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STORM DATA



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noaa

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Cover: The funnel of a tornado that struck Acton, Indiana on March 10, 1986. The tornado was one of 19 that, along with several damaging downbursts, were produced by a line of severe thunderstorms as it traversed the states of Indiana, Kentucky and Ohio in the afternoon (see TORNADOES and DOWNBURSTS in the OHIO VALLEY, pages 7 through 12). ---Photo by Jane Woker.

Maps of Zones used in the Storm Data and unusual weather phenomena section will be published in these editions of Storm Data:

Eastern States: January, April, July, & October.

Central States: February, May, August, & November.

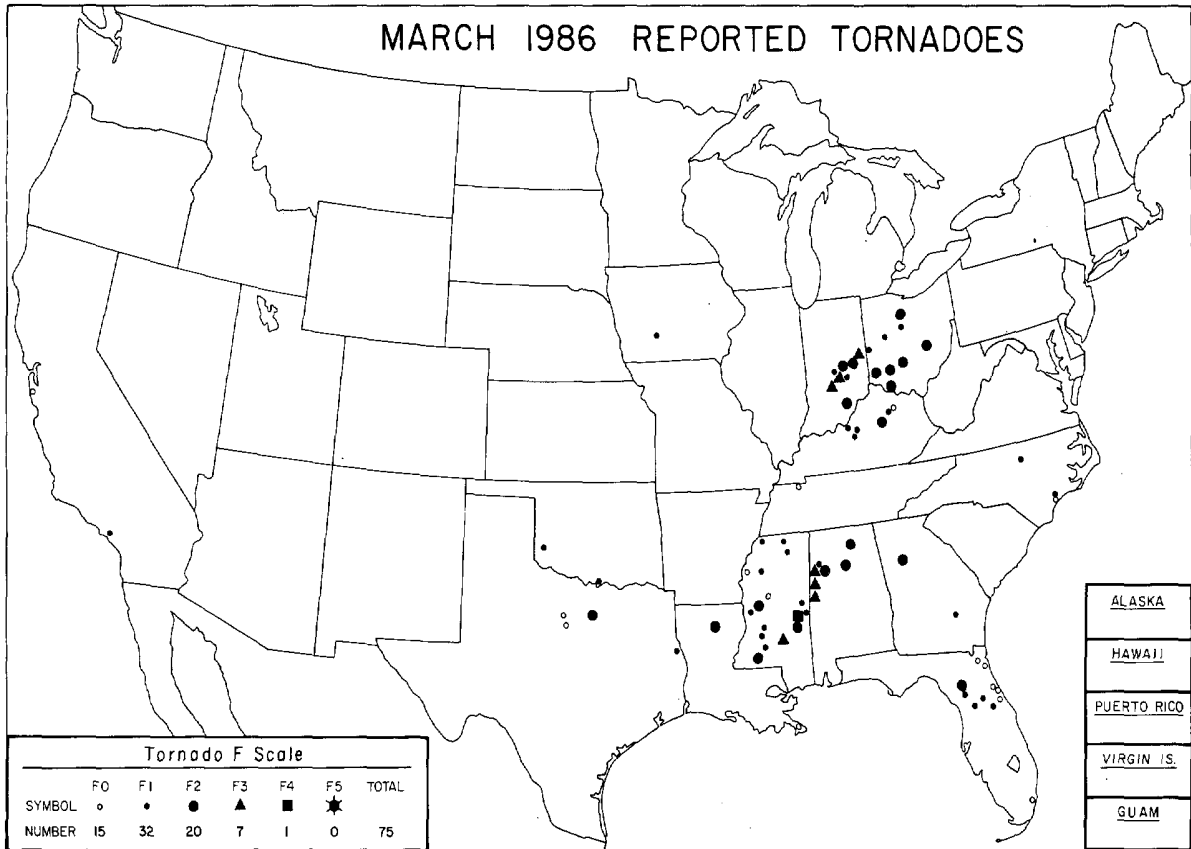
Western States: March, June, September, & December.

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

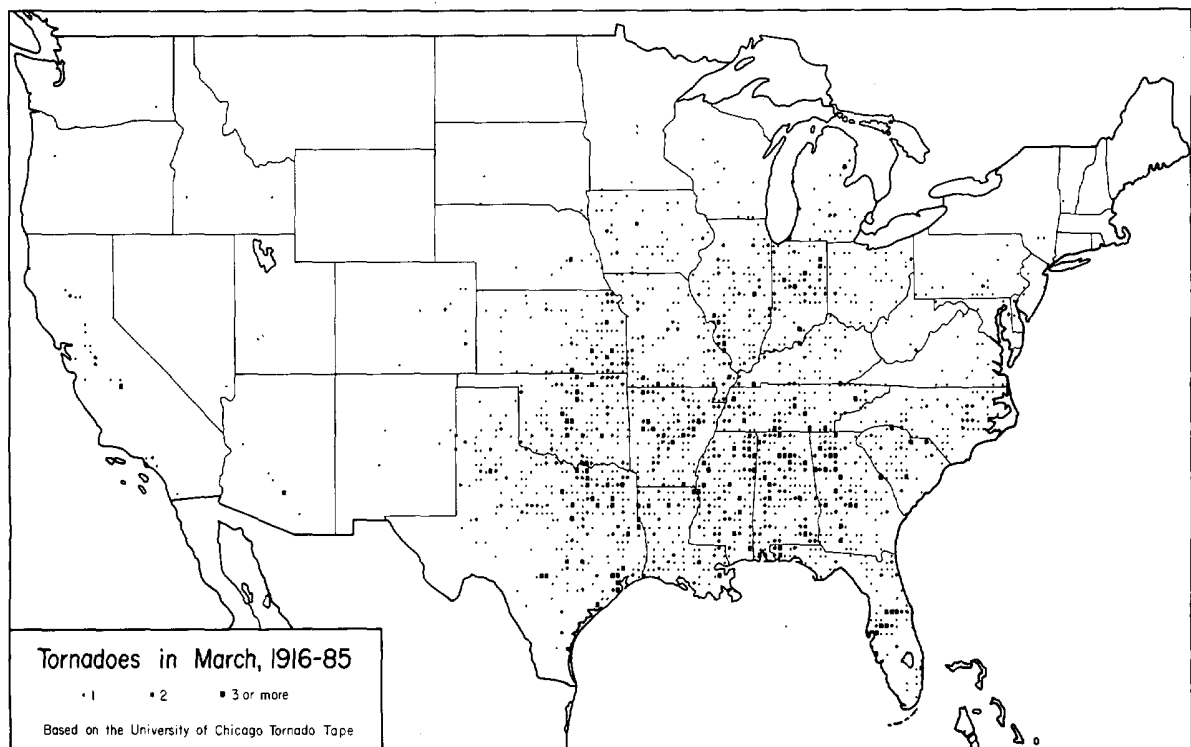
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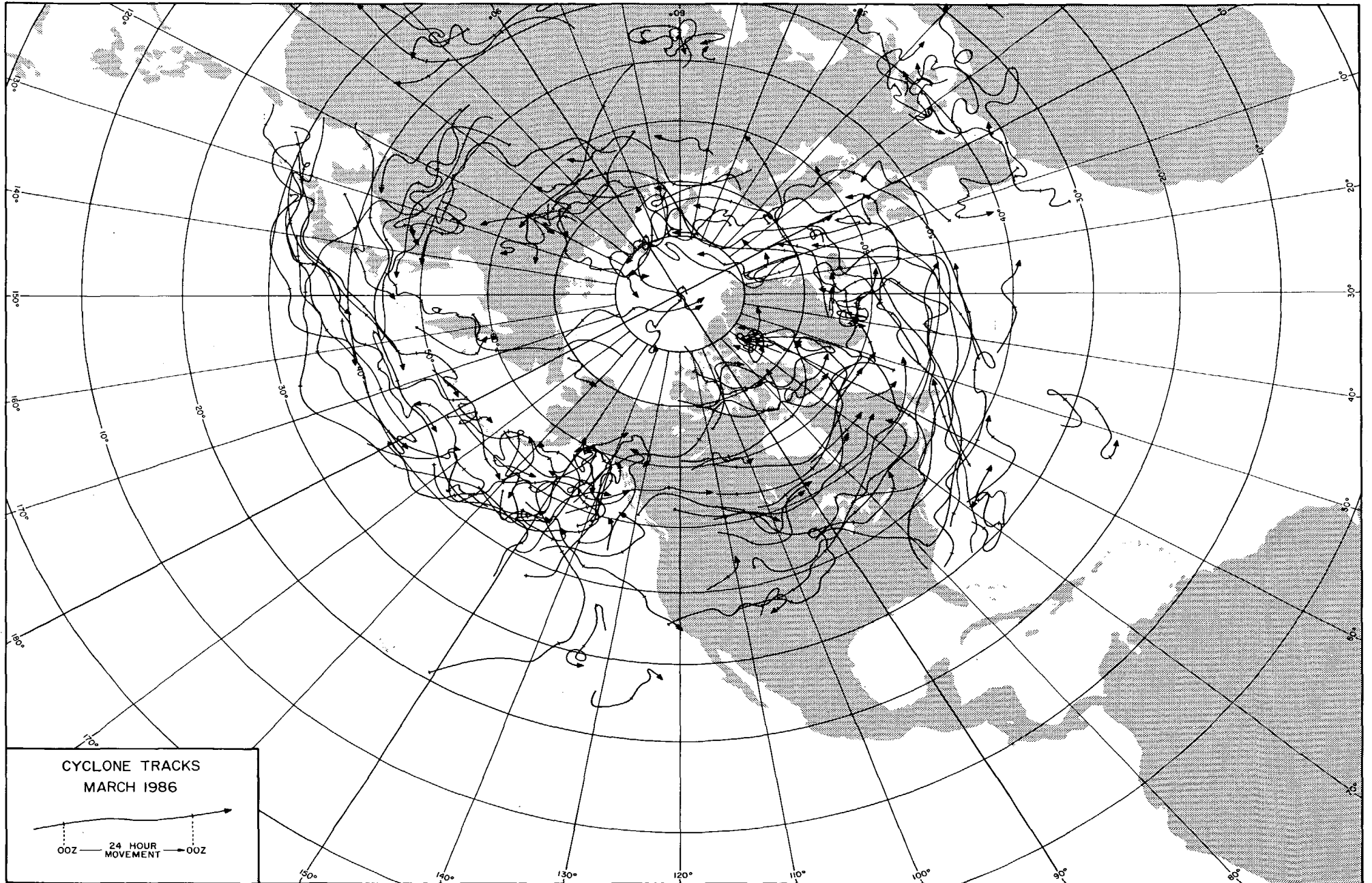
National Climatic Data Center, National Environmental Satellite, Data, and Information Service, NOAA, Federal Building, Asheville, NC 28801-2696.

OUTSTANDING STORMS OF THE MONTH



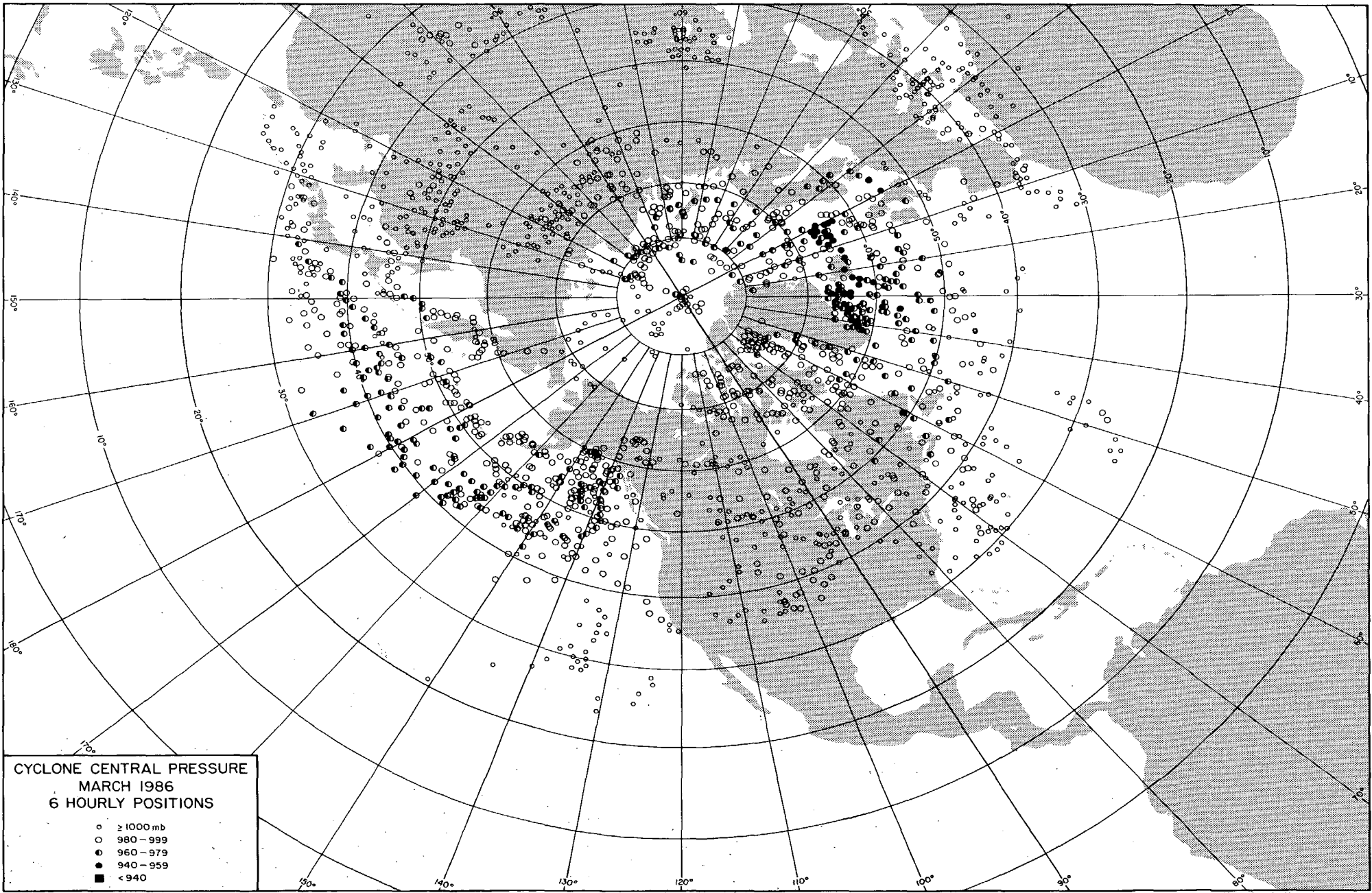
<ul style="list-style-type: none"> ● COMPLETE REPORT RECEIVED ◐ PRELIMINARY REPORT RECEIVED ○ REPORT NOT RECEIVED <p>(N) northern (W) western (S) southern (C) central (E) eastern (O) coastal (SE) southeastern</p>	<table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>● 1AL</td><td>● 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>● 40TN</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> </tbody> </table>	● 1AL	● 7DE	● 14KS	● 21MN	● 28NJ	● 33OH	● 39SD	● 44VA	● 49AK(SE)	● 2AZ	● 8FL	● 15KY	● 22MS	● 29NM	● 34OK	● 40TN	● 45WA	● 50HI	● 3AR	● 9GA	● 16LA	● 23MO	● 30NY(O)	● 35OR	● 41TX(N)	● 46WV	● 51PR	● 4CA(N)	● 10ID	● 17ME	● 24MT	● 30NY(C)	● 36PA(E)	● 41TX(S)	● 47WI	● 52VI	● 4CA(S)	● 11IL	● 18MD	● 25NE	● 30NY(W)	● 36PA(W)	● 41TX(W)	● 48WY	● 53PC	● 5CO	● 12IN	● 19MA	● 26NV	● 31NC	● 37RI	● 42UT	○ 49AK(N)		● 6CT	● 13IA	● 20MI	● 27NH	● 32ND	● 38SC	● 43VT	○ 49AK(S)	
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CYCLONE TRACKS
MARCH 1986

