST			0	0	?	?		Wind, Hail
										Winds to 70 mph occurred with marble size hail which was 3 inches deep.
Colbert, Bryan County	27	2038CST			0	0	3	?		Wind
										Winds up to 70 mph damaged trees and a motel. Damages were estimated at \$5,000.
35 OREGON										
Harney and Malheur Counties	1-9				0	0	7	6		Flooding
										Spring thaw flooding continued in the Harney Basin (Malheur River, Harney and Mud Lakes, etc.) and washed out the railroad link from Ontario to Burns. Damage figures from this spring's flooding include an estimated 20% of pasture lands having been under water at times and 20 homes were either submerged or completely surrounded with water.
Malheur County	16-18				0	0	?	?		Flooding
										Flooding of the Weiser River in Idaho, caused by heavy snowmelt, closed roads and caused much low land flooding where it meets the Snake River.
Umatilla, Malheur and Klamath Counties	20				0	0	3	2		Wind
										Strong, gusty winds caused widespread power outages and downed trees. In Bonanza, winds accompanying thunderstorms blew over and flattened a storage barn.
Union County	25				0	4	3	0		Snow
										Snow in Ladd Canyon caused road closures on I-84 and numerous snow related accidents.
36 PENNSYLVANIA, Eastern										
Eastern Penna.	04	0500EST 1500EST			0	0	2	0		Snow, Sleet, Freezing Rain
										The combination of snow, sleet and freezing rain covered roadways with a half inch or so of ice and slush. This resulted in many accidents with some causing injuries.
Eastern Penna.	08 09	1400 EST 0700 EST			0	0	3	0		Heavy Snow
										A late season snow storm with strong gusty winds resulted in near blizzard conditions at times. Accumulations reached 6 to 12 inches in the southeast and 4 to 7 inches over the remainder. The highest amounts were 12 inches in northern Bucks County and 9-1/2 inches in portions of Chester County. Slippery roadways resulted in many accidents and injuries. At least 2 deaths were from heart attacks while shoveling snow.
Eastern Penna.	12 13	2300 EST 2300 EST			0	0	3	0		Snow, Sleet, Freezing Rain
										Snow accumulated 2 to 5 inches before mixing with and changing to sleet and freezing rain. The precipitation changed to all rain in the south portion in the late morning or in the afternoon, but continued as freezing rain in some northern and east central sections through the evening. The accumulation of snow and ice brought down limbs, utility lines and rain gutters. Slush and ice on roadways caused many accidents and injuries. At least three deaths resulted from automobile accidents.
PENNSYLVANIA, Eastern										
Eastern Penna.	28 29	1500 EST 2200 EST			0	4	4	0		Heavy Snow, Wind
										An intense spring storm which started with rain on the 27th gradually changed to snow on the 28th and developed high wind gusts. Wind gusts reached 40 to 50 MPH and brought down hundreds of trees. Trees and tree limbs damaged utility lines, mobile homes, houses and other buildings. Some buildings had all or part of the roof torn off. Power interruptions were experienced by 150,000 customers or more. Snow and sleet accumulations were little if any in Philadelphia, around 2 inches in the north and west suburbs, up to 6 to 8 inches in the Lehigh Valley, 6 to 12 inches in the lower Susquehanna Valley. There were 7 to 12 inches in the lower elevations in the north and 1 to 2 feet in the higher elevations. The greatest amount reported was 28 inches at Mt. Pocono, Monroe County.
										The slippery roadways caused many accidents with many injuries and at least 5 deaths. One man died from a heart attack while shoveling snow and at least 4 people were injured by falling trees.
36 PENNSYLVANIA, Western										
Erie County	5	aftn			1	3				Snow
										A two car accident on Route 99 in McKean Township was blamed on slick road conditions. One man was killed and three injured.
Crawford County	8	1430EST			1	1				Snow
										A Cessna 172 (single-engine plane) slammed into a hayfield, during a heavy snowshower, after trying to land about two miles from Meadville Airport. The pilot died and one passenger was injured.
Beaver County	8	aftn			2	1				Snow
										A woman lost control of her car in a "blinding snowstorm" and collided with a truck on Route 18 in North Beaver Township. The passenger of the car died and the driver was seriously injured. A man died in another accident in Rochester Township when his jeep slid on a snow-covered road, hit an embankment and overturned.
Cambria County	8	aftn			1					Snow
										A passenger died when the car she was riding in lost control during a snowstorm on Route 56 between Johnstown and Windber and was hit broadside by a truck.
Somerset County	21	1145EST			1	3				Snow
										A passenger died in a car accident on the Pennsylvania Turnpike 1 1/4 miles west of the Donegal Interchange. The car went into a skid on the "slushy" road, struck the rear tires of a tractor-trailer, proceeded through an opening in the medial barrier and was struck broadside by an oncoming vehicle. The driver of the two cars and a passenger were hurt.
Crawford County	22	night			3					Snow
										A woman and her two sons were killed in a car-truck collision on Route 77, two miles west of Sparatnsburg. The car skidded out of control, crossed the center line, and collided head-on with a tanker truck. The truck driver was not hurt.
Clearfield County	28				2					Snow
										A couple was killed in a head-on collision with a tractor trailer on snow covered Route 36 about a half mile south of LaJose.
Armstrong County	29	morning			1					Snow
										A driver died when his car skidded on a slushy Route 66 in Bethel Township and collided with a car in the opposite direction. The other driver was not seriously injured.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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	
37 RHODE ISLAND									
Statewide	09	Morning			0	0	0	0	Heavy Snow, Blowing Snow, & Gusty Winds
									Winds from the northeast gusting up to 40 mph, heavy snow and blowing snow reduced visibility to near zero during the storm.
Statewide	29	All Day			0	1	5	0	Heavy, Wet Snow and High Winds
									A powerful coastal storm with heavy, wet snow and northeast winds gusting to at least 80 mph, brought down tree limbs statewide. Power outages were reported from across the state. Wind gusts along the south coast reached 85 mph at Westerly, 74 mph at Newport, and 68 mph at Block Island. In Westerly a motorist was injured when a large sign blew down on her car. In Pawtucket, a metal roof over an addition to a school was blown off. In North Scituate, the roof on a shopping mall which was under construction collapsed. On the south coast at Matunuck Beach only two cement blocks were all that remained of the Blackberry Hill Beach Club after sea erosion swept it into the sea. This building had withstood the 1954 hurricane, but had been seriously damaged in a storm last November. In Narragansett a house under construction collapsed. Snowfall totals ranged from only a few inches in the south to a foot in the northern portion of the state. A Cessna 150 was flipped over by the winds at the Newport State Airport in Middletown. A total of 28,000 electric customers were without power statewide at the height of the storm, and some remained in the dark up to 24 to 48 hours. Many motorists were stranded along the highways during the afternoon commute home.
38 SOUTH CAROLINA									
Northwestern South Carolina	5-6				0	0	3	3	Heavy rain, flooding
									Heavy rains of 2 to 4 inches fell causing minor flash flooding in many areas, followed by a general rise of most major rivers.
Statewide	8	A.M.&P.M.			0	0	4	3	High winds
									High winds caused considerable minor damage, toppled trees, broke limbs and interrupted electrical service in some areas. A number of wild fires were reported in the forests of northwestern South Carolina where wind gusts exceeded 50 m.p.h. Strong wind following cold front.
Tokeena, Oconee County	20	1930 EST	0.8	100	0	0	4	3	Tornado (F1)
									A small tornado touched down near Tokeena at the intersection of S.C. 59 & 24. The tornado moved northeastward damaging four homes, a service station/convenience store and a barn. Electrical power in the immediate area was disrupted.
South of Aiken Aiken County	20	1930EST			0	0	4	0	Wind, Thunderstorm
									Thunderstorm winds destroyed 2 barns, one out-building and uprooted 2 large trees.
Western Anderson County	20	1945 EST			0	0	4	0	Wind, Thunderstorm
									High winds associated with a thunderstorm uprooted trees and damaged a mobile home located at Townville.
Edisto Beach, Colleton County	21	2300 EST			0	0	6	0	Lightning
									Lightning set a large pavilion on fire causing heavy damage.
Johnsonville, Florence County	25	0630 EST			0	0	4	0	Wind
									Winds damaged mobile home and a warehouse.
Britons Neck, Marion County	25	0645 EST			0	0	4	0	Wind, Thunderstorm
									Wind damaged a mobile home and a store.
18 miles northeast of Charleston, Charleston & Berkeley Counties	25	0715 EST			0	0	4	0	Wind, Thunderstorm
									High winds associated with a thunderstorm caused damage over a small area near Charleston-Berkeley County line.
Along US 17, 22 miles northeast of Charleston, Charleston County	25	0723 EST			0	0	4	0	Wind, Thunderstorm
									Winds felled several trees, damaged two homes. Wind gust to 58 m.p.h. at Charleston, as thunderstorm passed.
5 miles north of Kingstree, Williamsburg County	25	1630 EST			0	0	4	4	Hail
									Large hail up to two inches in diameter covered the ground to a depth of three inches over a small area. Heavy damage to crops, roofs, etc.....
— SOUTH CAROLINA									
Statewide	28	1500-0000 EST							Low Pressure System
									One of the most intense low pressure systems of record moved across the State, spawning hail storms, 11 tornadoes, and numerous damaging thunderstorms. Minimum sea level pressure at Columbia (28.86 inches) was second lowest of record. The pressure at Greer was lowest of record. (28.89 inches). An area of thunderstorms appeared in Oconee County around 3 p.m. and intensified as it moved eastward. Damaging winds developed a short time later as this area of unstable weather moved across Pickens and Anderson Counties. The first tornado occurred near Ware Shoals in Laurens County. A second tornado occurred near Laurens in Laurens County shortly thereafter. A very damaging tornado developed west of Newberry around 5 p.m. and moved through Newberry continuing to eastern Newberry County. Before this tornado dissipated, an even more intense tornado developed near New Hope and moved into Fairfield County. As this storm dissipated, a very severe tornado appeared west of Winnsboro and moved through northern Winnsboro causing major damage. The sixth tornado associated with the large thunderstorm area caused major damage over a short path southeast of Kershaw a short time later. Intense downbursts caused widespread damage over portions of Kershaw and western Chesterfield County. The seventh tornado struck a rural area in southwest Chesterfield County. The eighth struck Cash, while the ninth caused immense damage in northern Bennettsville before moving northeast into North Carolina. The tenth tornado formed near Tatum while the Bennettsville tornado was still in progress and moved through McColl into North Carolina. The eleventh tornado formed about 2 hours later near Finklea Cross Roads in Horry County and moved into North Carolina. A summary of the various storms follows:
5 miles east of Columbia, Richland County	28	1340 EST			0	0	3	3	Hail
									Hail mostly marble size caused extensive damage. One inch hail.
Greenville area southward, Greenville County	28	1600 EST			-	-	5	5	Hail, wind
									Hail pea size to golf ball size caused extensive damage. Numerous trees down.
Seneca, Oconee County	28	1600 EST			0	0	4	4	Hail, wind
									Hail and wind caused damage to property, crops and trees. One inch hail.
Liberty, Clemson, Easley, Pickens County	28	1605 EST			0	0	5	4	Hail, wind
									Trees down in Liberty, one inch hail at Easley and Pickens, one and three fourths inch hail at Clemson.
Pendleton to Anderson eastward, Anderson County	28	1630 EST			0	0	6	5	Hail, wind
									Marble size to golf ball size hail, high winds from Pendleton eastward across the county. Ten mobile homes overturned in Flat Rock Community. Trees and power lines down.
Honea Path and Ware Shoals area; Anderson, Abbeville and Laurens Counties	28	1630 EST	3	177	0	24	7	6	Tornado (F1), High Winds
									Downburst winds caused damage extending from southwest of Honea Path to the Ware Shoals vicinity. In Abbeville County more than 18 homes were destroyed or damaged. 24 people were injured. A small tornado made a three mile path northeast of Ware Shoals in Laurens County.
6 miles west of Laurens to 10 miles northeast of Laurens, Laurens County	28	1640 EST	18	.700	0	43	7	6	Tornado (F2)
									Damage from tornado and associated windstorm extended from 6 miles west to 10 miles northeast of Laurens. Nineteen mobile homes were destroyed and 13 damaged. 5 community buildings damaged or destroyed. Five hundred acres of timber were destroyed. Forty three people were injured.
Fountain Inn, Laurens County	28	1700 EST			1	0	6	5	High winds, hail
									High winds during thunderstorm blew a large limb across a car, killing the driver. Hail up to one inch in diameter caused damage.
Spartanburg area, Spartanburg County	28	1710 EST			0	0	5	4	Hail, wind
									Marble size hail 3 miles south of Spartanburg. High winds blew down trees.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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	