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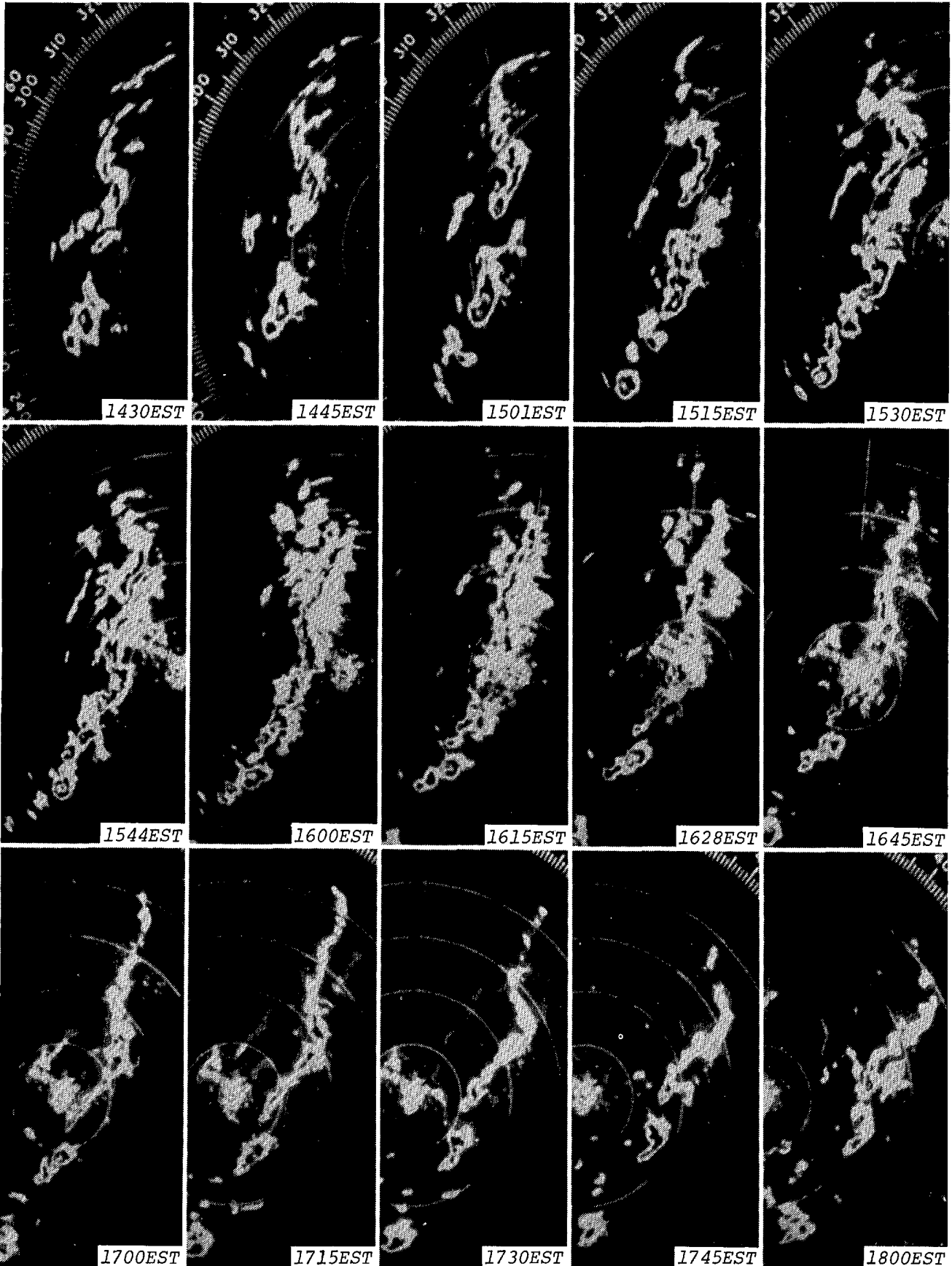


**CYCLONE CENTRAL PRESSURE
MARCH 1986
6 HOURLY POSITIONS**

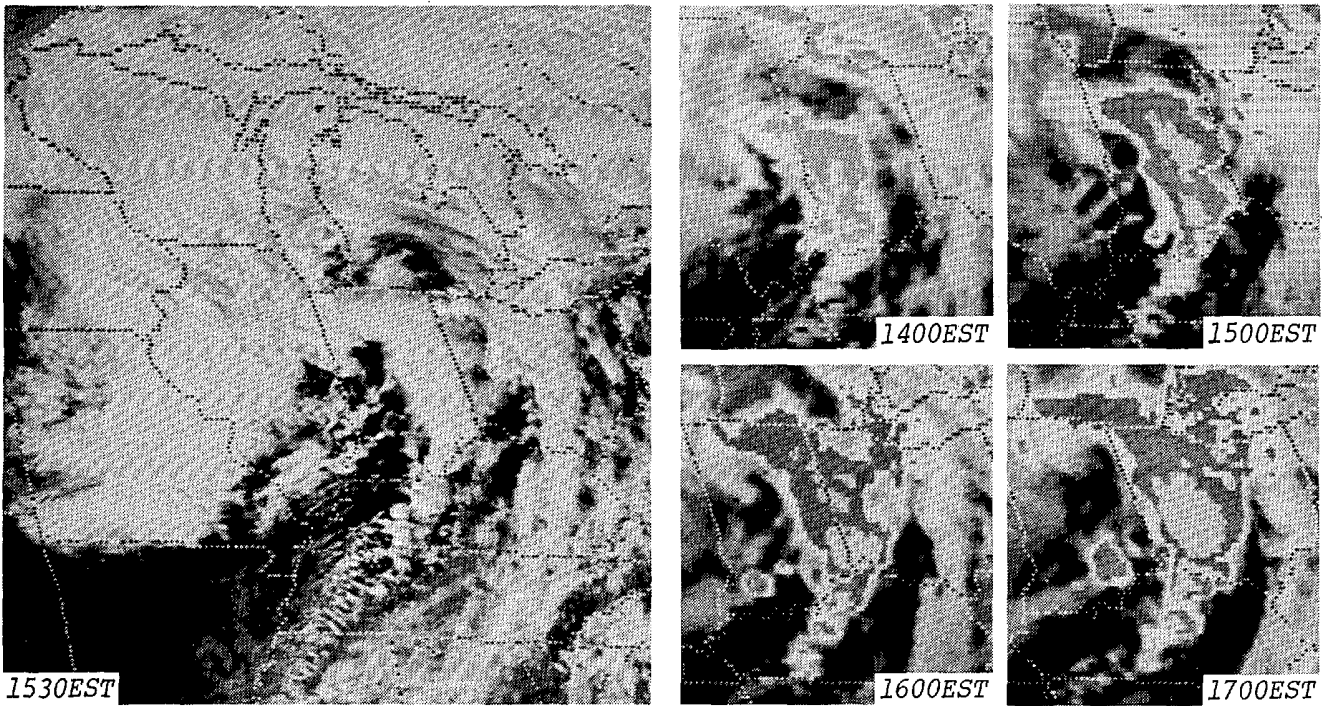
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1. TORNADOES and DOWNBURSTS in the OHIO VALLEY on March 10, 1986

The most damaging weather episode of March was a line of severe thunderstorms that produced 19 tornadoes and numerous downbursts as it moved eastward across the Ohio Valley on the afternoon of March 10th. BELOW: The severe thunderstorm line depicted at 15-minute intervals by the Covington, Kentucky NWSR-57 radar in PPI scan mode. The scope range equals 125 nm with 25 nm marker spacing. ---Radar microfilm from NCDC.



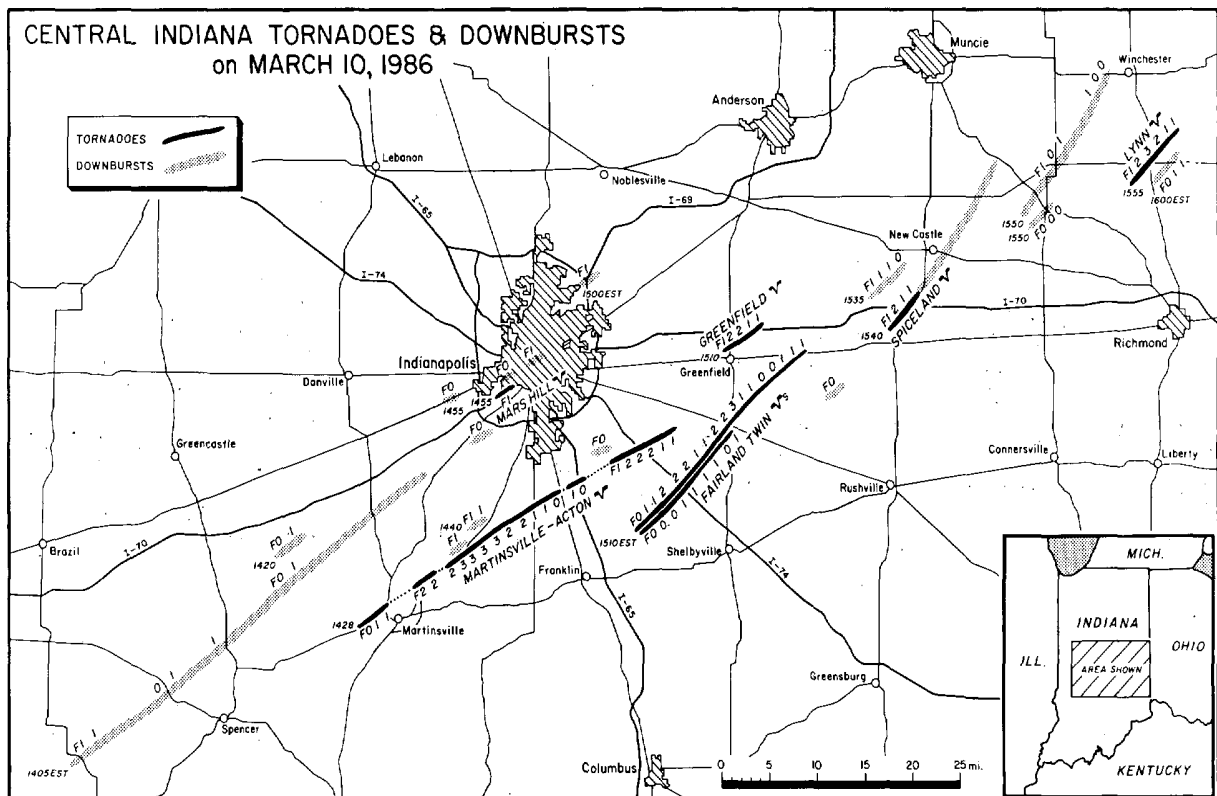
TORNADOES and DOWNBURSTS in the OHIO VALLEY ---- continued



A GOES 6 satellite, visible image (left) and 4 infrared images (right) show the thunderstorm line in relation to its parent cyclone, and the cloud-top thermal characteristics of the storms as they moved through the tri-state area, respectively. Phenomena associated with the storms are featured in Items 1a-1c. ---Photos from NESDIS.

1a. TORNADOES and DOWNBURSTS in CENTRAL INDIANA on March 10, 1986

Numerous downbursts and 7 of the 8 tornadoes in Indiana on March 10th were concentrated in a narrow WSW to ENE band through the center of the state (see map below). 3 of the tornadoes attained F3 windspeeds (158-206 mph), and two, the Fairland Twin tornadoes, traveled side by side for a distance of 10 miles while separated by only 3/4 of a mile. 1 death and 52 injuries occurred in the state throughout the day.



TORNADOES and DOWNBURSTS in CENTRAL INDIANA ---- continued



An unroofed home (viewed W) located 3-4 miles NNE of Martinsville that was one of 102 homes damaged or destroyed by the Martinsville-Acton Tornado.



At Continental Manor, located on Lincoln Road about 10 miles NNE of Martinsville, half of this structure (viewed NW) was sheared away by the tornado.



F3 damage sustained by a home located about 14 miles NE of Martinsville (view looking S).



A mobile home at Pleasant View, about 8 miles southeast of Indianapolis along I-74, that was partially twisted from its frame.



A destroyed service station (viewed E), also in Pleasant View.

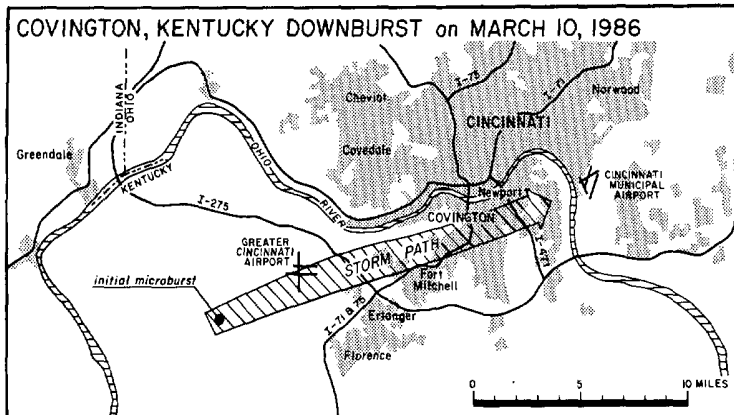


A church (viewed NW) that was unroofed by one of the Fairland Twin Tornadoes at about 4 miles NE of Fairland. Fairland is also along I-74, about 14 miles southeast of Indianapolis.

---Map on the previous page from surveys by Ron Przybylinski, John Curran and Diane Declaire, NWSFO Indianapolis, Indiana. All photos above by Ron Przybylinski.

1b. DOWNBURST at COVINGTON, KENTUCKY on March 10, 1986

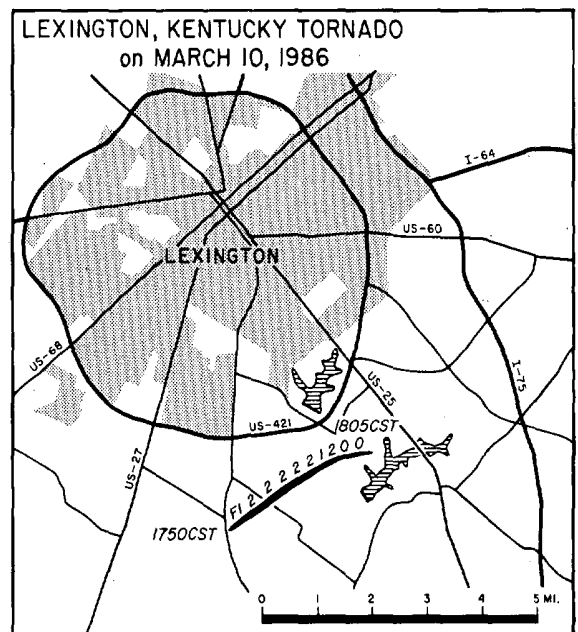
One of the March 10th thunderstorms produced about a 17 mile long path of severe downburst damage through three counties of extreme northern Kentucky, just south of Cincinnati. \$31 million in damage was done; \$13 million in Boone County, \$10 million in Kenton County, and \$8 million in Campbell County. The heaviest damage occurred



just south of the Greater Cincinnati (International) Airport and in the Covington-Newport area. At the airport, hangars and about 40 aircraft were damaged or destroyed, and windows were blown out of the control tower, injuring 6 controllers. There were 72 injuries in all, 40 of which occurred in Newport. ---Map by Beverly Poole, NWSFO Louisville, Kentucky.

1c. TORNADO at LEXINGTON, KENTUCKY on March 10, 1986

By late afternoon of the 10th, one of 2 tornadoes in Kentucky, an F2, created a short but costly, 3.5 mile long path of destruction through a densely populated area of Lexington. The area mainly consisted of subdivisions in which 845 homes were damaged and 55 were destroyed. 20 people were injured and 150 families were provided alternative shelter. ---Map by the University of Chicago from (PS&NACE) photos. Photo credits on pages 9 through 12: (LHL) photos by the Lexington Herald Leader; supplied by Beverly Poole, NWSFO Louisville, KY. (PS&NACE) photos by Photo Science Inc. and Niles and Associates Consulting Engineers, both of Lexington; supplied by Jim Speray, NWSO Lexington, KY. BELOW: Totally and partially unroofed homes that sustained the initial F2 damage near the path's beginning. ---(PS&NACE)





Two aerial views of homes at Ak-Sar-Ben Park which received the tornado's strongest damage, F2 but nearly F3. Almost all of the affected homes were made of modern materials and construction, and were situated in newer subdivisions on the southeast outskirts of the city. ---TOP: (PS&NACE); BOTTOM: David Perry, (LHL).