SOUTH CAROLINA

6 miles southwest of Newberry, northeast through Newberry, Newberry Co.	28	1720 EST	23	1000	1	38	7	6	Tornado (F2), Hail	Tornado touched down about six miles southwest of Newberry and moved across Newberry to near the Broad River. Caused major damage in Newberry area. Two inch hail. Another person in a house that lost electrical power, fell, and was fatally injured.
Union area, Union County	28	1730 EST	6mi	2000	0	0	4	4	Wind	High winds broke limbs, interrupted power. Large limbs broken.
Chester County	28	1730 EST			0	1	4	3	Wind, Hail	South of Chester, wind damaged roofs and blew down several trees. One inch hail.
New Hope eastward, Newberry and Fairfield Counties	28	1740 EST	19	870	0	10	6	6	Tornado (F3), Hail	Tornado touched down near New Hope and moved eastward into Fairfield County. Hail associated with the storm was said to be as large as baseballs. * Total damage in Newberry County from this and the Newberry Tornado (above) included 254 homes, 45 mobile homes, 86 businesses, 68 farm buildings and 7 public buildings damaged or destroyed.
Winnsboro, Fairfield County, to Kershaw County	28	1800 EST	21	1000	5	49	7	7	Tornado (F4), High Winds, Hail	The tornado that moved out of Newberry County into Fairfield County dissipated as another tornado formed five miles west of Winnsboro. This new tornado moved through northern Winnsboro into eastern Fairfield County, crossed Wateree Lake, and dissipated in the western tip of Kershaw County. Downburst winds also struck the Wateree Lake area and moved eastward into Kershaw County. In Fairfield County, 5 persons were killed, all in mobile homes, and 49 people were injured. A 6th person died from a heart attack. The total damage for the county was 40 homes, 24 mobile homes, 4 businesses and 5 communities damaged or destroyed. Two inch hail.
Cayce, Irmo & Columbia area, Richland & Lexington Counties	28	1815 EST			0	0	5	4	Hail	Hail up to 1 1/4 inch in diameter caused extensive damage to cars, roofs, etc.....
Near Kershaw, Kershaw and Lancaster Counties	28	1820 EST	4	530	0	36	7	6	Tornado (F4), High Winds, Hail	Downburst winds had spread across Kershaw County from Wateree Lake, through Westville, to southeast of Kershaw. A new tornado developed about 2 miles southeast of Kershaw, Lancaster County, and destroyed a mobile home park after crossing into Kershaw County. In Lancaster County, 5 people were injured, several buildings damaged, and extensive damage was done to forests. In Kershaw County, 31 people were injured. Two inch hail.
7 miles north of McBee, Chesterfield County	28	1840 EST	2	530	0	0	4	7	Tornado (F2), High Winds	A small tornado cut a path through a pine forest. Downburst winds associated with the storm caused considerable damage from southeast of Kershaw in Kershaw County to just west of Patrick in Chesterfield County.
5 NE Columbia Richland County	28	1845 EST			0	0	3	0	Wind, Thunderstorm	Winds to 57 mph broke small tree limbs.
Cash, S.C., Chesterfield County	28	1845 EST	7	700	0	24	7	6	Tornado (F4)	Severe tornado caused extensive damage from 1 1/2 miles west of Cash eastward through Cash to 7 miles northeast of Cash. The total damage in Chesterfield County included 24 people injured, 4 homes destroyed, 2 businesses destroyed, 36 farm buildings damaged or destroyed and several million dollar damaged to forests.
Near Bishopville, Lee County	28	1910 EST			0	0	3	3	Winds, Thunderstorm	Mobile home damaged. Transmissions line blown down.
Bennettsville, Marlboro County	28	1910 EST	13	2100	7	100	7	4	Tornado (F4),	Tornado moved from 5 miles west northwest of Bennettsville, across Northwood shopping center of northern Bennettsville into North Carolina for a total distance of 16 miles (13 miles in South Carolina). Three people were killed in the Lester Community and four in the Fletcher Community. 4 people were in mobile homes, 3 in houses.