A car at Ak-Sar-Ben Park clearly demonstrates the danger and destructive force imposed by tornado-generated missiles, in this case, pieces of 2x4 boards from roof trusses. ---Ron Garrison, (LHL).



Additional F2 damage at about the midpoint of the tornado's path. ---(PS&NACE).

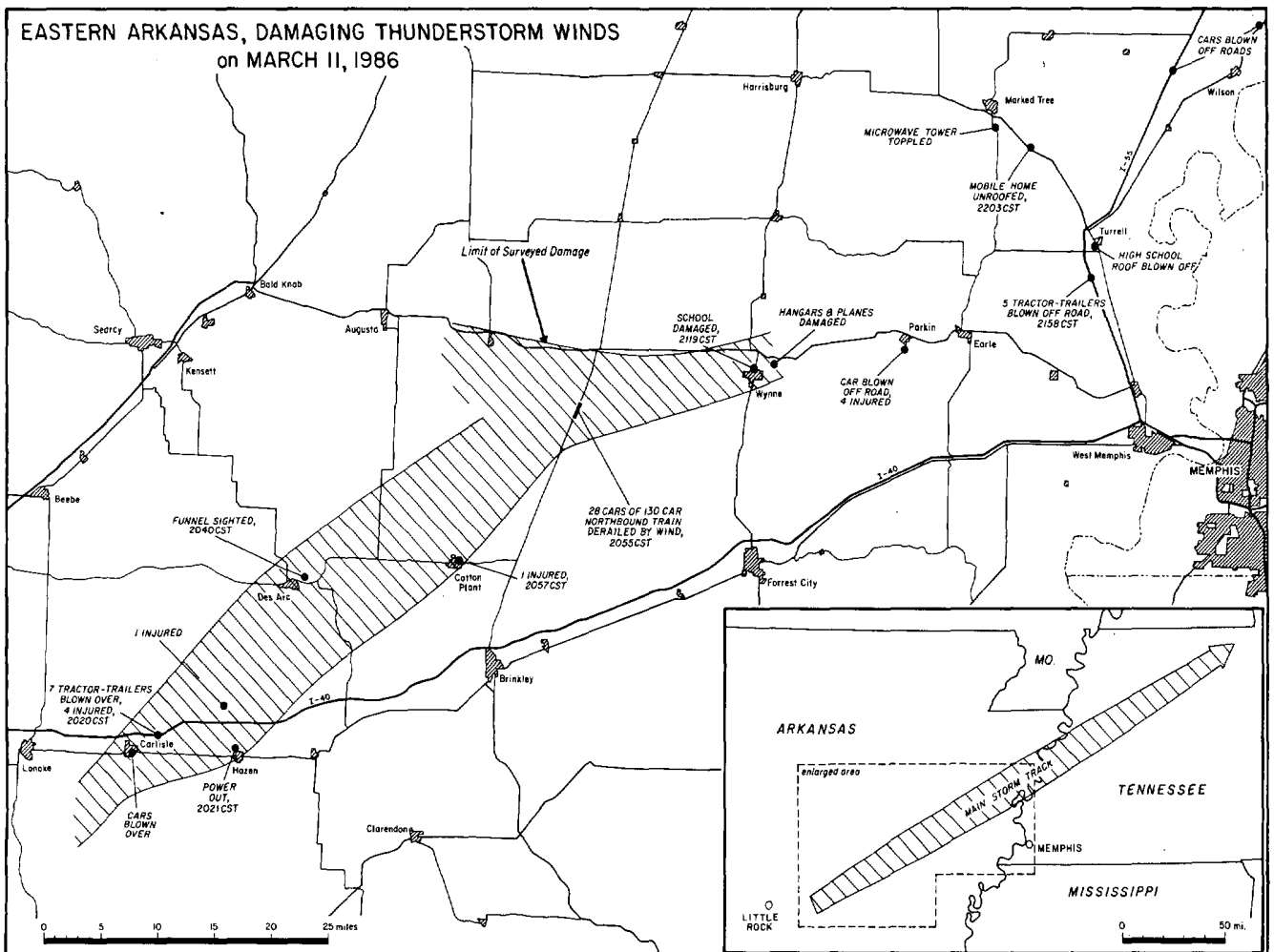
TORNADO at LEXINGTON, KENTUCKY ---- continued



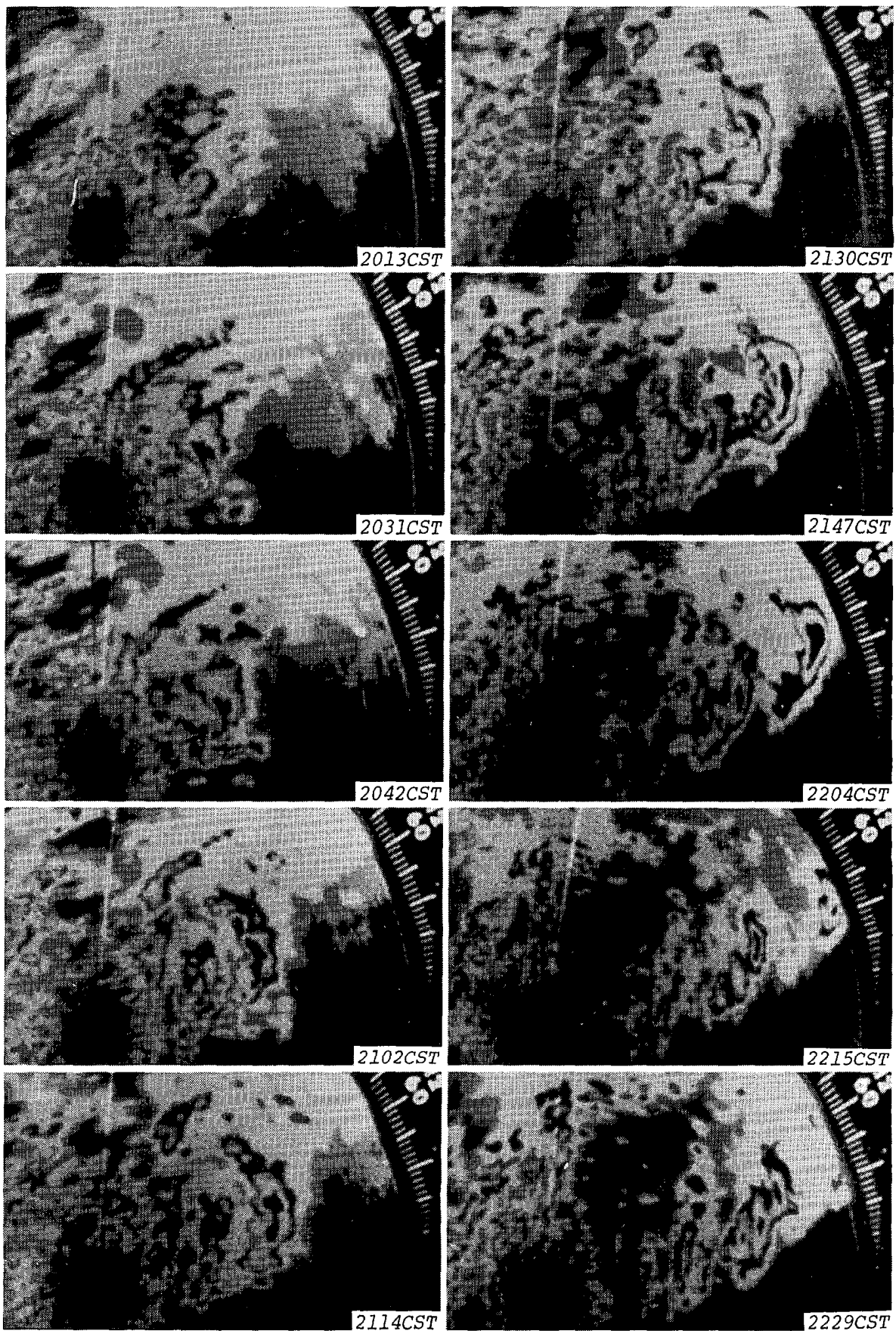
A shopping center near the end of the tornado's path that had roofing peeled and a rear fence blown apart. The house at left was the last to be unroofed. ---(PS&NACE).

2. THUNDERSTORM WINDS in EASTERN ARKANSAS on March 11, 1986

On the evening of March 11th, severe thunderstorms produced damaging winds as they moved rapidly across eastern Arkansas and into western Tennessee. In Arkansas the path width ranged between 6 and 12 miles, and the wide variety of damage included cars and tractor-trailers blown off roads, a toppled microwave tower, 2 unroofed schools, and even a derailed freight train. 12 people were injured. Similar damage occurred in western Tennessee where 5 people were injured. ---Mapped damage area from a survey by the NWSFO at Little Rock, Arkansas.

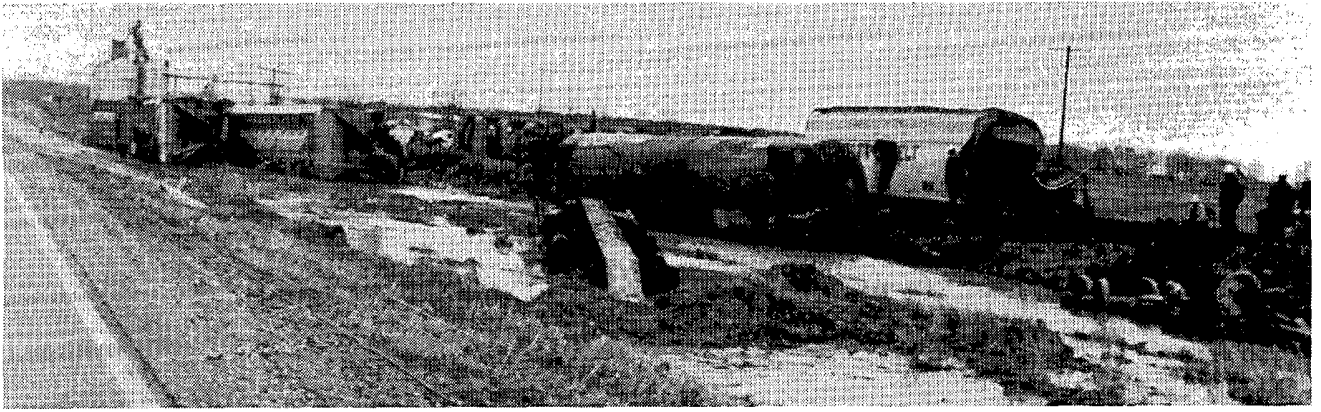


THUNDERSTORM WINDS in EASTERN ARKANSAS ---- continued



A 15 minute interval, photo sequence from the Little Rock, AK NWSR-57 radar in PPI scan mode on March 11th, shows that the line of thunderstorms that was responsible for the damaging winds was characterized by several reforming bow echos. Storms in the line's wake caused additional damage in areas south of the initial storm track. The radar scope range is 125 nm with 25 nm marker spacing. ---Radar microfilm from NCDC.

THUNDERSTORM WINDS in EASTERN ARKANSAS ---- continued



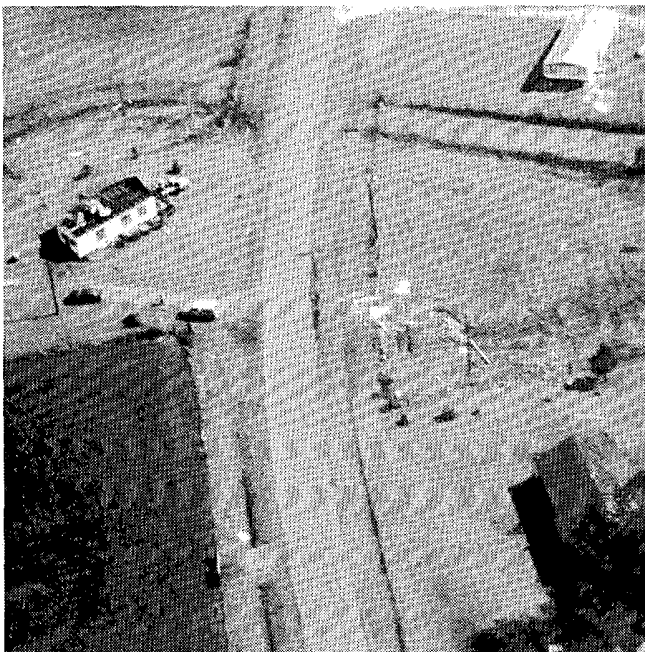
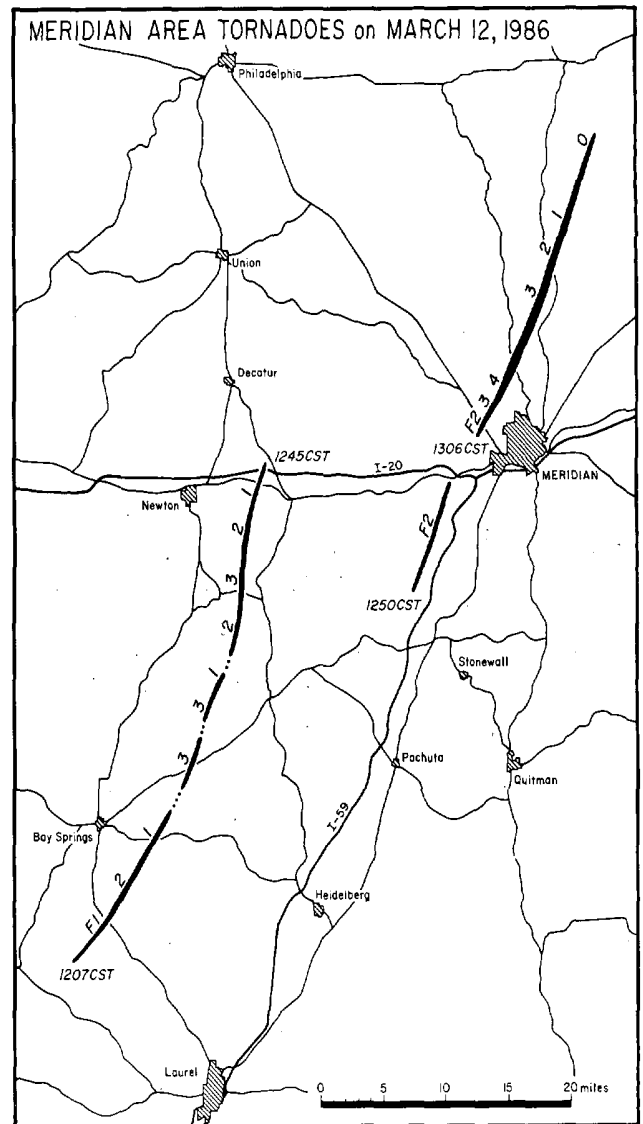
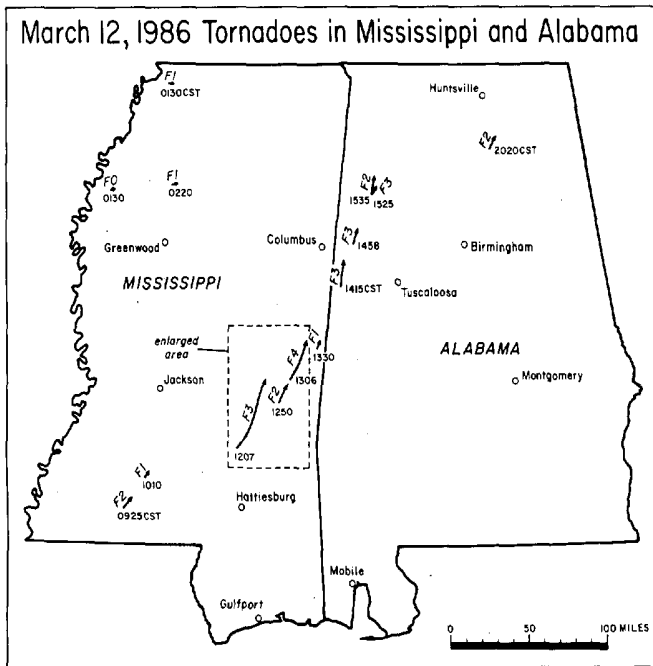
Several of the 28 freight cars that were derailed by an intense, mile-wide downburst as a 130 car train traveled northbound near Penrose, about 20 miles north-northeast of Brinkley. 21 of the cars were empty, and the derailment cost was set at \$411,000.



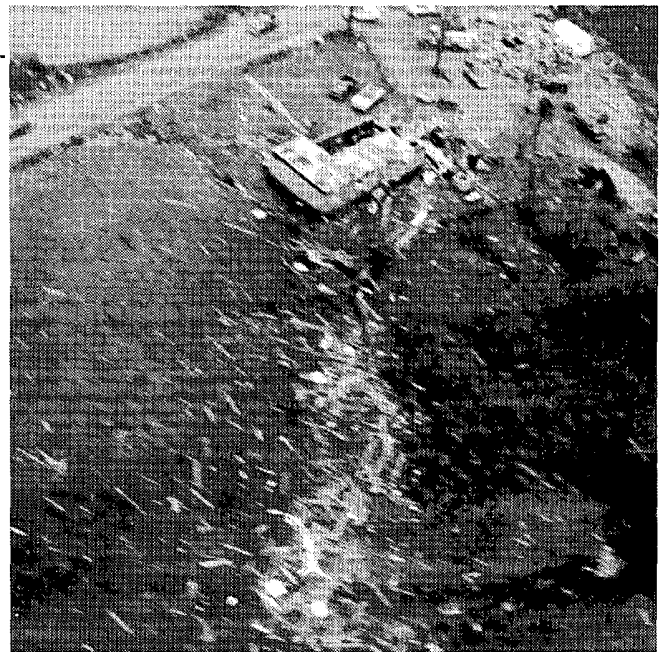
Damage to the junior high school at Wynn where the north wing was unroofed and 2 people were injured. ---All above photos by Allen Lee, NWSFO Little Rock, Arkansas.

3. TORNADOES in MISSISSIPPI and ALABAMA on March 12, 1986

11 of the 14 tornadoes that struck Mississippi and Alabama on March 12th were spawned by thunderstorms that redeveloped in the late morning and afternoon after a storm system had moved into the area from Arkansas on the previous evening (see Item 2). The 11 tornadoes included the first F4 of the year, 4 F3s, 4 F2s, and 2 F1s. The longest and strongest tornadoes were in the Meridian vicinity (see right map). ---Map at right from a survey by David Imy and Patsy Peden, NWSFO Jackson, MS. Map below by the University of Chicago.



An unroofed home and damaged residence in Jasper County that were struck by the Bay Springs-Newton Tornado.



A home of mobile-unit construction that had its roof torn off and strewn over a nearby field by the Meridian Tornado.

TORNADOES in MISSISSIPPI and ALABAMA ---- continued



A destroyed mobile home east of Bay Springs in Jasper County.

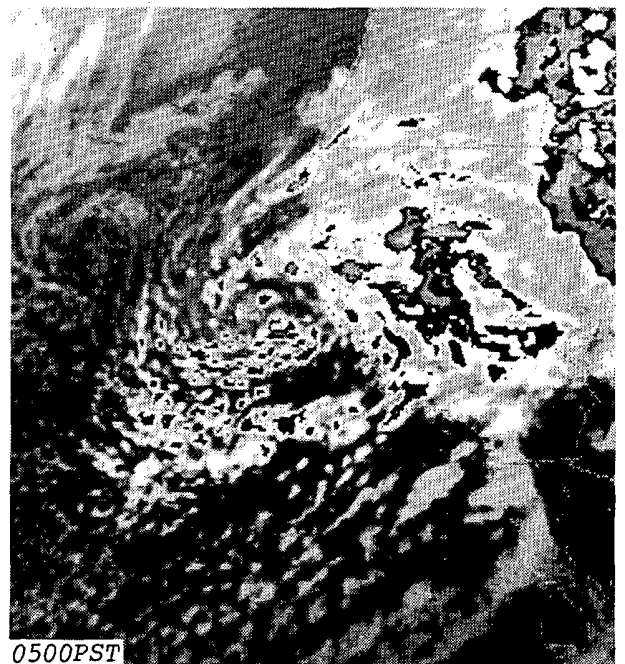
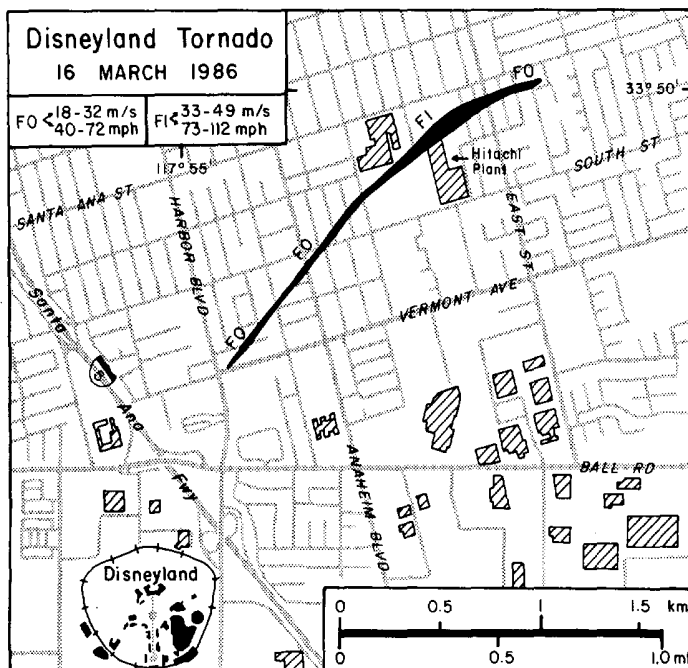


A home that was pushed off its concrete block foundation and subsequently flattened.

---All damage photos on pages 15 and 16 by David Imy, NWSFO Jackson, Mississippi.

4. TORNADO at ANAHEIM, CALIFORNIA on March 16, 1986

A storm system along the California coast produced a small but rare tornado that struck perilously close to Disneyland in Anaheim on March 16th. The 1.25 mile long, F1 tornado damaged several homes and an industrial plant just northeast of the landmark at 0530PST. Luckily, no one was injured. ---Map and GOES 6 satellite, infrared image provided by Roger M. Wakimoto, University of California at Los Angeles.



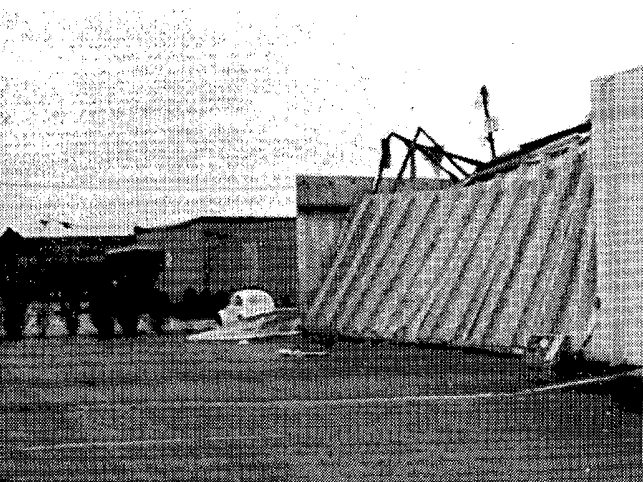
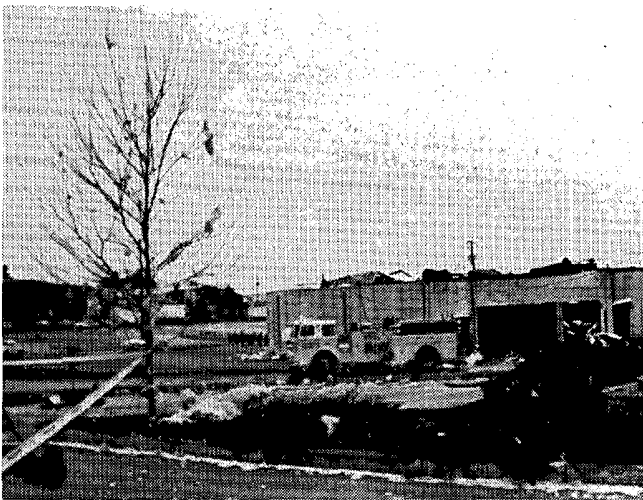
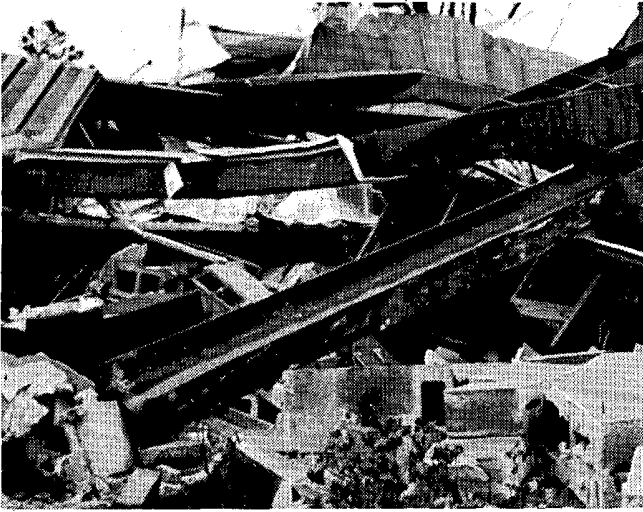
5. TORNADO near MARIETTA, GEORGIA on March 19, 1986

At 0632EST on March 19th, a tornado that attained F2 intensity set down in an industrial park northeast of Marietta, Georgia, about 17 miles north-northwest of downtown Atlanta. It damaged or destroyed 15 warehouse businesses on either side of Interstate 75 near Georgia Highway 5, and then continued on its 5.7 mile long path into a residential area where it destroyed 2 houses and damaged 150. At least 6 vehicles traveling on Interstate 75 were damaged or destroyed, accounting for 12 of the 15 injuries caused by the tornado.

The photos on pages 17 and 18 depict damage sustained by the warehouse businesses along Interstate 75. The structures consisted mainly of steel I-beam framing with sheet metal, concrete block, and/or concrete slab exterior facings. ---All photos by Gregory S. Forbes, Pennsylvania State University.



TORNADO near MARIETTA, GEORGIA ---- continued



STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1986

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									
Hamilton, Marion County	12	0600CST			0	0	4	0	Wind
Damage from thunderstorm winds included one house damaged by a falling tree and several sheds at a lumber yard damaged or destroyed.									
Monrovia, Madison County	12	0715CST			0	0	3	0	Wind
Thunderstorm winds damaged a mobile home.									
Cuba, Sumter County	12	1400CST			0	0	1	0	Wind
Thunderstorm winds ripped off large tree limbs.									
Talladega area, Talladega County	12	1410CST			0	0	3	0	Wind
Thunderstorm winds ripped an awning from a service station on Alabama 21 north. A car and a gas pump were also damaged.									
Emelle/Gieger, Sumter County	12	1415CST							Funnel Clouds
Twin funnel clouds were reported moving north between Emelle and Gieger.									
4NW Aliceville to 8.5 W Reform, Pickens County	12	1415CST	16	800	2	0	6	0	Tornado (F3)
A strong tornado first touched down just south of Alabama 17 about 4 miles NW of Aliceville and moved almost due north before lifting just south of U.S. 82, 8.5 miles west of Reform. A 59 year old woman and her 82 year old father were killed when the storm destroyed their home on Alabama 86 west of Carrollton. The fatalities occurred when the chimney of the home collapsed. A third occupant of the home was in a hallway and was not injured. Several other occupied homes were heavily damaged, but the occupants had sought shelter and were not injured. One lady whose brick veneer home was destroyed had taken shelter in the hallway along with three children and escaped injury. At least 5 homes were destroyed and 40 others were damaged. Five mobile homes were damaged or destroyed, and there was extensive damage to timber and powerlines. Heavy rains following the tornado caused extensive water damage to buildings that had sustained roof damage from the tornado. Timber damage was estimated at \$250,000 and other damage at 1.5 million dollars.									
Carrollton, Pickens County	12	1433CST							Funnel Cloud
Police reported a funnel cloud over Carrollton moving north.									
Millport, Lamar County	12	1455CST			0	0	?	?	Funnel Cloud
Police reported a funnel cloud south of Millport. Police reported 55 to 60 mph winds in Millport at 1458CST.									
2SE Millport to 3NNW Kennedy, Lamar County	12	1458CST	6	300	0	0	5	0	Tornado (F3)
A strong tornado first touched down in a wooded area SE of Millport and moved NE. The tornado clipped one corner of a new consolidated school complex just south of Alabama 17/96, blew an occupied automobile off of the highway, and was reported to have lifted a railroad car off the tracks just north of the highway. The tornado caused extensive damage to a lumberyard north of the highway.									
Marion and Fayette Counties	12	1523CST			0	0	?	?	Hail
Hail to 3/4 inch in diameter was reported on the Marion/Payette county line south of Guin.									
1W-2N Winfield, Marion County	12	1525CST	2.5	200	0	0	5	0	Tornado (F3)
A tornado first touched down near U.S. 78 about 1 mile west of downtown Winfield and moved NNE. Trees were downed and a barn and some outbuildings were unroofed at a dairy farm. A frame house was destroyed near the end of the path. Residents of the house were in a storm shelter. A second tornado reported below crossed the same area a few minutes later.									
1WN Winfield to 7.6 NW Brilliant, Marion County	12	1535CST	7.5	200	0	0	4	0	Tornado (F2)
A second tornado touched down in almost the same area of one about 10 minutes earlier and moved NNE along part of the same path. Workers at a dairy farm that had experienced some damage in the first tornado had rushed out to try and put covers over some feed and other material, then had to take quick shelter from the second tornado. The second tornado inflicted additional damage to barns, the silo and other buildings. The top floor of a two story concrete block building was blown off, but workers who had taken shelter in the lower part of the building were not injured. Damage along the remainder of the storm's path was mainly to trees and outbuildings.									
NW Cullman County	12	1711CST							Funnel Cloud
A funnel cloud was reported near Alabama 157 and the county line in northwest Cullman County.									
ALABAMA									
Bessemer, Jefferson County	12	1800CST			0	0	2	0	Wind
Strong wind gusts downed some trees and powerlines on the south edge of Bessemer. The nearest thunderstorms were some 45 miles to the west.									
Jones Chapel area, NW Cullman County	12	1900CST			0	0	?	?	Hail
Hail to 3/4 inch in diameter was reported in the Jones Chapel area near the Cullman/Winston county line.									
West Point, Cullman County	12	1932CST			0	0	?	?	Wind
Spotters reported wind gusts estimated at 65 mph.									
1SW-6NE Arab, Cullman and Marshall Counties	12	2020CST	7	200	0	5	6	0	Tornado (F2)
A tornado first touched down in extreme NE Cullman County at a mobile home park inside the Arab City limits, but in Cullman County, and moved NE. Five members of one family riding in a car and a truck were injured when the tornado struck the vehicles. The father and one daughter were in the truck and the daughter was thrown from the vehicle and suffered some broken bones. The mother and two daughters were in the family car. Other damage included trees and powerlines downed, 6 mobile homes and 5 houses damaged, and some industrial buildings damaged.									
NW Shelby County	12	2031CST			0	0	1	0	Wind
Trees were reported down on Signal Road near Oak Mountain State Park.									
Prestwick/Sunflower areas, Washington County	12	2045CST			0	0	4	0	Wind
Thunderstorm winds downed trees and one house was reported heavily damaged by a falling tree.									
Jackson, Clarke County	12	2100CST			0	0	4	0	Wind
Thunderstorm winds downed some trees and powerlines and damaged some roofs. Two industrial plants sustained damage to outbuildings and other equipment. At least one house and one car were struck by falling trees.									
Lowndes County	12	2240CST			0	0	1	0	Wind
Thunderstorm winds downed trees in the Benton, Pleasant Hill and Collirene areas at 2240CST and in the Lowndesboro, Gordansville and Hayneville areas at 2325CST. Some outbuildings were also damaged.									
Pine Level, Autauga County	12	2340CST			0	0	3	0	Wind
Thunderstorm winds destroyed a small barn, damaged several roofs, and downed some trees and powerlines.									
Guntersville, Marshall County	13	0120CST			0	0	3	0	Wind
Thunderstorm winds toppled powerline poles on a causeway at Lake Guntersville.									
Milry, Washington County	15	2345CST			0	0	?	?	Hail
Hail to 1 3/4 inches in diameter was reported.									
Montgomery, Montgomery County	16	0103CST			0	0	?	?	Hail
Hail to 3/4 inch in diameter was reported at Dannelly Field at 0103CST and in SE Montgomery at 0115CST.									
Monroeville, Monroe County	16	0123CST			0	0	?	?	Hail
Hail to 3/4 inch in diameter was reported.									
Crenshaw County	16	0150CST			0	0	?	?	Hail
Hail to 3/4 inch in diameter covered the ground at Highland Home at 0150CST. Hail to near 1 inch in diameter covered the ground and thunderstorm winds destroyed two outbuildings at Honoraville at 0200CST.									
8SE Montgomery, Montgomery County	16	0215CST			0	0	?	?	Hail
Hail of up to 3/4 inch in diameter was reported and thunderstorm winds damaged a roof.									
6S Tuskegee, Macon County	16	0230CST			0	0	?	?	Hail
Hail to 1 inch in diameter was reported.									
Birmingham, Jefferson County	18	2226CST			0	2	5	0	Wind
Thunderstorm winds blew down a large tree that fell across a fast food shop and some cars. Two people were injured. There was damage to the building and to 5 cars.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1986