SOUTH CAROLINA

Tatum and McColl areas, Marlboro County	28	1920 EST	7	2600	2	115	7	4	Tornado (F4)	Tornado moved from west of Tatum, through Tatum and McColl into North Carolina over a total distance of 45 miles (7 miles in South Carolina). Two people were killed, one in a mobile home and one in a house. * The combined damage of these two tornadoes in Marlboro County included 22 homes destroyed, 136 damaged; 8 mobile homes destroyed, 10 damaged; and many businesses destroyed or damaged. 9 people were killed and 215 injured.
Near Bamberg, Bamberg County	28	1930 EST			0	0	3	3	Winds, thunderstorm	Large trees and power lines down.
St. Matthews, Calhoun County	28	1930 EST			0	0	3	3	Winds, Thunderstorm	Trees blown down.
Springfield, Neese, Orangeburg County	28	1935 EST			0	0	3	3	Winds, Thunderstorm	Trees down, power lines blocking roads.
Sumter, Sumter County	28	1955 EST			0	0	3	4	Hail, Wind	Hail reported up to 2 inches in diameter. Power lines down, blocking roads.
Near Manning, Clarendon County	28	2000 EST			1	0	3	0	Winds, Thunderstorm	Trees down, power interrupted. Boat overturned on Lake Marion, drowning 1 person.
Florence, Florence County	28	2015 EST			0	0	3	3	Wind, Thunderstorm	Power lines down, hail up to 3/4 inch. Large limbs broken.
Finklea Crossroads, northeast to Tabor City, Horry County (Cross state line)	28	2135 EST	7	353	0	8	5	0	Tornado (F2)	Tornado formed near Finklea Cross Roads in Horry County and moved northeast to near Tabor City in North Carolina. The storm destroyed 2 mobile homes and damaged another home. Considerable disruption to utilities. The total path length in both states was 9 miles.

39 SOUTH DAKOTA

Eastern Third	03- Afternoon 04 Early Eve				0	0	0	0	Heavy Snow, Wind	Snow began mid-afternoon on the third and continued into the following day. Amounts ranged from 3-18 inches with the east central sections receiving the heaviest accumulations. Winds increased on the fourth, producing low visibilities and blowing and drifting snow. As a result, unnecessary travel was not advised in the south east and east central sections and airlines and bus lines were forced to cancel their schedules. Many events were cancelled and numerous schools were closed on the fifth, yet very few major problems resulted.
Black Hills	04- Late Eve 05 Early a.m.				0	0	0	0	Ice Storm	Sleet and freezing rain coated the Black Hills area with up to one-quarters inch ice. Numerous minor accidents were reported as a result of the icy roads.
All but Southeastern Portion of State	07 Early am 2300 CST				0	0	0	0	Ground Blizzard	A ground blizzard with wind speeds to 60 mph pounded much of the state, reducing visibility in most areas to zero and piling snow into large drifts. Travel came to a complete halt in many areas, with no travel advised throughout all but extreme southeastern sections. Numerous schools were closed all day or forced to close early. A two-hour power outage occurred south of Tyndall (Bon Homme County) in the evening.
Northeast	10 1200 CST				0	0	0	0	Ground Blizzard	A ground blizzard plummeted visibilities to near zero and produced ice-covered roads and snow drifts. Few problems were reported.
Minnehaha, Moody, Lincoln, Turner and McCook Counties	12 Afternoon				0	0	0	0	Ice	Glazed roads resulted in numerous accidents and a no-travel advisory in a 30-mile radius around Sioux Falls (Minnehaha County).
Southwest Third of State	13 Morning				0	0	0	0	Ice	Snow and freezing drizzle created ice-coated roads from Mitchell (Davison County) westward, with numerous accidents.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ 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 ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

SOUTH DAKOTA

Southcentral - Southeast	16- Evening 17 Afternoon								Heavy Snow
Snow accumulations ranged from 2-12 inches, with heaviest accumulations from Kimball (Brule County) to Pickstown (Charles Mix County). Few problems resulted.									
Northeast	26- Evening 27 Morning								Heavy Snow
Wet, heavy snow from 3-10 inches fell across the northeast. There was some loss to baby calves and lambs.									
Northern Black Hills	27- Evening 28 Afternoon								Heavy Snow
Heavy snow accumulated in the northern Black Hills with amounts from 8-24 inches.									

40 TENNESSEE

Carroll County	4 ?								Heavy rain
Rainfall totalling more than 3 inches left several areas underwater into Monday. Water was over State Highway 22 between Huntingdon and McKenzie, over U.S. Highway 79 between Trezevant and McKenzie and between Atwood and McKenzie and State Highway 104 near the Gibson County line. Several county roads were closed due to high water. Several other county roads were reported washed out with damage to culverts and roadways.									
Knoxville, Knox County	8 1435 est								5 Wind
Winds gusting to nearly 60 miles an hour caused a fire at the Rocky Hills Substation which did more than \$200,000 in damage. The winds apparently blew aluminum-sided insulation from a nearby construction site into the substation. The result was a short which led to the fire. At the NWS office at the McGhee Tyson Airport, the highest wind gust was 46 miles an hour. Some trees were downed causing power outages.									
Dyer, Gibson County	15 1712 est								? ? Hail
One to one and one half inch hail was reported in Dyer.									
Northern Gibson County	15 1730 est								? ? High wind
Power lines and trees were reported downed by high winds from a thunderstorm. Power off in the Dyer and Bradford areas.									
McKenzie, Carroll County	15 1800 est								? ? Hail
Marble size (one half to three-quarter inch) hail was reported. The hail was accompanied by strong winds and heavy rain.									
Sylvia, Dickson County	15 2044 est								? ? Hail
Golf ball size hail was reported at Sylvia just west of Charlotte.									
Greenwood Community, Dickson County	15 2020 est								? ? 0 0 5 Tornado (F1)
A tornado touched down in the Greenwood Community, just north of Charlotte, damaging the roofs to 7 or 8 homes. A number of trees were reported down across State Highway 48 which runs through the community.									
Humphreys County	15 2030 est								4 Strong winds
High winds caused minor damage all across the county. The roof to a McEwen church was lost in the strong winds and the roof to the parsonage was damaged. Additionally, an awning at a Waverly hotel was ripped up by the wind. A barn roof was blown off and an equipment shed was destroyed north of Waverly.									
Jackson, Madison County	15 2100 est								5 Strong winds
Strong winds destroyed a garage on Bond Cemetery Road and tore half to two-thirds of the roof from Oakfield Men's Outlet store. Inside the store, merchandise suffered water damage from the rain. In the Three-Way Community, a metal shed was destroyed by strong winds. A number of power outages were reported across the county, some caused by trees falling across power lines.									
South of Oyersburg, Dyer County	15 2115 est								4 Strong wind
A house along Highway 51S lost the south corner of its roof in strong wind. Two sheds were also blown down. A mobile home on Ashley Road was overturned by the high wind.									
Huntingdon, Carroll County	15 2130 est								4 Strong wind
Strong winds with a thunderstorm hail destroyed half of the roof on a house on Enoch Road near Yuma. Rain caused extensive damage to the interior. The storm was also accompanied by marble size hail. A tree was blown over onto a house in Huntingdon.									