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										
4SW to 4.4N Brilliant, Marion County	18	2300CST	6.8	140	0	0	4	0	0	Tornado (F1)
A tornado touched down very close to the track of another tornado that had crossed the area on March 12. The tornado first touched down on the lee side of a ridge about 1 mile from an occupied home and moved NE. The occupant of the home heard the storm approach and took shelter underneath a table in the hallway. The carport was ripped off the home along with part of the roof and an automobile was heavily damaged. Numerous trees were down in the storm's well defined path. Outbuildings and a barn were demolished and another home was damaged at about 2 miles to the NE. The rest of the path was mostly through a wooded area. The tornado dipped into several hollows along its path and downed numerous trees.										
Reamlap, Blount County	19	0200CST	0.2	75	0	0	4	0	0	Tornado (F2)
A tornado demolished a house and downed trees. The occupants of the house were not injured.										
Salem, Lee County	19	0550CST			0	0	4	0	0	Wind
Thunderstorm winds destroyed a large utility building, unroofed a barn, damaged a house and downed several trees.										
2 ARIZONA										
AZZ00N Northern Arizona	08	Afternoon			0	0	0	0	0	High Wind
A vigorous Pacific storm system caused widespread winds of 50 to 60 mph.										
Mohave County	08	1630MST			0	0	3	0	0	High Wind
A frontal system spawned thunderstorms which caused brief damaging winds in Bullhead City. Some power lines were downed, and at least one garage was damaged due to microburst winds.										
Coconino County	10	Afternoon			0	0	0	0	0	High Wind and Heavy Snow
Up to a foot of new snow fell in the higher elevations and winds of 50 mph swept across the northern parts of Arizona.										
Gila County	11	1500MST			0	0	4	0	0	Lightning
A lightning bolt struck a home in Payson, causing a large explosion and resulting in it bursting into flames. The home burned and collapsed in a few minutes. The explosion was seen by a helicopter pilot/paramedic who rushed into the burning home and rescued two occupants. A third person escaped on her own.										
Maricopa County	12	1955MST			0	0	3	0	0	High Winds
A roof was blown off of a building in Cashion as thunderstorm microburst winds struck.										
AZZ008	16- 17	Night			0	0	0	0	0	Heavy Snow
A narrow, southwest to northeast band of heavy snow left 17.6 inches in Flagstaff.										
Maricopa County	27	2300MST			0	0	1	0	0	High Wind
Strong winds from distant thunderstorms to the southeast caused some damage in a residential area of Tempe.										
Maricopa County	28	1730MST			0	0	2	0	0	High Wind
Gusts of up to 58 mph struck Luke AFB near Glendale, resulting in minor damage. Brief zero visibility and power outages occurred.										
3 ARKANSAS										
Crawford County	10	0130 CST			0	0	?	?	?	Thunderstorm wind
One mobile home and a tractor-trailer truck were overturned by wind gusts. Also, several vehicles had their windows broken. All of the damage was reported in Alma at a truck stop. Trees and power lines were knocked down in unspecified parts of the county.										
Newton County	10	0215 CST			0	0	?	?	?	Thunderstorm wind
Power and telephone lines were blown down in Jasper.										
Boone County	10	0226 CST			0	0	?	?	?	Thunderstorm wind
A tree was blown down at Bergman. Nine minutes later, trees were blown down five miles southeast of Harrison.										
ARKANSAS										
Carroll County	10	0240 CST			0	0	4	?	?	Thunderstorm wind
Trees and power lines were blown down across many parts of the county. Just north of Berryville, along highway 221, gusts unroofed a poultry house and blew down an outbuilding, causing about \$7,000.00 in damage. Also, a barn was blown down in Eureka Springs.										
Hempstead County	10	0330 CST			0	0	3	?	?	Thunderstorm wind
A large, tornado siren was knocked to the ground by a strong gust that snapped the pole where the siren was mounted in Ozan.										
Mississippi County	10	0900 CST 1030 CST 1130 CST			0	0	2	?	?	High wind High wind High wind
Winds blew out of the southeast about 18 mph with gusts as high as 43 mph. Several tree limbs were knocked down, causing power outages in Blytheville. A few utility poles were blown down. Two large, plate-glass windows and a satellite antenna-dish were broken.										
Baxter County	11	1959 CST 2315 CST			0	0	?	?	?	Lightning Lightning
Lightning struck a radio-transmitter tower causing the station to be off the air for two hours. The same tower was struck again by lightning about an hour and half after repairs had been completed. It took two days to repair the damage from the second strike!										
Lonoke County	11	2020 CST			0	4	4	?	?	Thunderstorm wind
Prairie County	11	2040 CST			0	1	6	?	?	Thunderstorm wind
Woodruff County	11	2055 CST			0	0	5	?	?	Thunderstorm wind
Woodruff County	11	2057 CST			0	1	4	?	?	Thunderstorm wind
Woodruff County	11	2101 CST			0	0	4	?	?	Thunderstorm wind
Cross County	11	2119 CST			0	2	5	?	?	Thunderstorm wind
Crittenden County	11	2158 CST			0	0	4	?	?	Thunderstorm wind
Mississippi County	11	2200 CST			0	0	?	?	?	Hail (1.75")
Poinsett County	11	2203 CST			0	0	3	?	?	Thunderstorm wind
Mississippi County	11	2215 CST			0	0	?	?	?	Hail (1.00")
Cross County	11	2215 CST			0	4	?	?	?	Thunderstorm wind
A line of heavy thunderstorms moved east across Central and Eastern Arkansas. The individual cells were moving northeast at 60 mph. The fast motion plus the downdrafts combined to produce a long and wide swath of wind damage. Path width ranged between 6 and 12 miles. Damage started between 1/2 mile north of Culler to a mile south of Interstate 40. Some of the communities along the destruction path were: Carlisle, Hazen, Des Arc, Cotton Plant, McCrory, Wynne, and Turrell. Damage was done between 8:15 PM CST and 10:30 PM CST from Lonoke County to Mississippi and Crittenden Counties. At 8:20 PM, 7 tractor-trailers were blown off Interstate 40 just east of Carlisle, causing 4 injuries. Cars were blown over in Carlisle itself. A funnel cloud was reported by the Sheriff 2 miles east of Des Arc at 8:40 PM. One injury required hospitalization at Center Point, west of Hazen, as a house was destroyed. A mobile home was destroyed at Fawn Acres, just north of Hazen. Many trees were blown down in the Wattensaw Wildlife Management Area, near Hazen. Many trees, utility poles, and farm buildings received wind damage throughout the entire path of the thunderstorm gusts. The Sheriff estimated the damage in Prairie County alone at 1.5 - 2 million dollars. In Woodruff County, 20 homes, 3 grain elevators, and several mobile homes were damaged along with 110 utility poles. At 9:01 PM, a trailer, barn, and a house were damaged in McCrory. A woman suffered a dislocated shoulder on Highway 38, just east of Cotton Plant at 8:57 PM. A 130-car train was headed north at 8:55 PM when 28 cars derailed from a very intense downburst a mile wide. The accident occurred 4 miles south of Fair Oaks (near Penrose). The cost of this derailment was placed at \$411,000. Luckily, 21 of the cars were empty, so no major spill occurred. At Wynne, Cross County, the junior high school was damaged at 9:19 PM. The wind unroofed the north wing, damaged one corner of the gymnasium's west wall, and did partial roof and water damage to the band room and the principal's office. Two minor injuries occurred at the junior high. Several homes were unroofed or damaged across from the school. There were several other homes and mobile homes damaged throughout Cross County. At the Wynne Airport, 2 hangars were damaged, one airplane was destroyed and 2 others were damaged, causing at least \$75,000.00 in damages. In Poinsett County, one mobile home was unroofed at Tyrone. Trees were uprooted and power lines blown down. There were \$5,000 in damages to the cable television lines, \$30,000 in damages to farm shops, and \$20,000 to ten cotton trailers at a gin. In Crittenden County, half of the roof was blown off at the Turrell High School over the gymnasium and 12 classrooms. Five tractor-trailer trucks were blown off the road along Interstate 55 just north of Clarkedale at 9:58 PM. Golfball-sized hail fell near Wilson in Mississippi County at 10:00 PM. Also, two inches of hail covered the ground at 10:10 PM along I-55, twenty miles north of Memphis in Crittenden County. At 10:15 PM, one-inch hail was reported at Luxora in Mississippi County. Also at 10:15 PM, a car was blown off the road along Highway 75, just south of Parkin, injuring 4 persons. Three of the injured required hospitalization.										
Crittenden County	11	2158 CST			0	0	?	?	?	Thunderstorm wind
Three tractor-trailer rigs were blown over along I-55 near Lake David.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	KILLED	INJURED	PROPERTY	CROPS		
— ARKANSAS														
Mississippi County	11	2200 CST			0	0	3	-	Thunderstorm wind					
		2200 CST			0	0	?	-	Hail (1.75")					
A strong thunderstorm blew a car off Highway 61 near Osceola. Another car was blown off Interstate 55 near mile marker 38. Golfball-size hail was reported at Osceola.														
Poinsett County	11	2200 CST			0	0	-	-	Hail (1.75")					
Golfball-size hail fell at Boat Run Community near Tyrnza.														
Poinsett County	11	2230 CST			0	0	?	-	Thunderstorm wind					
A 250-ft microwave relay antenna was blown down just south of Marked Tree along Highway 149. A farm workshop was demolished on Highway 118 south of Tyrnza. Awning and window damage was reported at Black Oak.														
Sevier County	11	2300 CST			0	0	3	-	Lightning					
Lightning damaged an electric welder inside a home in the eastern section of the county, causing about \$3,000.00 in damage. Also the electrical wiring in the house was damaged.														
Faulkner County	11	2330 CST			0	0	?	-	Thunderstorm wind					
Naylor experienced wind damage to signs, fences and roofs. One tractor-trailer rig was blown over. Several trees were uprooted.														
Jefferson County	11	2338 CST			0	0	4	-	Thunderstorm wind					
As a thunderstorm moved through Pine Bluff, it damaged cars, roofs, storage buildings, a mobile home, fences, and vehicles, and knocked down many trees. Damage was estimated at \$16,500. Power lines were reported down in Dollarway, White Hall, and Sulphur Springs.														
Desha County	12	0015 CST			0	0	?	-	Thunderstorm wind					
Many limbs were knocked down in Dumas, causing power outages. The scoreboard at Dumas High School was wrecked and other signs were blown down. Also, a tree was knocked down in Grady.														
Arkansas County	12	0037 CST			0	0	?	-	Thunderstorm wind					
One house trailer was demolished and another was unroofed in Stuttgart. Trees and power lines were also knocked down.														
Saint Francis County	12	0050 CST			0	0	?	-	Thunderstorm wind					
Strong thunderstorms destroyed trailers at Palestine and did heavy damage to a business on Highway 70, west of Forrest City. Several houses were also damaged at Forrest City. The Evans Elementary School in Forrest City received roof damage.														
Crittenden County	12	0130 CST			0	0	4	-	Thunderstorm wind					
At Proctor a small, two-story, building was destroyed along with 4 silos and 2 large gasoline tanks. Also, eight apartments in West Memphis received roof damage.														
Phillips County	12	0130 CST			0	0	?	-	Thunderstorm wind					
Gusts damaged roofs, signs, creeks, and power lines across parts of the county. A tree fell across a car in West Helena. A mobile home received extensive roof damage on Highway 242 north of Helena.														
Garland County	13	2128 CST			0	0	?	-	Hail (1.75")					
Large hail, about golfball size, produced unspecified damage to vehicles near Hot Springs Village.														
Lonoke County	13	2143 CST			0	0	-	-	Hail (1.75")					
Golfball-size hail fell at England, producing unspecified damage to cars.														
Lonoke County	13	2200 CST			0	0	-	-	Hail (1.75")					
Up to golfball-size hail was reported east of England.														
Lonoke County	13	2225 CST			0	0	-	-	Funnel cloud					
The Sheriff's Office reported a funnel cloud between the city of Lonoke and Carlisle.														
Lonoke County	13	2229 CST			0	0	-	-	Hail (1.75")					
Golfball-size hail was reported at Carlisle.														
Calhoun County	13	2230 CST			0	0	?	-	Hail (0.75")					
Three-quarter-inch diameter hail was reported near Hampton.														
Prairie County	13	2323 CST			0	0	?	-	Hail (1.75")					
Golfball-size hail broke the windshield on a Sheriff's patrol car at Slovak.														
— ARKANSAS														
Desha County	18	1430 CST			0	0	4	-	Thunderstorm wind					
High winds unroofed a home, turned over a farm power unit, and turned upside-down 3 cotton trailers in Dumas.														
Arkansas County	18	1500 CST			0	0	4	-	Thunderstorm wind					
Extensive roof damage was done to the Gillett Public School Complex. Lighting poles, bleachers, and the press box were damaged at the stadium. Several trees were blown down around Gillett.														
Newton County	18	2030 CST			0	0	4	-	Lightning					
Lightning struck a garage at a residence near Deer. The charge travelled to the house and caught the curtains on fire. Also, a fire started in the garage, burning the structure and a tractor parked inside.														
4 CALIFORNIA, Northern														
Anderson, Shasta County	08	Morning			0	0	6	5	Flash Flood					
Heavy rain and a broken irrigation canal inundated portions of the town of Anderson and surrounding agricultural areas.														
Moss Beach, San Mateo County	10	1145PST	0.25	50	0	0	1	0	Waterspout/ Tornado (FO)					
A small waterspout moved ashore from the Pacific, flipped a car and did minor property damage at a seaside restaurant.														
Fresno, Fresno County and Delano, Kern County	10	1700PST			0	0	1	1	Flash Flood					
Heavy thunderstorms caused flash flooding in the urban areas of Fresno and pushed the White River over Highway 99 near Delano.														
4 CALIFORNIA, Southern														
San Gabriel Mountains and San Bernardino Mountains	15-16	Weekend			0	0	0	0	Heavy Snow					
A major storm rolled over the area, dropping up to three feet of snow.														
Anaheim, Orange County	16	0530PST	1.25	20-40	0	0	6	0	Tornado (Fl)					
A tornado with very heavy winds bore down on a four block area of Rose Street between Santa Ana and East Streets. It smashed metal doors of factories, shattered windows, and ripped out chunks of eight roofs. It also ripped a tree from its roots. Two large trucks at an industrial plant were flipped over on their sides.														
Pacific Coast Highway, Los Angeles County	16	Afternoon			0	0	?	0	Heavy Rain					
Falling rocks and a mudslide initiated by heavy rain forced the closure of Pacific Coast Highway between Topanga Boulevard and Los Flores Canyon Road. About two thousand Department of Water and Power customers in the Eagle Rock and West Los Angeles areas were without power for several hours.														
5 COLORADO														
Larimer County	4	2200-2330MST			0	0	0	0	High winds					
Winds gusted to 68 mph 5 1/2 miles west-northwest of Wellington at 2208 MST. A gust reached 64 mph in Fort Collins at 2311MST.														
Southwest Mountains	8				0	0	0	0	High winds					
A gust of 70 mph was noted in Telluride.														
Northeast Foothills	9	0000-0800MST			0	0	0	0	High winds					
Strong winds blew in and near the eastern foothills from Colorado Springs north to the Boulder area. The peak gust was 83 mph on the west side of Colorado Springs at 0327MST. 60 to 70 mph gusts were noted farther north at the Black Forest Gliderport, Golden Gate Canyon, and Boulder.														
Southwest	10-11				0	0	3	0	Snow					
14 inches of snow fell at Wolf Creek Pass in 24 hours, with 13 inches at nearby Platoro Reservoir. At lower elevations, 6 inches fell in Durango, causing minor power outages.														
Mountains	16-20				0	0	0	0	Snow					
Moderate to heavy snow fell in most mountain areas. 48 hour amounts during this period reached 20 inches at Telluride and Purgatory, and 17 inches at Wolf Creek Pass. 26 inches fell in three days at the Loveland Basin ski area.														
Clear Creek County	22	late evening			0	0	0	0	High winds					
80 mph winds were recorded at the summit of Mount Evans during a comet viewing expedition.														