TENNESSEE

Atwood, Carroll County	15 2200 est								5 Lightning
Lightning apparently caused a house fire which heavily damaged the inside of the building.									
Hayesville, Macon County	15 2325 est								? Funnel cloud
Public reported seeing a funnel cloud near Hayesville. Trees were reported down in places across the county.									
Joelton area of Davidson County	15 2350 est								4 Strong wind
Some trees were downed and a garage was damaged by strong wind in the Joelton area of Davidson County.									
Gallatin, Sumner County	15 2355 est								? Strong wind
Wind reportedly downed some trees around Gallatin.									
Overtown County	15 ?								? Strong wind
Strong gusts of wind from a thunderstorm caused damage to several houses in the county. Several trees were uprooted and a carport torn from a house in subdivision in Livingston.									
Akersville, Macon County	16 0010 est								? Strong winds
Strong thunderstorm wind blew the roof off one house, moved a mobile home a little, and blew stray pieces of tin off several barns and sheds.									
Lafayette, Macon County	16 0025 est								5 Lightning
Lightning struck a television antenna and blow out the television set inside the house causing a fire which completely gutted the inside of the house. The three people suffered cuts and bruises in making their escape from the burning house.									
Madisonville, Monroe County	16 ?								3 Wind
Strong wind rolled the roofing covering Johnson's Department Store from the back to the front. Rain poured into the second floor damaging merchandise.									
Adamsville, McNairy County	19 1825 est								1 4 Strong wind
Strong winds with a thunderstorm blew the roof off a cement block garage located three miles west of Adamsville. One wall was also blown down by the wind. Three people were in the building when the damage occurred, one was injured and taken to a hospital. A boat, car and horse trailer inside the building were also damaged.									
East of Adamsville, Hardin County	19 1835 est								4 Strong wind
Strong winds with a thunderstorm destroyed the covering over part of a small building supply company. This occurred just east of Adamsville, just inside the Hardin County line.									
Temple Hill, Unicoi County	20 ?								4 Wind
A garage was destroyed by the wind. The roof was blown off the building and thrown into a nearby field. The walls were blown down. A few trees were also blown down by the wind.									
Raleigh area of Memphis, Shelby County	24 0750 est								Small hail
One-quarter to three-eighths inch hail was reported in the Raleigh area of north Memphis.									
Somerville, Fayette County	24 1035 est								Hail
Marble size hail was reported in Somerville.									
Between Medon & Malecus, Madison County	24 1845 est								4 Strong winds
Strong thunderstorm winds downed trees and power lines, damaged two trucks, and damaged three houses including one mobile home. Most of the damage was minor except to the mobile home which lost most of its roof.									
Northwest Henderson County	24 1855 est								4 Strong wind
Strong winds caused a mobile home to be destroyed in northwest Henderson County in the old Poplar Springs Community near the Carroll County line. Two women in the mobile home escaped uninjured. A barn near the mobile home was damaged, and power lines were downed.									
Lone Oak, Montgomery County	24 2100 est								3 Strong wind
Strong wind stripped the porch from a mobile home and moved the home off its blocks.									
Whitwell, Marion County	27 2330 est								? Hail
Marble size hail was reported in Whitwell.									
Dunlap, Sequatchie County	27 2330 est								? Hail
Marble size hail was reported in Dunlap.									
Chattanooga, Hamilton County	28 0005 est								Hail
Small hail was reported in the western sections of Chattanooga.									
Nashville, Davidson County	28 1330 est								Low pressure
The National Weather Service reported that the barometric pressure tied the all-time record low pressure. The pressure reached 29.02 inches at 1:30 pm est tying the record low pressure recorded on Feb. 27, 1902.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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									
Cass County	4	1545CST	0	0	?	?	?	?	Hail
		Golfball size hail was reported 6 miles east of Linden.							
Stephens County	11	1915CST	0	0	?	?	?	?	Hail
		Breckenridge Police reported 3/4 inch hail 2 miles east of the city.							
Coleman County	11	2340CST	0	0	?	?	?	?	Hail
		Golfball size hail was reported in the county.							
Hamilton County	12	0010CST-0020CST	0	0	?	?	?	?	Hail
		1/2 to 3/4 inch hail was reported Hamilton city.							
Coryell County	18	2000CST-2030CST	0	0	?	?	?	?	Hail
		3/4 inch hail was reported in Copperas Cove.							
North Texas	18	AFTN-EVE							Severe Thunderstorms
		Severe thunderstorms struck across much of North Texas during the afternoon and early evening hours. A tornado did minor damage in Denton County, but most of the damage was from hail and straight winds. Hailstones the size of baseballs were common over several counties, as were golfball size reports.							
Parker County	18	1505CST-1805CST	0	0	3	?	?	?	Hail
		At 1505CST Parker County Fire Dept. reported hail the size of quarters near Peaster. At 1600CST, several reports of pea size hail came from across the county and by 1610CST Milsap reported golfball size hail. Spotters reported golfball size hail at Weatherford at 1623CST. At the county fire station at 1627CST, extremely heavy pea to small marble size hail caused damage to the building. 3/4 inch hail was covering the ground in parts of the city of Weatherford at 1630CST. Baseball size hail fell 4 miles southeast of the city at 1643CST, and 2 inch hail fell at Lake Weatherford at 1648CST. Golfball size hail was reported by amateur radio spotters in northeast Parker County at 1655CST. Spotters also reported 1/2 to 3/4 inch hail in Weatherford at 1720CST and pea size hail at 1803CST.							
Wise County	18	1510CST-1540CST	0	0	?	?	?	?	Hail
		Hail the size of quarters fell in southwestern Wise County at 1510CST. Over the next half hour, reports of pea to marble size hail were recorded over the southern portions of the county. At 1540CST, 1/2 to 3/4 inch hail was reported in the extreme southeastern portion of the county.							
Palo Pinto County	18	1536CST-1605CST	0	0	?	?	?	?	Hail
		Sheriff's Deputies reported golfball size hail near Gordon at 1536CST and also at Lake Palo Pinto at 1545CST. At 1605CST, tennis ball size hail was reported between Gordon and Lake Palo Pinto.							
Denton County	18	1603CST 1 1620CST 1628CST-1745CST	30	0	0	?	?	?	Tornado FO Funnel Hail, High winds
		Amateur radio spotters reported a small tornado on the ground for a brief time 7 miles northwest of Justin. No damage was done before it lifted back into the thunderstorm. However, the spotters continued to track the storm and watched a funnel appear near Krum at 1620CST. Golfball size hail was reported at 1628CST at Sanger and again at 1650CST just west of Ponder. Golfball size hail was reported again near Roanoke at 1745CST.							
Tarrant County	18	1650CST-1810CST 1713CST 1 30	0	0	?	?	?	?	Hail, High winds Tornado FO
		Amateur radio spotters recorded a small rope-like tornado that touched down in a field near the intersection of Farm Road 156 and Loop B20. The tornado lasted less than 2 minutes before lifting. No damage was reported.							
		The first report of hail was golfball size at 1650CST in the extreme northwest portion of the county. At 1720CST, 1/2 to 1 inch hail and high winds pelted the Saginaw area. A 100 ft. tall microwave tower was blown down onto an unoccupied house causing extensive							
— TEXAS, Northern									
		damage. Nearby, a mobile home was turned over and damaged by the winds, but no reported injuries. At 1750CST, 1/2 to 3/4 inch hail fell in western Fort Worth and amateur radio spotters reported similar conditions in eastern Fort Worth at 1810CST.							
Erath County	18	1719CST-1803CST	0	0	5	?	?	?	Hail, High winds
		Stephenville Police reported golfball size hail at 1719CST. At 1735CST, spotters reported pea size hail across the area. By 1740CST, hail size had increased to 1/2 to 3/4 inch. High winds overturned two mobile homes and destroyed a barn in the eastern part of town at 1803CST. No injuries were reported.							
Dallas County Tarrant County	18	1745CST 1830CST	0	0	4	?	?	?	Hail, High winds
		Baseball size hail was reported by spotters on HWY 114 in northwest Dallas County. In Tarrant County, at 1750CST, 1/2 to 3/4 inch hail and high winds struck Grapevine and caused minor damage to some buildings in the 2500 block of Lonestar. Golfball size hail was reported at 1835CST in Carrollton.							
Grayson County	18	1740CST	0	0	?	?	?	?	Hail, high winds
		3/4 inch hail and high winds caused minor property damage in the southern part of the county.							
Collin County	18	1820CST	0	0	?	?	?	?	Hail, High winds
		3/4 inch hail and high winds in the southern part of the county inflicted minor property damage.							
Coryell County	18	1911CST-1935CST	0	0	?	?	?	?	Hail, High winds
		At 1911CST, several reports of marble size hail and high winds downing trees were received from around the county. Golfball size hail fell in the central portion of the county at 1918CST. Four more reports of 3/4 to 1 inch hail were received from around the county between 1923CST and 1935CST.							
Hill County	18	1915CST	0	0	?	?	?	?	Hail
		Spotters reported golfball size hail in northern Hill County.							
Callahan County	22	1945CST	0	0	?	?	?	?	Hail
		Golfball size hail fell in Clyde.							
Bell County	18	1949CST-1959CST	0	0	?	?	?	?	Hail
		Pea to 3/4 inch hail fell in Killeen.							
Stephens County	22	2010CST	0	0	?	?	?	?	Hail
		Golfball size hail was reported at Hubbard Bridge at Lake Hubbard.							
Comanche County	22	2240CST-2305CST	0	0	?	?	?	?	Hail
		Golfball size hail fell in Duster at 2040CST, followed by marble to golfball size hail covering the ground just west of De Leon at 2305CST.							
Runnels County	22	2210CST-2355CST	0	0	?	?	?	?	Hail
		1/2 to 3/4 inch hail covered the ground at Winters at 2210CST. At 2355CST, golfball size hail fell at Miles.							
Coleman County	22	2320CST-23 0110CST	0	0	6	?	?	?	Hail
		Golfball to tennis ball size hail fell in Coleman for about 25 minutes, causing near \$2 million in losses. Trees were stripped, roofs damaged, windows broken and over 2000 vehicles were marred. A neon sign at an auto dealer was broken by the hail, causing it to short and catch fire. It then set fire to a nearby pickup, destroying it. Hail was estimated to be at least 4 inches deep on the ground at the height of the storm.							
		At 0110CST, Coleman City received hail up to 1 1/2 inches in diameter.							
Erath County	23	0410CST	0	0	?	?	?	?	Hail
		Pea to marble size hail was reported at Dublin, while golfball size hail fell at Alexander.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ 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 ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

— TEXAS, Northern									
Tarrant County	23	0800CST		0	0	?	?	Flooding	
<p>Heavy rains caused Johnson and Rush creeks to get out of their banks for several hours. A ride at an amusement park was partially submerged for a time and water entered several nearby mobile homes. However, damage was minimal and the creeks were back to normal by 1000CST.</p>									
Falls County	23	0900CST		0	0	5	?	Wind	
<p>High winds damaged an area 6 blocks wide and 1 1/4 miles long in the city of Rosebud. 24 buildings and homes were damaged, as were nearby sheds, barns and garages. Damage was estimated to be in excess of \$300,000.</p>									
Dallas County	23	1445CST	3/4	40	0	0	4	?	Tornado F1
Rockwall County		1700CST			0	0	?	?	Flooding
		1720CST	1/2	30	0	0	3	?	Tornado F0
<p>A small tornado touched down in Mesquite, just missing the City Hall, but managed to remove the roof from a restaurant. The roofs of two homes were heavily damaged and 30 other buildings sustained some minor damage before the tornado lifted. There were no reported injuries.</p> <p>The thunderstorm moved northeast into Rockwall County where it spanned another small tornado just to the east of the City of Rockwall. One home suffered minor roof damage from the tornado, but little other damage was reported in the thinly populated area.</p> <p>The heavy rains with the thunderstorms brought the Trinity River out of its banks in the White Rock Lake area of Dallas County for a short time. 25 roads were closed for a period until the waters receded.</p>									
Red River County	26	2340CST-			0	0	?	?	Hail
		2355CST							
<p>The Sheriff's office reported hail the size of quarters near Bagwell at 2340CST. At 2355CST, hail from pea to golfball size and high winds were reported in the northern portion of the county.</p>									
Dallas County, Collin County	26	2350CST-			0	0	?	?	Hail
	27	0035CST							
<p>3/4 to 1 inch hail fell in the north part of the City of Dallas. At 0020CST, 3/4 to 1 inch hail and high winds were reported in Garland. Amateur radio spotters reported golfball size hail in southern Collin County at 0024CST. At 0032CST, spotters reported 1 inch hail covering the round in northern Dallas and southern Collin Counties.</p> <p>The City of Murphy in Collin county received golfball size hail at 0035CST.</p>									
Rockwall County	27	0110CST			0	0	?	?	Hail
<p>The Sheriff's office reported golfball size hail in the southern part of the county.</p>									
Red River County	27	0030CST-			0	0	?	?	Hail
		0130CST							
<p>Hail reports ranging from pea to golfball size were reported across the county during the hour.</p>									
Bowie County	27	0330CST-			0	0	?	?	Hail
		0650CST							
<p>One inch hail fell just south of Texarkana at 0330CST.</p> <p>At 0630CST, 1 inch hail fell 8 miles southwest of New Boston. 3/4 inch hail fell 5 miles northeast of New Boston at 0650CST.</p>									
Tarrant County	27	0610CST			0	0	?	?	Hail
<p>Benbrook received 3/4 inch hail.</p>									
Johnson County	27	0630CST			0	0	?	?	Hail
<p>1/2 to 3/4 inch hail fell near Keene.</p>									
Cooke County	27	1515CST			0	0	?	?	Hail
<p>1/2 to 1 inch hail fell east of Gainesville.</p>									
Red River County	27	1555CST			0	0	?	?	Hail
<p>Clarksville Police reported baseball size hail near Bagwell.</p>									