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					KILLED	INJURED	PROPERTY	CROPS	
6 CONNECTICUT									
CT2002 Manchester, Essex County	27	0830EST			0	0	2	0	Lightning
					A bolt of lightning struck near a flagpole outside of a school and traveled into the building, damaging part of the electrical system.				
7 DELAWARE ————— NONE REPORTED									
8 FLORIDA									
Monroe Co.	10	0230EST			0	0	UNK	-	Thunderstorm wind
					A 50 ton gantry crane was moved off of its track by high wind.				
Hendry Co.	10	0940EST			0	0	2	-	Thunderstorm wind
					Eight empty boxcars were overturned by high wind, causing a section of railroad track to twist.				
Dade Co.	10	1300EST			0	0	0	0	Hail (.75)
Dade Co.	10	1430EST			0	1	0	0	Lightning
					Lightning struck an umbrella that a man was holding as he went to his car in a parking lot.				
Jackson Co.	13	1440CST			0	0	0	0	Hail (.0.75)
					Hail 0.75" in diameter was reported.				
Alachua Co.	13	1705EST			0	0	4	-	Thunderstorm wind
					High wind tore the roof off of a mobile home, broke a sign loose, and damaged a food stand.				
Taylor Co.	14	0400EST			0	0	-	-	Thunderstorm wind
Columbia Co.	14	0505EST			0	0	2	-	Thunderstorm wind
Alachua Co.	14	0617EST	2.0	10	0	0	6	-	Tornado (F2)
Marion Co.	14	0630EST	1.0	10	0	0	3	0	Tornado (F1)
Putnam Co.	14	0700EST			0	0	3	-	Thunderstorm wind
Lake Co.	14	0730EST	2.0	10	0	0	3	-	Tornado (F1)
St Johns Co.	14	0815EST	1.0	10	0	0	3	-	Tornado (F0)
St Johns Co.	14	0820EST			0	0	2	-	Thunderstorm wind
Flagler Co.	14	0822EST	0.5	10	0	0	UNK	-	Tornado (F0)
Volusia Co.	14	0835EST			0	0	2	-	Thunderstorm wind
Flagler Co.	14	0840EST	1.0	10	0	0	4	-	Tornado (F0)
Volusia Co.	14	0854EST	1.0	10	0	0	2	-	Tornado (F0)
Marion Co.	14	0930EST	2.0	10	0	0	3	-	Tornado (F1)
Sarasota Co.	14	1030EST			0	0	3	-	Thunderstorm wind
Volusia Co.	14	1045EST	1.0	10	0	0	4	-	Tornado (F1)
Hillsborough Co.	14	1100EST			0	1	-	-	Lightning
Broward Co.	14	1445EST	1.0	10	0	0	-	-	Tornado (F0)
					A squall line moved across most of north and central Florida and produced the following: 1. a wind of 85MPH in Taylor County, 2. a large tree and two signs were blown down in Columbia County, 3. a tornado in Gainesville gutted two stores and damaged 7 others, 4. a tornado in Orange Lake downed power poles and pine trees, 5. a large tree was blown over and it destroyed a mobile home roof in Putnam County, 6. a tornado in Astor Park damaged several mobile homes, 7. near US-1 and I-95 a fruit stand was destroyed and the debris damaged a mobile home, 8: high wind blew the roof off a large equipment shed in St. Johns County, 9. a tornado was reported at Flagler County Airport, 10. a gust of 63MPH was reported at Daytona Beach airport with some damage to hanger doors, 11. a tornado at Palm Coast damaged the roof of a shopping center and downed several power lines, and a pool enclosure was destroyed, 12. a tornado was sighted in an open field and one shed was destroyed, 13. a tornado in Belleview damaged a 3 car garage and a barn, 14. a pool enclosure was destroyed in Sarasota County, 15. a tornado in Deltona destroyed utility sheds and carports, uprooted trees, and damaged roofs in a nine block area, 16. a 27 year old man was injured in Hillsborough County while working on a roof when lightning hit the roof, 17. a tornado was sighted in the open near Davie.				
Pasco Co.	15	0800EST			0	0	2	-	Thunderstorm wind
					High wind damaged a carport and destroyed a shed.				
Broward Co.	15	1640EST			0	0	0	0	Hail (.75)
					Golfball sized hail was reported.				
FLORIDA									
Pinellas Co.	16	0815EST			0	0	0	-	Hail (.75)
Citrus Co.	16	0845EST			0	0	4	-	Thunderstorm wind
Hillsborough Co.	16	0850EST			1	0	3	5	Thunderstorm wind
					A 38 year old man was killed when a trailer blew over onto him. Hail damaged the strawberry and tomato crop. The roof of an office building was blown off.				
Santa Rosa Co.	19	1630CST			0	0	4	-	Thunderstorm wind
					Wind damaged a mobile home in Milton.				
Duval Co.	20	1145EST	2.0	10	0	1	4	-	Tornado (F0)
					A man was thrown from a crane and injured. Signs were knocked down and windows were broken, and traffic lights and utility poles were downed.				
Broward Co.	26	2210EST			0	0	3	-	Thunderstorm wind
Broward Co.	26	2210EST			0	0	-	-	Hail (.75)
					A shed was blown 200 yards by high wind. Golfball sized hail was reported.				
9 GEORGIA									
Meriwether County	13	0710EST			0	1	5	0	Thunderstorm wind
					A severe thunderstorm moved across northern Meriwether County, causing several small areas of damage. In St. Marks, a person was slightly injured when a tree fell in front of his car. One barn was destroyed and another, damaged. Several homes in St. Marks had roof damage from the wind. A church was damaged a few miles northeast of St. Marks. One mile south of Luthersville, a house was heavily damaged and many trees uprooted and snapped off due to a concentrated area of wind. Other homes had minor roof damage at scattered locations around Luthersville.				
Coweta County	13	0720EST			0	0	3	0	Thunderstorm wind
					Scattered roof damage and several downed trees were reported near Senoia in southeast Coweta County.				
Hall County	13	0730EST			0	0	3	0	Thunderstorm wind
					Several large advertising signs were bent over by thunderstorm winds in Gainesville.				
Fayette County	13	0735EST			0	0	4	0	Thunderstorm wind
					Thunderstorm winds caused a short path of damage in Inman, six miles south of Fayetteville. Four homes were damaged along with a church and a store. Several small outbuildings were also damaged or destroyed.				
Clayton County	13	0750EST			0	0	3	0	Thunderstorm wind
					Scattered trees were downed along with power lines in the Lovejoy area in southern Clayton County.				
Jackson County	13	0805EST			0	0	3	0	Thunderstorm wind
					Trees were downed on power lines near Commerce.				
Rockdale County	13	0810EST			0	0	3	0	Thunderstorm wind
					Several trees were uprooted in extreme southwest Rockdale County near the Henry County line. Roofs and signs were damaged at several locations in Conyers.				
Walton County	13	0840EST			0	0	2	0	Thunderstorm wind
					Several trees were downed in the western part of Walton County, blocking at least one road.				
Barrow County	13	0855EST			0	0	0	0	Thunderstorm wind
					Scattered trees were downed in southeast Barrow County due to thunderstorm winds.				
Jackson County	13	0910EST			0	0	3	0	Thunderstorm wind
					Minor roof damage and a few trees downed by thunderstorm winds were reported in southeast Jackson County.				
Muscogee County	13	1000EST			0	0	3	0	Thunderstorm wind
					Trees were downed in scattered locations in eastern Muscogee County.				
Talbot County	13	1015EST			0	0	3	0	Thunderstorm wind
					Trees were downed near Dox Spring by thunderstorm winds.				

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					KILLED	INJURED	PROPERTY	CROPS		
GEORGIA										
Bibb County	13	1145EST			0	2	0	0		Lightning
										Lightning struck a 50 foot pine tree in northern Bibb County. A group of students were having a picnic under the tree. A 36 year-old teacher and a 9 year-old student were injured.
Monroe County	13	1230EST			0	0	0	0		Hail
										Hail up to 3/4 inch in diameter was reported in southern Monroe County.
Dodge County	13	1425EST			0	0	0	0		Hail
										Hail up to one inch in diameter was reported in south Dodge County.
Appling County	13	1445EST	.25	100	0	4	5	0		Tornado (F1), Hail (0.75)
										A tornado touched down briefly 5 miles south of Baxley. Five mobile homes were destroyed and 11 others damaged. Four people were injured, but none seriously. Many trees were uprooted and power lines downed. Hail to 3/4 inch in size was reported with the storm.
Laurens County	13	1515EST			0	0	3	0		Thunderstorm wind
										Metal utility buildings were destroyed by thunderstorm winds in a trailer park west of Dublin.
Brantley County	13	1548EST			0	1	4	0		Thunderstorm wind
										Thunderstorm winds destroyed four mobile homes 13 miles southeast of Waycross in western Brantley County. There was one minor injury. Hail to golf ball size was reported with the storm.
Treutlen County	13	1550EST			0	0	0	0		Hail
										One inch diameter hail fell near Soperton.
Pierce County	13	1630EST			0	0	2	0		Thunderstorm wind
										Thunderstorm winds downed several trees 3 miles southeast of Blackshear.
Cobb County	19	0632EST	5.7	300	0	15	7	0		Tornado (F2)
										A tornado touched down in an industrial park just southwest of the intersection of Interstate 75 and Georgia Highway 5, northeast of Marietta. Fifteen large warehouse businesses were heavily damaged or destroyed on either side of I-75. At least 6 vehicles were damaged or destroyed on I-75, with 12 occupants injured. The tornado moved northeast into residential areas. Two houses were destroyed, more than 50 others were moderately to severely damaged, and around 100 others had minor damage. Three people were injured in one of the homes. A tall radio tower was torn in half by the tornado just as it entered the residential area.
10 IDAHO										
ID2009 Northern Idaho	7	1953PST			0	0	0	0		Flash Flood
										Heavy rains triggered a mudslide on Peterson Hill. A two-foot thick layer of mud and trees covered Highway 95, three miles south of Bonners Ferry for about 90 minutes.
ID2001-002-003-004-005-006-007-010 All but Northern Idaho	8	Most of day			0	0	0	0		Heavy Snow
										Snow amounts up to 10 inches were reported in the mountains of Southern Idaho.
ID2006 15 NE Boise, Boise County	10	Morning			0	0	4	0		Flash Flood
										An excess of debris and high waters from Grimes Creek removed a portion of the blacktop at milepost 33.1 on State Highway 21. The flood resulted from runoff from recent heavy snows.
ID2006 Boise County	15	1800-16 1500PST			0	0	0	0		Heavy Snow
										Nine inches of new snow fell at Bogus Basin ski area near Boise.
11 ILLINOIS										
NONE REPORTED										
12 INDIANA										
Hamilton County	10	1100 EST			0	4	3	0		Non-severe Wind
										Winds up to 40 mph blew a concrete wall down on 4 workers in Carmel.
Gibson County	10	1216 EST			0	0	2	?		Thunderstorm Wind
										Winds blew large limbs and trees down just south of Owensville.
Owen County	10	1405 EST			0	0	5	?		Thunderstorm Wind
Morgan County	10	1440 EST			0	0	5	?		Thunderstorm Wind
Marion County	10	1450 EST			0	0	5	?		Thunderstorm Wind
										A long path of intermittent downburst wind damage extended from around Coal City in Owen County to near Mooresville in Morgan County. Five homes were damaged in Coal City. Trees were uprooted and several homes were damaged near Vandalia. Farther along the path, five homes were damaged and a few barns destroyed in Lewisville at 1415 EST. In Mooresville several homes were damaged and trees uprooted at 1440 EST.
Parke County	10	1405 EST			0	0	4	?		Thunderstorm Wind
										Patchy wind damage occurred in western Parke County, 1/2 mile west of Rockville where trees were downed and at Rosedale where a trailer was overturned.
Morgan County	10	1420 EST			0	0	2	?		Thunderstorm Wind
										Strong winds blew trees down in Eminence.
Morgan, Johnson, Marion and Shelby Counties	10	1428-1515EST	25.2	440	0	22	6	?		Tornado (F3)
by county:										
Morgan	10	1428EST	5.8	440	0	9	6	?		(F3) max.
Johnson	10	1445EST	11.6	440	0	3	6	?		(F3) max.
Marion	10	1455EST	3.3	440	0	10	6	?		(F2) max.
Shelby	10	1505EST	4.5	440	0	0	6	?		(F2) max.
										A tornado touched down between S.R. 67 and the White River about 5 miles southwest of Martinsville, then skipped its way northeast approximately 40 miles to near Fountaintown. The intensity of the tornado varied from F0 to F3, and the path width ranged from under 1/4 mile to around 1/2 mile. About 100 homes were damaged, as well as numerous churches, schools, and businesses. The tornado reached its greatest intensity (F3) in northeastern Morgan County near Exchange. The storm maintained this intensity as it entered northwest Johnson County, then weakened as it neared Stones Crossing.
Morgan County	10	1440 EST			0	0	5	?		Thunderstorm Wind
										Twelve homes were damaged between Waverly and S. R. 37 in an isolated downburst of thunderstorm winds.
Marion County	10	1455 EST	2.5	220	0	0	5	0		Tornado (F1)
										A small tornado, possibly a "gustnado", touched down briefly about 2 miles east of the Indianapolis International Airport and damaged some buildings in an industrial park.
Marion County	10	1455 EST			0	0	6	0		Thunderstorm Wind
										A series of downbursts occurred from 2 miles west of the Indianapolis International Airport to downtown Indianapolis. Numerous mobile homes were damaged, and a windspeed of 80 mph was measured at a local TV station.
Marion County	10	1300 EST			0	0	5	0		Thunderstorm Wind
										Three roofs were taken off apartment complexes at Shadeland and Castleton Arms in northeastern Indianapolis.
Shelby and Hancock Counties	10	1510EST	17.8	300	1	1	6	?		Tornado (F3)
by county:										
Shelby	10	1510EST	10.0	300	0	0	6	?		(F2) max.
Hancock	10	1530EST	7.8	300	1	1	6	?		(F3) max.
Shelby County	10	1510EST	10.2	150	0	0	6	?		Tornado (F1)
										Twin tornadoes caused two separate damage tracks approximately 3/4 of a mile apart from each other. The twin tornadoes descended about 3 miles west of Boggs town in extreme west-central Shelby County and traveled northeast through the northwest side of Fairland and east side of Fountaintown. One tornado ascended south of Fountaintown while the other continued to near Charlottesville in east-central Hancock County. The tornado on the left side had a nearly continuous damage path while the twister on the right side skipped several times. The tornado on the left reached F3 intensity briefly 1 to 2 miles northeast of Fountaintown. The tornado on the right barely exceeded F1 intensity and dissipated approximately 1 mile south of Fountaintown. One fatality resulted from the tornado on the left side. M680