— TEXAS, Northern									
Denton County	27	1600CST			0	0	?	?	Hail
<p>Storm spotters reported golfball size hail near Pilot Point.</p>									
Collin County	27	1630CST	1	30	0	0	?	?	Tornado F1
		1623CST			0	0	0	0	funnel
		1710CST			0	0	0	0	hail
<p>At 1630CST, a tornado touched down just northwest of Celina, knocking down an abandoned house. Also, a large storage building was damaged and a horse was killed before the tornado lifted.</p> <p>McKinney Fire Dept. reported a funnel over the city at 1623CST. Spotters reported 1/2 to 1 inch hail at Weston at 1630CST and ping pong ball size hail nearby at 1640CST. At 1710CST, spotters reported 1/2 to 1 inch hail in the Anna and Melissa areas.</p>									
Bowie County	27	1630CST-			0	0	?	?	Hail
		1720CST							
<p>Golfball size hail and high winds struck DeKalb at 1630CST. Two inch hail fell near DeKalb at 1642CST, with golfball size hail covering the ground at New Boston at 1655CST. Golfball size hail covering the ground and 60 mph winds were reported at Texarkana at 1720CST.</p>									
Hunt County	27	1715CST	1	40	0	0	4	?	Tornado F1
<p>A tornado touched down along Highway 69 between Celeste and Kingston, destroying a mobile home and downing trees and power lines in the area. Moving east, it destroyed another mobile home and removed the roof from a frame house in the White Rock community. There were no reported injuries.</p>									
Cass County	27	1935CST			0	0	?	?	Hail
		1940CST	1/2	30	0	0	3	?	Tornado F0
<p>A tornado struck 8 miles south of Atlanta causing damage to a few barns and outbuildings and downed several trees before lifting. There were no reported injuries.</p> <p>Earlier, at 1935CST, golfball size hail was reported near Linden.</p>									
Delta County	27	1738CST			0	0	?	?	Hail
<p>Sheriff's Deputies reported hail to golfball size at Cooper.</p>									
Lamar County	27	1805CST			0	0	?	?	Hail
<p>Golfball size hail fell near Direct in northwest Lamar county.</p>									
Franklin County	27	1830CST			0	0	?	?	Hail
<p>Golfball size hail fell near Interstate 30 at Mt. Vernon.</p>									
Upshur County	27	1829CST-			0	0	?	?	Hail
		1850CST							
<p>One inch size hail fell 10 miles northwest of Longview at 1829CST. Golfball size hail fell just northeast of Longview at 1850CST.</p>									
Camp County	27	1855CST-			0	0	?	?	Hail
		1905CST							
<p>Dept. of Public Safety reported golfball size hail near Pittsburg.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

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, Southern									
BEKAR COUNTY	11	Evening			0	1	0	0	LIGHTNING
									A man was struck by lightning at Lake Calaveras on the evening of the 11th as he attempted to pull his small boat ashore. He was treated at a hospital and released. The exact time of the incident is not known.
SOUTH CENTRAL TEXAS	11	2360CST							SQUALL LINE
	12	0600CST							
									A squall line forming in advance of a Southeasterly moving cold front entered the Northwestern portions of South Texas near 2200CST on the night of the 11th and continued Southeastward to the coast. Numerous heavy thunderstorm cells within the squall line produced large hail as well as brief very heavy rain. The effects of these storms within individual counties is listed separately. This line built Southwestward from near Temple, reaching its southernmost extent in Bexar County near midnight. It move Southeastward, reaching the mid Texas Coast near 0500CST.
									Also, just after midnight, heavy thunderstorms began forming along the cold front itself in the Western portion of South Texas, behind the squall line. These storms produced very brief large hail over portion of the Hill Country, then dissipated.
WILLIAMSON COUNTY	11	2333CST			0	0	0	0	HAILSTORM
									The first report of large hail were received from Williamson County. The Sheriff's Department observed 3/4 inch hail in and around the town of Andice.
GILLESPIE COUNTY	11	2238CST			0	0	0	0	HAILSTORM
									As the thunderstorm built Southwestward into Gillespie County, large hail was first noted just before midnight. The hail was near golfball sized. Again, damage was not indicated.
BANDERA COUNTY	11	2315CST			0	0	?	?	HAILSTORM
									Golfball sized hail reported on east side of Bandera. Thunderstorms developed in Central Bandera County about 2300CST, and produced large hail on the east side of the city of Bandera about fifteen minutes later. Damage was not known.
VAL VERDE COUNTY	12	0020CST			0	0	0	0	HAILSTORM
									While thunderstorms along the squall line continued to track across the central portion of South Texas, additional storms began forming along the cold front in the Hill Country. Just after midnight, hail of diameter 1 3/4 inches began falling in Northern Val Verde County. These storms began moving to the East - Southeast, entering Edwards County near 0200CST.
BEKAR COUNTY	12	0045CST			0	0	?	?	HAILSTORM
		0100CST			0	1	?	?	FLASH FLOOD
									Thunderstorms associated with the squall line first struck Bexar County about midnight and continued Southeastward across the County. Heavy rains, brief gusty winds and small to large sized hail were reported with the storms. The largest hail reported was 2 inches in diameter, and occurred in the Leon Springs area North of San Antonio metroplex.
									Within the first 30 minutes, these storms had produced rains of between one half and one inches over the Northern portion of the County. Final rainfall totals were between one and two inches. Flash Flooding developed near 0100CST and continued through 0300CST. Just after 0400CST, several persons were reported trapped in a car on the Northeast side of the city of San Antonio. They were rescued by the Sheriff's Department. Considerable flooding continued over Northern Bexar County and portions of the city of San Antonio through 0600CST.
TRAVIS COUNTY	12	0045CST			0	0	?	?	HAILSTORM
									Severe Weather was first reported in Travis County at 0045CST when hail of up to 3/4 inches in diameter fell in the area around Lake Travis.
EDWARDS COUNTY	12	0300CST			0	0	?	?	HAILSTORM
									The second thunderstorm activity that developed in Val Verde County after midnight moved into Western Edwards County about 0200CST. The first reported severe weather associated with these storms occurred near 0300CST when marble to golfball sized hail fell about 20 miles south of town of Rocksprings. The extent of the damage was not known.
TEXAS, Southern									
VICTORIA COUNTY	12	0340CST			0	0	7	5	HAILSTORM
		0400CST	Small Narrow		0	1	4	0	TORNADO (FO)
									Thunderstorms associated with the original squall line produced several occurrences of small to medium sized hail as the line moved into the Coastal Plain. The next occurrences of large hail was in Victoria County as 3/4 inch hail struck the town of Nursery in the Northwest part of the County.
									The hail did the most intensive damage to the city of Victoria. With sizes ranging up to two inches in diameter, it covered the ground to a depth of nearly 7 inches in places. It damaged homes, businesses, and vehicles while destroying a large amount of vegetation. Residents reported numerous small sheds and patio covers destroyed from the wind and the weight of hail.
									Total damages were estimated at nearly \$25,000,000. Nearly 1000 new cars were badly damaged, with losses put at \$2,000,000. Over \$1,000,000 damage was reported to school buildings in the city. Two aircraft were badly damaged at the city airport, and hundreds of birds were reported killed in and around the school campus. Considerable damage was reported to fruit trees.
									Small Tornado collapsed roof at supermarket, throwing an air conditioner from the market two blocks away. Damaged a Dairy Treat Store across from the supermarket.
CALHOUN COUNTY	12	0500CST			0	0	4	0	HAILSTORM
									The last report of severe weather associated with the original squall line occurred about 0500CST when 3/4 inch hail was produced in Port LaVaca. Minor damage to vegetation and some glass damage to homes and businesses were the only indicated problems.
WALKER COUNTY	12	1940CST			0	0	?	?	HAILSTORM
									Thunderstorm forming along secondary cold front that entered Southeast Texas during the late afternoon hours produced widespread 1/2 inch hail over Walker County. Isolated reports of hail up to one inch in diameter were received from the Huntsville area.
HARRIS COUNTY	12	2215CST			0	0	?	?	HAILSTORM
									Hail was also reported by numerous sources around the Harris County area as the line of thunderstorms continued Southeastward toward the coast. Most of the Hail was 1/2 inch in diameter, with golfball size hail being observed in Pasadena at 2345CST.
KENDALL COUNTY	18	2130CST			0	0	0	0	HAILSTORM
									Thunderstorms formed along a cold front that stretched from near Austin Southeastward to near Eagle Pass about 2000CST. As the line moved to the Southeast, large hail was reported in the Northwestern portion of Kendall County. No damage was indicated.
GUADALUPE COUNTY	18	2250CST			0	0	0	0	HAILSTORM
									Continuing Southeastward, the mentioned above began to move rapidly on its Northern end and slow dramatically on the Southern end. Just before 2300CST, storms in Northwestern Guadalupe County at Zorn, near the Comal County line, produced large hail. Observers did not specify the size, just noted that the hail was large.
BEKAR COUNTY	18	2345CST			0	0	0	0	HAILSTORM
									The cold front began moving along its Southern end Again, now forming a line that ran Westward from Seguin to San Antonio and then linked abruptly Southwestward to near Pearsall. Just before midnight Amateur Radio Spotters reported marble - sized hail the Western portion of San Antonio. At 2345CST, Hail of up to 3/4 inch in diameter was reported in West Central San Antonio. This was the last report of severe weather as the system began to weaken.
GRIMES COUNTY	23	1330CST			0	0	0	0	HAILSTORM
									A line of very heavy thunderstorms developed along a cold front aligned Northeast to Southwest and moving Southeastward across Central Texas. As the line approached Grimes County, it produced considerable small to medium size hail. Isolated reports of 3/4 inch hail were received from around the Anderson area where hail covered the ground. No damage was reported.
SAN JACINTO COUNTY	23	1540CST			0	0	0	0	HAILSTORM
									Moving East - Southeastward across the County, thunderstorms accompanying the cold front noted above began to produce small hail just after 1500CST. At 1540CST, hail of up to 3/4 inch diameter began to fall near the town of Evergreen in San Jacinto County. No damage was noted.
MONTGOMERY COUNTY	23	1650CST			0	0	0	0	HAILSTORM
									Town of Cut and Shoot reported 1/2 to 3/4 inch hail. As the cold front and associated thunderstorms moved through Montgomery County, 1/2 inch to 3/4 inch hail was reported in and around the town of Cut and Shoot. No damage was indicated

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Southern									
KERR COUNTY	27	Morning			0	0	?	?	WINDSTORM
									Winds of up to 60 mph in the area between Ingram and Hunt spread flames that destroyed 6 houses and 3000 acres of land.
ATASCOSA COUNTY	27	1400GCT	Small Narrow	0	0	3	0		TORNADO (FO)
									A small Tornado developed from a severe thunderstorm that was moving Northeastward across Atascosa County. The Tornado tore a metal roof off the patio of a home 2 miles north of Leming, then dissipated. The short-lived Tornado was observed by a neighbor as it struck the home.
41 TEXAS, Western									
El Paso, El Paso County	05	Most all Day			1	4	?	0	Heavy Snow
									Up to six inches of snow fell in El Paso causing considerable disruption of activities, resulting in the death of one person and four injuries (according to police) and hurting or killing much of the tender vegetation. The person was killed and four were injured when the car they were in slid on the snow and crashed into a utility pole. There were many other weather related accidents in the City, including one in which a train crashed into an unoccupied car stuck on the railroad tracks. School absenteeism was as high as 70 percent in some schools.
Ozona, Crockett County	12	0010GCT			0	0	0	0	Hail
									Golfball-sized hail 11 miles south of Ozona.
Ozona, Crockett County	12	0015GCT			0	0	0	0	Hail
									Golfball-sized hail 28 miles south of Ozona.
Canadian, Hemphill County	16	1455GCT			0	0	?	0	Hail
									3/4 inch hail fell in Canadian.
El Paso, El Paso County	22	Before Noon			0	0	?	0	Wind
									Strong wind gusts hit again (happens often) the parking lot at Beaumont Army Medical Center in El Paso damaging an estimated 230 cars. The wind, funneling through McKelligon Canyon, burst numerous car windshields. Other automobiles were damaged due to flying stones.
Pecan Station, Tom Green County	23	0145GCT			0	0	?	0	Hail
									Golfball-sized hail just northeast of Pecan Station.
Most of West Texas	27	Afternoon			0	0	?	0	Duststorm, Sandstorm and Wind
									The strongest windstorm, duststorm and sandstorm in March hit West Texas from early morning to late evening producing near hurricane force winds in many places. The wind was well over 80 mph at the Guadalupe Pass and at the McDonald Observatory in the Davis Mountains, 74 mph at Midland, 54 mph at San Angelo, 55 mph at Lubbock but only 35 mph at Amarillo. The Permian Basin "oldtimers" said the wind, dust and sand was the worst they had ever seen. It was quite dusty with visibility frequently near zero in Lubbock during more than 8 hours. There was widespread wind damage ranging from downed utility poles to destruction of mobile homes. Air traffic was interrupted much of the afternoon. Total dollar damage was high, but hard to estimate.
42 UTAH									
Cache, Weber, Summit Salt Lake, and Utah Counties	30	Midnight to about 1000 MST			0	1	5	0	Canyon Winds
									A canyon wind episode from late thursday night to early friday morning caused a moderate amount of damage and a minor injury. The injury occurred when an Ogden woman was blown to the ground and broke her knee. Property damage included: downed power lines, broken windows, one uncompleted house blown over, roof damage, and semi-trailers blown over. An unofficial observer in Farmington had gusts to 72 mph and Hill Air Force Base reported gusts to 50 mph.
43 VERMONT ————— NONE REPORTED									
44 VIRGINIA									
Northern	8	1400-1800EST			0	0	4	0	Snow
									Low pressure tracked eastward out of the Ohio valley across central Virginia. Thunderstorms were prevalent along the frontal zone accompanying the system, but instead of rain, people were surprised to see heavy snow that fell at a rate of 2 to 4 inches per hour. Accumulations ranged from 4 to 8 inches in the north portion to 2 inches or less in the southern portion. Rush hour traffic was snarled in the suburbs near Washington, D.C. and both Washington National and Dulles International Airports were forced to close for a time.
West Central & South Central	21	Early Morning			0	3	5	0	Wind
									High thunderstorm winds in the early morning hours caused extensive damage across the middle of the state. Many trees were blown down...some into houses...in Allegheny County near Covington. In one of these, an infant was injured as a tree crashed through the roof. Also, in Covington, a store under construction was blown down. Wind was estimated at 75 mph over sections of Campbell, Mecklenburg, Lunenburg and Prince Edward Counties between 1:30 and 3:00AM. Many trees were down and buildings damaged or destroyed on several farmsteads. In addition, several mobile homes were blown over resulting in two injuries. A parked airplane at an airport in Franklin County was damaged as it was flipped on its back by high winds.
Campbell County	21	0100EST	1	200	0	0	5	0	Tornado (F1)
									A small tornado touched down 5 miles northeast of Altavista near Rt. 701. A farm house and building, along with several barns were destroyed. In addition, a nearby house was moved off its foundation and other dwellings sustained roof damage.
Statewide	28-30				0	0	7	6	Wind, Rain, High Tides, Snow
									A rapidly deepening low pressure system moved out of the central Mississippi valley during the afternoon of the 28th. The storm dumped heavy rains across the southern and eastern portions of the state. Soils were already saturated from previous rains and, as a result, numerous streams and rivers went above flood level. The intense low tracked across the lower Chesapeake Bay early in the morning of the 29th, with winds gusting to over 50 mph. The strong easterly winds combined with very low pressure caused considerable tidal flooding in the lower Bay area, especially in Accomac County. The tidal flooding was the worst experienced since the great March 1962 storm. Several hundred homes and businesses in the towns of Saxis, Onancock and surrounding communities were inundated with water as much as 5 feet deep, causing the evacuation of many residents. Seventy-five percent of Tangier Island was flooded with up to a foot of water, while a large section of the airfield was rendered unusable by the storm. Many crab houses were destroyed by tidal flooding, high winds and surf. Over 1500 acres of farmland planted in small grains were damaged by salt water. As the low tracked northeastward off the Delaware coast, heavy rain changed to snow from Richmond northward. Amounts ranged from 2 inches or less south of Washington, D.C. to 10 inches west and north of Washington, with a maximum of 15 inches reported at Berryville. Many roads in the area were closed as streams crested on the 29th and 30th. In the south and central portions of the state thunderstorms with high winds toppled many large trees and caused damage to buildings.
45 WASHINGTON ————— NONE REPORTED									
46 WEST VIRGINIA ————— NONE REPORTED									
47 WISCONSIN									
Statewide	04-Morning Hours into 05 Early Morning Hours				0	0	0	0	Snowstorm
									A snowstorm dumped 2 to 10 inches of snow over the northern half of the state. Lighter snow amounts mixed with freezing drizzle to glaze highways and cause numerous accidents in the southeast. The heaviest snow band fell over west central Wisconsin where an 8 to 10 inch swath extended from North Hudson (10 inches) in St. Croix county to Bloomer (8 inches) in Chippewa county.
Kenosha County	15	1920GCT			0	0	3	0	Electrical
									Lightning struck a tree and followed reinforcing rods in a sidewalk to a house causing extensive damage.
Northwest Counties	20-Early Morning Hours into 21 Morning Hours				0	0	0	0	Snowstorm
									A storm system deposited 4 to 9 inches across the northwest third of the state. Locally heavier snow amounts of up to 15 inches were reported in the Lake Superior snowbelt where Melen in Ashland county received from 12 to 15 inches.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1984