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1986

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
INDIANA									
Washington and Scott Counties	10	1510EST	12.0	300	0	25	6	?	Tornado (F2)
by county:									
Washington	10	1510EST	3.0	300	0	7	5	?	(F2) max.
Scott	10	1520EST	9.0	300	0	18	6	?	(F2) max.
<p>A tornado touched down 1 mile southwest of Little York in a wooded area, destroying 300 acres of trees. The tornado continued on a northeast path into the town of Austin. The tornado cut a 12-mile damage path. Power lines and trees were downed throughout the tornado's path. Fifteen mobile homes were demolished. Seventy-five houses and numerous barns and outbuildings were either heavily damaged or destroyed. Twenty-five injuries were attributed to flying debris. Hail, 1 inch in diameter, was reported to have fallen shortly before the tornado struck.</p>									
Hancock County	10	1510 EST	5.0	220	0	0	5	?	Tornado (F2)
<p>A tornado touched down about a mile north of Greenfield and moved northeast for 5 miles. Six semi's were overturned.</p>									
Hamilton County	10	1510 EST			0	0	4	?	Thunderstorm Wind
<p>A trailer was blown over 14 miles north of Indianapolis.</p>									
Henry County	10	1535 EST			0	0	5	?	Thunderstorm Wind
<p>A small path of downburst wind damage extended from 2 miles south of Kennar to near Westwood. Numerous trees were uprooted and six homes sustained damage.</p>									
Henry County	10	1540 EST	4.0	220	0	0	5	?	Tornado (F2)
<p>A tornado touched down between Dunreith and Spiceland in southern Henry County and moved northeast about 4 miles. From that point a path of intermittent downburst wind damage extended to around Blountsville. Numerous homes were damaged.</p>									
Wayne County	10	1550 EST			0	0	3	?	Thunderstorm Wind
<p>The Wayne County Civil Defense director reported a short path of damage—downed trees—from 1 mile southeast of Dalton to 1 1/2 miles northeast of Dalton.</p>									
Wayne County	10	1550 EST			0	0	3	?	Thunderstorm Wind
Randolph County	10	1600 EST			0	0	5	?	Thunderstorm Wind
<p>Downburst winds damaged two mobile homes and numerous barns and outbuildings along a path from Dalton in Wayne County to 1 mile west of Winchester in Randolph County.</p>									
Randolph County	10	1553 EST	7.6	440	0	0	7	?	Tornado (F3)
<p>A tornado touched down 1/2 mile southeast of Bloomingsport and moved northeast through Lynn. A school in Lynn was severely damaged, as well as many homes, when the tornado briefly reached F3 intensity. The tornado remained on the ground to about 1 mile southwest of Bartonis.</p>									
Randolph County	10	1600 EST			0	0	5	?	Thunderstorm Wind
<p>A short path of downburst wind damage also extended from 1 mile south of Lynn to 2 miles northeast of Lynn. Numerous trees were uprooted and several homes damaged.</p>									
Jay County	10	1628 EST			0	0	4	0	Thunderstorm Wind
<p>Strong thunderstorm winds blew the windows out of the west side of a house 8 miles east-southeast of Portland near the Ohio state line and south of S.R. 26. Other damage included a barn roof blown off and damage to a second barn.</p>									
13 IOWA									
Statewide	04-31	Day Evening			0	0	3	4	Floods
<p>Minor flooding affected Iowa in March due to snowmelt and a few heavier rains. Central Iowa was most affected by the flooding which was largely confined to agricultural land.</p>									
Cass County	18	1435 CST			0	0	0	3	Hail (1.75)
Green County	18	1545 CST			0	0	4	0	Lightning
Adair County	18	1603 CST	0.2	20	0	0	4	0	Tornado (F1)
Warren County	18	1620 CST			0	0	0	3	Hail (1.50)
Warren County	18	1643 CST			0	0	0	3	Hail (1.75)
<p>Some of the first thunderstorms of 1986 rumbled across Iowa. A tornado touched down 3 miles west of Canby, knocking down some sheds and destroying a barn. It then skipped 3 miles to Canby where it blew in a door and damaged a shed. It was only in contact with the ground for a total distance of 0.2 mile. Most of the hail in this storm was very wet and splattered as it fell. Lightning at Jefferson damaged cable television in that town.</p>									
IOWA									
IAZ007 Blackhawk County	29	Afternoon			0	0	4	0	High Winds
<p>An afternoon windstorm downed some trees and toppled a mobile home at Waterloo.</p>									
14 KANSAS									
Shawnee Co., Topeka	09	2325CST			0	0	3	0	TSTM Wind (52kt)
<p>A 59 mph wind gust was measured at the Topeka Weather Service Office. The wind preceded a thunderstorm and damaged a carport and garage on the south side of Topeka.</p>									
Smith Co., Smith Center	31	1605CST			0	0	4	0	TSTM Wind (52kt)
Osborne Co., Just W of Osborne	31	1723CST			0	0	2	0	TSTM Wind (52kt)
Russell Co., Russell Airport	31	1727CST			0	0	4	0	TSTM Wind (65kt)
Lucas	31	1755CST			0	0	3	0	TSTM Wind (52kt)
55 Russell	31	1800CST			0	0	3	0	TSTM Wind (Dmg)
Bunker Hill	31	1820CST			0	0	4	0	TSTM Wind (Dmg)
Lincoln Co., Sylvan Grove	31	1755CST			0	0	3	0	TSTM Wind (70kt)
Sylvan Grove	31	1825CST			0	0	3	0	TSTM Wind (65kt)
Cloud Co., Concordia Airport	31	1802CST			0	0	2	0	TSTM Wind (56kt)
105 Concordia	31	1820CST			0	0	2	0	TSTM Wind (52kt)
Republic Co., SW Belleville	31	1815CST			0	0	2	0	TSTM Wind (52kt)
Ellsworth Co., Wilson	31	1836CST			0	0	2	0	TSTM Wind (52kt)
Clay Co., SW Clay Center	31	1845CST			0	0	2	0	TSTM Wind (52kt)
Ottawa Co., 4E Minneapolis	31	1905CST			0	0	2	0	TSTM Wind (52kt)
Saline Co., Salina Airport	31	1929CST			0	0	2	0	TSTM Wind (50kt)
Dickinson Co., Solomon	31	1949CST			0	0	2	0	TSTM Wind (52kt)
Enterprise	31	2000CST			0	0	2	0	TSTM Wind (52kt)
Rice Co., SN & 1W Lyons	31	1950CST			0	0	2	0	TSTM Wind (52kt)
McPherson Co., 2W McPherson	31	2000CST			0	0	2	0	TSTM Wind (52kt)
<p>Severe thunderstorms formed along a cold front from Smith Center to west of Russell at about 1600CST. The storms moved southeast to a line from McPherson to Milford Lake by 2000CST. Winds, 60 miles an hour and greater, accompanied the storms and caused widespread but generally minor damage to trees, power lines and buildings.</p>									
Edwards Co., 3W Kinsley	31	1821CST			0	0	4	3	Hail (1.75), TSTM Wind (52kt)
Kiowa Co., Greensburg	31	1825CST			0	0	2	0	TSTM Wind (52kt)
11N Mullinville	31	1840CST			0	0	4	4	Hail (2.75)
25 Haviland	31	1935CST			0	0	4	4	Hail (2.75)
5W Haviland	31	1940CST			0	0	4	4	Hail (2.75)
2E Haviland	31	1948CST			0	0	2	0	TSTM Wind (52kt)
Pratt Co., Cullison	31	1950CST			0	0	2	2	Hail (1.00), TSTM Wind (52kt)
Comanche Co., Wilmore	31	2000CST			0	0	3	3	Hail (1.75)
Barber Co., Sun City	31	2010CST			0	0	2	2	Hail (1.00), TSTM Wind (52kt)
Aetna	31	2025CST			0	0	3	3	Hail (1.75), TSTM Wind (52kt)
<p>Severe thunderstorms developed along a cold front over western parts of Edwards and Kiowa Counties shortly after 1800CST, and moved southeast to Barber County by 2030 CST. Hail the size of baseballs fell upon parts of Kiowa County; golfball size hail and 60 mph winds were common throughout a 30 mile wide strip from Kinsley to southwest of Medicine Lodge.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1986

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
KENTUCKY											
Scott County	10	1655EST			0	1	4	0			Severe Thunderstorms
<p>Storm damage was widespread through the city and surrounding area of Georgetown. The Scott County Middle School sustained severe roof damage. Several buildings suffered structural damage. Power outages were numerous throughout the area. Many trees were down. Several barns were damaged. Ten downtown Georgetown businesses sustained major damage. 1 person was injured in Georgetown.</p>											
Nelson County	10	1700EST	short narrow		0	0	4	0			Tornado (F1)
<p>A tornado touched down near Botland on Mantion Road at the Carol Ballard Farm. Ten outbuildings of 12 suffered severe damage. One large machine building was destroyed. Sheets of metal roofing, 3 x 8 feet, were twisted and tangled then blown into tree tops. Many large cedar trees had the top twisted out of them. Awnings were torn off of the farm house. Power lines were down. The tornado was spotted by an eye witness as it touched down and destroyed the barn.</p>											
Anderson County	10	1715EST			0	0	0	0			Funnel Cloud
<p>A funnel cloud was sighted at the intersections of U.S. 127 and Blue Grass Parkway moving northeast.</p>											
Nelson County	10	1715EST			0	0	0	0			Funnel Cloud
<p>A funnel cloud was reported by the local fire department as over Chaplin and traveling east on Highway 62.</p>											
Seventeenth Pendleton through Bracken County into Northwest Mason County	10	1720-1805 EST			0	4	6	0			Severe Thunderstorm
<p>Severe thunderstorms with winds to 70 miles per hour and 3/4 inch hail moved southwest to northeast, entering Pendleton County on Snake Lick Road about 3.5 miles west of US Highway 27 (34 miles southeast of Covington). It crossed Rankins Mill Road 3 miles west of US 27, then moved along Blanket Creek Road to US 27 about 5 miles south of Falmouth. The storm then followed McKennysburg Road, crossing the Licking River near Colvin Bend Road, then went into southwest Bracken County at Brownings Corner at KY 1053.</p> <p>The damage path in Pendleton County to the southwest corner of Bracken County was 6 miles long and some 2 to 3 hundred yards wide. Twenty-four houses, 36 barns, 12 outbuildings and five vehicles were destroyed. Utility equipment was severely damaged. Many trees were uprooted.</p> <p>A family of three was injured when their mobile home was ripped from its foundation south of Falmouth. Another woman was treated for lacerations and a compound fracture of the hand. All four injuries were in Pendleton County.</p> <p>The storm skipped across Bracken County damaging 35 farm buildings. Most of the damage was to roofs, with the heaviest damage reported in the Neave-Milford area. The storm damage then picked up in northwest Mason County about 3 miles south of Dover, on State Route 1235, with damage to farm buildings, barns, and homes. Hail damage was extensive over northwest Mason County. Severe thunderstorm winds also damaged four barns and 4 houses, and left trees and power lines down. The storm then crossed the Ohio River at Ripley, Ohio.</p> <p>Assessed damage per county included: Pendleton County - 1.2 million; Bracken County - \$900,000.; Mason County - \$600,000.</p>											
Woodford County	10	1745EST			0	0	3	0			Severe Thunderstorm
<p>A barn was destroyed by severe thunderstorm winds near Midway. Trees and powerlines were down in the vicinity.</p>											
Fayette County	10	1750-1805 EST	3.5	100	0	20	7	0			Tornado (F2)
<p>A tornado skipped across southeast Lexington, leaving a 3/4 mile long path from Tates Creek Road to Man-O-War Blvd. 845 homes were damaged, 200 substantially; 55 were demolished. Five businesses were severely damaged. Many cars, trucks, and boats were demolished. Many telephone and light poles snapped. There was considerable power and gas line damage. 150 families were furnished shelter. 20 people were injured, requiring hospitalization - a 47 year old man was critically injured when a brick wall collapsed on him.</p>											
KENTUCKY											
Christian County	12	0015CST			0	0	3	0			Hail
<p>Hail, 3/4 to one inch in diameter, fell at Hopkinsville, destroying a cooperative weather observing station.</p>											
Calloway County	12	0032CST			0	0	4	0			Hail
<p>Golfball size hail, 1 3/4 inch in diameter, fell at Murray.</p>											
Crittenden County	12	0100CST			0	0	3	0			Strong Thunderstorm Winds
<p>Trees were reported down near Marion.</p>											
Todd County	12	0307-0310 CST			0	0	4	0			Hail
<p>Cars were damaged when golfball size hail, 1 3/4 inches in diameter, fell near Elkton. Trenton also reported severe hail damage. A roof was blown off a house, and windows were broken out by hail and severe thunderstorm winds at Guthrie.</p>											
Christian County	12	0314CST			0	3	4	0			Severe Thunderstorm Winds
<p>Eleven mobile homes were damaged. One of the trailers overturned injuring three people, a 39 year old woman and two 19 year old boys. This trailer was located 1 1/2 miles north of Crofton on U.S. Highway 41 North. Five houses near Fort Campbell sustained major damage while scores of barns and farm buildings were destroyed. Power outages were extensive throughout the county. Telephone service was out to thousands of homes. Four major county schools sustained extensive damage. Downed trees and power lines blocked roads, hampering travel.</p>											
Muhlenberg County	12	0318CST			0	0	3	0			Hail
<p>One inch hail was reported south of Millport.</p>											
Ohio County	12	0320CST			0	0	3	0			Strong Thunderstorm Winds
<p>Numerous trees and some power lines were blown down near Hartford.</p>											
Edmonson County	12	0405CST			0	0	3	0			Strong Thunderstorm Winds
<p>Large trees and power lines fell on the south side of Nolin Lake near State Road 728.</p>											
Hart County	12	0410-0415 CST			0	0	4	0			Severe Thunderstorm Winds
<p>One house and a barn were destroyed in Cub Run. Forty-five homes and ten barns were damaged throughout the towns of Lynwood, Hardville, and Bonnieville. Four barns were completely destroyed.</p>											
Grayson County	12	0415CST			0	0	5	0			Severe Thunderstorm Winds
<p>Three houses were destroyed and two apartment complexes were damaged causing the relocation of 8 families; a 20 foot piece of roofing was torn from a shopping mall; a baseball field sustained \$15,000 worth of damage to buildings and lighting equipment; trees and power lines fell; all in and near Leitchfield. Total damage estimates ranged around \$500,000.</p>											
Warren County	12	0428CST			0	4	4	0			Severe Thunderstorm Winds
<p>Four people were injured, one seriously, when severe thunderstorms destroyed five houses and damaged 57 others near Sand Hill, located 8 miles north of Bowling Green.</p>											
Hardin County	12	0540EST	short narrow		0	0	5	0			Tornado (F1)
<p>A tornado touched down very briefly near Eastview, located 38 miles southwest of Louisville in Hardin County. One barn off of Kentucky 84 was picked up and slammed down into the middle of the road. Another barn was destroyed. Its flying debris killed a calf and damaged a parked truck. Roads were blocked by uprooted and downed trees, pieces of metal outbuildings, and portions of rooftops. Signs were down; power lines fell; and car windows were shattered by hail.</p>											
Hardin County	12	0540EST			0	0	3	0			Hail
<p>Homes and businesses sustained wind and hail damage in and near Elizabethtown. Golfball size hail, 1 3/4 inches in diameter, fell throughout the county, shattering many windows. Power outages were numerous 20 miles west of Elizabethtown.</p>											