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
48 WYOMING ————— NONE REPORTED																			
49 ALASKA, Northern																			
Tanana Valley	06	morning			0	?	4	0	Freezing rain										
<p>A weak weather front moved north through the Tanana Valley in the early morning hours of March 6, and caused brief freezing rain from Big Delta to Fairbanks. Precipitation amounts were .01" or a trace. The slick roads that resulted from this caused an estimated 50 auto accidents that were directly related to the icy surface. This episode, while not severe, was very unusual for the Tanana Valley for this time of year.</p>																			
Arctic Coast	09				0	0	?	0	Blizzard										
<p>Strong high pressure held over the Beaufort Sea as a weather front approached the Arctic coast from the south, causing east winds to increase. Winds to 40 knots were measured at Prudhoe Bay and Barter Island; the visibility at Prudhoe was as low as 1/8 mile. Chill factors reached -75°F. Blizzard conditions at Prudhoe lasted from about 10 in the morning to 6 in the evening; winds in the area diminished as the front moved up over the coast.</p>																			
49 ALASKA, Southern ————— NONE REPORTED																			
49 ALASKA, Southeastern ————— NONE REPORTED																			
50 HAWAII																			
Kauai and Oahu	1-2	Night			0	0	4	0	Wind										
<p>A deep low pressure system developed rapidly north of the islands on March 1st and a vigorous cold front moved rapidly southeastward across the chain during the night causing mostly minor wind damage, power outages and some downed trees. The front passed Lihue at 2200 HST, Honolulu at 0100, and Kahului at 0400. Southwesterly winds gusted at 30 to 40 mph in most areas.</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*

From J. Atmos. Sci., August 1981, p. 1517-1519



USCOMM-NOAA-ASHEVILLE, NC 1984-2500

CLIMATE PUBLICATIONS AVAILABLE FROM THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, N.C.

COMPARATIVE CLIMATIC DATA

Presents tables of monthly and annual averages, totals or extreme climate conditions for approximately 300 major population centers. This publication is particularly helpful for comparing temperature, rainfall, snowfall, wind velocities, sunshine, cloudiness and relative humidities for the principal cities. The cities are listed alphabetically by state in two sections: observed data and climatological normals. This is an annual publication.

STORM DATA

Monthly issue presents a chronological listing, by states, of occurrences of storms and unusual weather phenomena, together with data on the paths of individual storms, deaths, injuries, and estimated property damage, and a brief narrative description of each event. A new section in the bulletin entitled "OUTSTANDING STORMS OF THE MONTH" highlights severe weather and includes descriptive photographs of storms, their tracks, and analyzed maps. The December issue includes annual summaries of tornadoes and lightning and North Atlantic tropical cyclones.

MONTHLY CLIMATIC DATA FOR THE WORLD

Contains monthly means of temperature, pressure, precipitation, vapor pressure and sunshine for about 2,500 surface data stations worldwide. Also contains monthly mean upper air temperatures, dew point depressions and wind velocities for ten standard levels.

LOCAL CLIMATOLOGICAL DATA

Published monthly for each first-order station. Presents daily maximum and minimum temperatures, degree day data, precipitation, station pressures, wind statistics, sunshine and sky cover data, as well as 3-hourly data for certain parameters. An annual issue is available summarizing monthly data and including up to 40 years record, and featuring a narrative climatological summary and history of the station.

CLIMATOLOGICAL DATA

Published monthly for each state. Gives daily temperature and precipitation records, and monthly averages and totals, with departures from normal when available. Also derived statistics such as heating and cooling degree days, counts of days equaling or exceeding given temperature and precipitation thresholds, extremes, etc., are published for cooperative and first-order stations. Evaporation and soil temperature data are given for reporting stations. Seasonal snowfall, heating and cooling degree day tables included in selected tables. Annual summary also available.

HOURLY PRECIPITATION DATA

Monthly issue presents daily, hourly and maximum short duration data for the recording gage stations for each state except Alaska. The annual issue tabulates monthly and annual totals, and annual maximum precipitation data by selected time categories.

Comparative Climatic Data
For the United States
1980

Local Climatological Data
Annual Summary With Comparative Data
1980
CHICAGO, ILLINOIS
O'HARE INTERNATIONAL AIRPORT

Local Climatological Data
1981

MONTHLY CLIMATIC DATA FOR THE WORLD
Sponsored by
World Meteorological Organization

CLIMATOLOGICAL DATA
ANNUAL SUMMARY
JUNE 1981

Climatological Data
CALIFORNIA
TEMPERATURE AND PRECIPITATION EXTREMES
JUNE 1981

STORM DATA

HOURLY PRECIPITATION DATA
ANNUAL SUMMARY
FEBRUARY 1981

Hourly Precipitation Data
NEW YORK

A WORLD OF INFORMATION!
For

- Industry
- Research & Development
- Public Utilities
- Governmental Agencies
- Attorneys
- Construction
- Consultants
- Insurance Companies
- Colleges & Universities
- Solar Energy

FOR MORE INFORMATION CONTACT,
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801
(704) 259 - 0682
(FTS) 672 - 0682

DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE

COM 210
THIRD CLASS
BULK RATE