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					KILLED	INJURED	PROPERTY	CROPS	
— KENTUCKY									
Bullitt County	12	0600EST			0	0	3	0	Hail
									Hail, one inch in diameter, fell at Clermont.
Larue County	12	0600EST			0	0	4	0	Severe Thunderstorm Winds and Hail
									Windows of the Hodgenville City Police Station and Senior Citizen's building were blown out. Several awnings were blown off of downtown Hodgenville businesses. Several homes sustained damage from falling trees and roofs that blew off. Three barns were destroyed. Wind and hail damage was scattered throughout Larue County from Hodgenville to Magnolia.
Nelson County	12	0610EST	0.5	150	0	2	4	0	Tornado (F1)
									A tornado briefly touched down 3 miles north of Bardston, cutting a 1/2 mile path down Hunters Lane. The tornado ripped the roof off of one house and damaged 20 others. It blew apart garages, destroyed four barns, and uprooted scores of trees. A mother and her 3 year old daughter were injured as the roof was torn from their home, bringing a pile of bricks and rubble down upon them. Several whiskey warehouses at a nearby distillery were damaged. Power lines fell.
Franklin County	12	0620EST			0	0	4	0	Severe Thunderstorm
									Severe thunderstorms swept through southwest Franklin County downing trees, damaging buildings, and causing power outages. The Coolbrook and Farmdale subdivisions of Frankfort were hardest hit. Metal buildings and awnings were damaged and many blown away.
Spencer County	12	0625EST			0	0	3	0	Severe Thunderstorm
									A vacant house trailer was destroyed by severe thunderstorm winds in Mt. Eden. The trailer was moved into the middle of the road and then ripped to pieces.
Shelby County	12	0630EST			0	0	3	0	Hail
									Hail, 3/4" in diameter, was reported.
Anderson County	12	0650EST			0	0	4	0	Severe Thunderstorm
									A total of 12 barns and 1 home were destroyed throughout the communities of Avenstoke, Grafenburg, and Birdie. Large trees were uprooted, blocking several roads. Powerlines sustained major damage.
Harrison County	12	0700EST			0	0	3	0	Strong Thunderstorm
									Strong thunderstorm winds blew out skylights in a building at Cynthiana. Hail, 1/2 inch in diameter, also fell during the strong thunderstorm winds.
Fayette County	12	0700EST			0	1	4	0	Severe Thunderstorm
									Several businesses, barns at horse farms, and houses on the northeast side of Lexington were damaged by severe thunderstorm winds. Roads were blocked by fallen trees and power lines, including the Leestown road. The roof of the Lexington St. Paul's Catholic Church was heavily damaged and the totalizer board at Lexington's Keeneland Race Course was wrecked. There was one injury when a tree fell on a moving automobile, injuring the man inside the vehicle.
Bourbon County	12	0705EST			0	0	4	0	Severe Thunderstorm
									Five houses and 13 barns were destroyed by severe thunderstorms that moved across Bourbon County. Two businesses and 10 barns were damaged, including the yearling barn at the Bedford Farm at Elizabeth Station. Many trees were uprooted, and tree limbs scattered along with other fallen debris blocked highways. Extensive glass damage was reported in Millersburg.
Anderson County	12	0710EST			0	0	3	0	Strong Thunderstorm
									Wind damage reported at Alton Station in northern Anderson County included much tree damage. Barn, residential roof and television tower damage was widespread.
West-Central Woodford County	12	0710EST			0	0	4	0	Severe Thunderstorm
									Considerable damage to trees, barn and residential roofs, and television antennae occurred.
— KENTUCKY									
Bourbon County	12	0715EST			0	0	0	0	Funnel Cloud
									A local radio staff sighted a funnel cloud 10 miles west of Paris moving northeast.
Nicholas County	12	0715EST			0	3	4	0	Tornado (F1)
									A tornado briefly touched down 8 miles north of Carlisle on a hilltop off Ball Hill Road. A mobile home was picked up from its foundation, carried 30 feet in the air, and then slammed down upside-down. A 22 year mother and her two children were trapped under the home when it flipped over. The mother was seriously injured. Her two young children were boys, ages 3 years and 11 months old, and were also injured.
Nicholas County	12	0715-0745 EST			0	8	5	0	Severe Thunderstorm
									Severe thunderstorms did substantial damage to the town of Carlisle. 8 people were injured in mobile homes. Structural damage was widespread. Eight homes were destroyed, 102 were damaged. The Nicholas County High School and Elementary Schools were damaged, as were the National Guard Armory and Courthouse. Two factories were damaged. Twenty streets and roads were blocked with downed trees and power lines.
Mason County	12	0730EST			0	0	4	0	Severe Thunderstorm
									Two barns were destroyed, several trees were down, and one mobile home was damaged at Mays Lick.
Fleming County	12	0735EST			0	0	0	0	Tornado (F0)
									Tornado touched down briefly in a field near Ewing.
Fleming County	12	0752EST			0	0	4	0	Severe Thunderstorm
									Severe thunderstorms did extensive roof damage to residences and barns throughout the communities of Cowan, Ewing, and Flemingsburg. An area 2 miles west of Flemingsburg sustained the heaviest damage. There, 3 mobile homes were destroyed and two large businesses sustained heavy damage. One business was a farm implement equipment building and the other a large lumber company where sheds and contents were destroyed. Trees and power lines were downed.
Bracken County	12	0755EST			0	0	4	0	Severe Thunderstorm
									Severe thunderstorms damaged 35 farm buildings throughout the county. Most of the damage was to the roofs of structures.
Lewis County	12	0801EST			0	0	2	0	Strong Thunderstorm
									Trees were reported down in Tollesboro.
Scott County	12	0810EST			0	0	4	0	Strong Thunderstorm
									Trees and power lines were reported down near Georgetown. The roofs were taken off of several barns.
Boyle County	12	0824 EST			0	0	0	0	Funnel Cloud
									A funnel cloud was sighted by the Kentucky State Police on US 127 southwest of Danville.
LaRue County	12	1900EST			0	0	3	0	Hail
									Hail, 3/4 inch in diameter, fell at Hodgenville.
Anderson County	12	2015EST			0	0	3	0	Severe Thunderstorm Winds
									55 mile per hour winds were reported in Lawrenceburg.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1986

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	
16 LOUISIANA											
Caddo Parish	12	0005CST			0	0	?	?			SVR TSTM, Wind
Bossier Parish	12	0010CST			0	0	3	?			SVR TSTM, Wind, Hail (1.0)
Bienville Parish	12	0020CST			0	0	?	?			SVR TSTM, Wind, Hail (1.0)
Webster Parish	12	0025CST			0	0	?	?			SVR TSTM - Wind, Hail (1.0)
Claiborne Parish	12	0050CST			0	2	5	?			SVR TSTM - Wind
Sabine Parish	12	0050CST			0	1	5	?			SVR TSTM - Wind
Vernon Parish	12	0050CST			0	0	5	?			SVR TSTM - Wind
Lincoln Parish	12	0120CST			0	0	?	?			SVR TSTM - Wind
Natchitoches Parish	12	0125CST			0	4	5	?			SVR TSTM - Wind
Union Parish	12	0125CST			0	0	?	?			SVR TSTM - Wind
Winn Parish	12	0135CST			0	0	?	?			SVR TSTM - Wind
Caldwell Parish	12	0152CST			0	0	?	?			SVR TSTM - Wind, Hail (1.0)
Lasalle Parish	12	0215CST			0	0	4	?			SVR TSTM - Wind
Grant Parish	12	0220CST			0	0	?	?			SVR TSTM - Wind
Franklin Parish	12	0240CST			0	0	?	?			SVR TSTM - Wind, Hail (1.0)
<p>Two lines of severe thunderstorms moved rapidly across northern and central Louisiana between 0005CST and 0240CST. They produced widespread straight-line wind damage and a few reports of large hail. A parish by parish summary follows:</p> <p>Strong winds blew down numerous trees and power lines east of Blanchard (Caddo Parish), around 0005CST. A roof was torn off a home five miles south of Bossier City, about 0010CST; another roof was damaged by a fallen oak tree in Bossier City; and 1 inch hail fell east of Bossier City (Bossier Parish) at 0015CST. Numerous trees were blown down and one inch hail fell north of Bryce Land (Bienville Parish), around 0020CST. About 5 minutes later, one inch hail was observed west of Dubberly (Webster Parish). Two mobile homes were overturned and heavily damaged along the south shore of Lake Claiborne which is about 10 miles southeast of Homer (Claiborne Parish), around 0050CST. Fortunately, there were only two minor injuries. In addition, three mobile homes were blown off their foundations and two others received some damage. High winds damaged the roof and siding of a Lake Claiborne home and uprooted numerous trees. 80 to 90 MPH winds uprooted numerous large trees in Negreet, Florien and Fisher (Sabine Parish), about 0050CST. Damage was heaviest in Fisher where a large fallen oak tree destroyed the post office and library; strong winds blew down the commissary, overturned a mobile home and heavily damaged two homes. Estimated losses were near \$150,000. The nearby Boise Cascade mill received between \$200,000 to \$250,000 damage when strong winds blew off the shipping department's roof and smashed a small building. About the same time numerous trees were blown down, several homes lost their roofs and one home was heavily damaged by a fallen oak tree in Hornbeck (Vernon Parish). In Lincoln Parish, a large flag pole was blown down in Ruston at 0120CST; in addition, some trees were blown down northwest of Ruston. Four people were injured when two mobile homes were overturned near Natchitoches (Natchitoches Parish) at 0125CST. In addition, numerous trees were blown down and several roofs were torn off homes in the northern part of Natchitoches Parish. Several chicken barns and numerous trees were blown down eight miles north of Farmerville (Union Parish), around 0125 CST. Plate glass windows were blown out of the police station and a car dealer's show room in Winnfield (Winn Parish), about 0135CST. Trees were snapped north of Clarks (Caldwell Parish), about 0152CST. An unoccupied trailer was blown over near Jena (Lasalle Parish) at around 0215CST. Numerous trees and power lines were blown down in east Grant Parish at about 0220CST. One inch hail fell and a few trees were blown down at Jigger (Franklin Parish) at around 0240 CST.</p>											
Washington Parish	12	1230CST			0	0	?	?			SVR TSTM - Wind
<p>A severe thunderstorm blew out windows, snapped several trees and damaged 30 parked cars with flying debris in Franklinton.</p>											
Caddo Parish	15	1902CST			0	0	?	?			SVR TSTM - Hail (1.75)
Bossier Parish	15	1919CST			0	0	?	?			SVR TSTM - Hail (1.75)
Bossier Parish	15	1930CST			0	0	?	?			SVR TSTM - Hail (1.0)
Bossier Parish	15	1941CST			0	0	?	?			SVR TSTM - Hail (1.0)
Webster Parish	15	2020CST			0	0	?	?			SVR TSTM - Hail (1.75)
Claiborne Parish	15	2050CST			0	0	?	?			SVR TSTM - Hail (1.0)
<p>A fast moving area of severe thunderstorms moved across extreme northwest Louisiana between 1902CST and 2050CST and produced numerous reports of large hail. Golfball sized hail fell at Yivian (Caddo Parish) at 1902CST. Between 1.0 and 1.75 inch hail occurred at Benton at 1919CST, Plain Dealing at 1930CST, and at Bossier City (Bossier Parish), around 1941CST. Golfball sized hail was observed at Dixie Inn (Webster Parish), about 2020CST. One inch hail covered the ground at Homer (Claiborne Parish) at 2050 CST.</p>											
Livingston Parish	16	1535CST			0	0	4	?			Dust Devil
<p>A small dust devil formed under a clear sky about 4 miles west of Springfield. It caused between \$6,000 and \$8,000 damage to a trailer that was being used as a chapel.</p>											
— LOUISIANA											
West Carroll Parish	18	1401CST			0	0	?	?			SVR TSTM - Wind
East Carroll Parish	18	1414CST			0	0	?	?			SVR TSTM - Wind
<p>Severe thunderstorms blew down trees and power lines east of Oak Grove (West Carroll Parish) and northwest of Lake Providence (East Carroll Parish).</p>											
Jackson and Ouachita Parishes	18	1425CST	2.0	150	0	2	5	?			Tornado (F2)
<p>A tornado destroyed three homes and heavily damaged 22 homes and three mobile homes in Chatam (Jackson Parish), around 1425CST. It moved rapidly east-northeast along an intermittent path and ended 16 miles southwest of Monroe (Ouachita Parish). Estimated losses in Chatam were between \$200,000 and \$250,000.</p>											
Plaquemines Parish	19	0915CST	0.1	15	0	1	?	?			Waterspout/ Tornado (F0)
<p>A waterspout made landfall near Buras and did some minor damage to a trailer. There was one injury.</p>											
LAZ001-002-003-004-005-006	21-23	Night			0	0	0	0	6		Freeze
<p>Three consecutive nights of low temperatures in the middle 20s to lower 30s destroyed about 95 percent of the peach crop valued at \$5,000,000. This is the first time in 30 years that all varieties of peaches were damaged by a freeze.</p>											
17 MAINE											
Southeast; Hancock, Washington, South-eastern Penobscot, and extreme Eastern sections of Waldo and Knox Counties	6-	Morning EST			1	3	5	0			Heavy Snow
<p>A low pressure area over the central Great Lakes, Thursday morning, intensified as it moved through central Maine and into western Nova Scotia, Friday morning. From the Sebago Lake and Portland area southward, barely a trace of snow was reported. North and east of the area, snow accumulations of 4 to 10 inches were common. Brunswick had 4 inches, Lewiston and Auburn 6.5, Freeport 8, and Bangor and Augusta 9. However, this was the biggest snow-storm of the season for southeastern Maine, where 12 or more inches of snow were common. Many schools and businesses closed, Friday. There were many minor traffic accidents reported statewide, with a two-car crash in Ellsworth sending 3 people to the hospital with injuries. One death occurred when a 10 year old Blue Hill girl was killed when the sled she was riding carried her down and out of her driveway and into the path of an oncoming van. The most snow reported came from the National Moosehorn Wildlife Refuge, some 10 miles southwest of Calais, Washington County, with 22 inches. The ranger there said they received 18 inches of snow in a 5 hour period ending at 0900EST on Friday. Other snow amounts were 12 inches at Camden and Lincolnville Beach, 12 to 14 inches at Bucksport, 14 to 16 inches at Bar Harbor and other Mount Desert Island communities, 15 inches at Meddybemps, 16 inches at Mil-bridge and West Quoddy Head and 15 to 18 inches at Calais.</p>											
Northern Aroostook County	10	Noon EST			0	2	4	0			Heavy Snow
<p>Heavy snow fell across northern Aroostook County, with Caribou recording 7 inches of snow from the storm. Poor visibility and unplowed roads were responsible for a 4 vehicle accident on U.S. Route 1 in Frenchville, Monday afternoon. There was one minor injury in the accident and nearly \$3,000 vehicle damage. In Skowhegan, Somerset County, the snow slick on Madison Avenue caused a serious 2 vehicle collision and produced one injury and \$6,000 in damage to the vehicles.</p>											
Statewide	13-15	Early Morning			0	11	5	0			Mixed Precipitation
<p>The combination of high pressure moving east across southern Quebec Province and the Canadian Maritimes, and the setting up of a coastal front, produced an onshore flow, Thursday. A series of low pressure areas formed on the front and travelled through the Gulf of Maine to just south of Nova Scotia, turning the winds more to the north, Friday and Saturday. This caused light mixed precipitation to fall almost continually for 3 days across the state. Mixed snow, sleet, freezing rain, and rain coupled with cold road surfaces, caused an unusual amount of motor vehicle accidents statewide. Only 1 serious injury was reported from a car-van skidding collision on the approach to the causeway to Deer Isle, Hancock County. Ten minor injuries were reported statewide from other motor vehicle mishaps. A mail plane apparently landed in deep snow and spun at Houlton, Aroostook County, causing substantial damage to the plane, but only minor injury to the pilot.</p>											
Southern; York, Cumberland and Andros-coggin Counties	17	0500EST			1	0	4	0			Icing
<p>Roadways remained wet overnight from the mixed precipitation of the past several days. A brisk and cold northwest breeze developed just before sunrise and turned the roads into an ice arena for a few hours across southern Maine. There were many fender benders reported for that time of day. The most serious accident occurred on Route 4 in Sanford, York County, when a car skidded on ice, left the road and rolled over. The 55 year old male driver suffered head and chest injuries and later died from the injuries while hospitalized. No injuries were reported.</p>											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1986

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					KILLED	INJURED	PROPERTY	CROPS	
MAINE									
Ellsworth, Hancock County	19	Early Afternoon			0	0	3	0	Rain
<p>The combination of a driving rain, thawing ground, and an improper foundation, caused a 500-gallon propane tank to roll down an embankment on High Street in Ellsworth, Hancock County. A portion of the thawed embankment was washed away by the rain, causing the tank to topple down an embankment and begin leaking gas. Quick action by the Ellsworth Fire Department averted a potentially disastrous situation.</p>									
18 MARYLAND and D.C.									
MDZ008-009 Western Maryland	07	0600EST			0	0	4	0	Heavy Snow
<p>Snow developed overnight and accumulated to 6 to 10 inches early Friday morning. Gusty northwest winds caused some blowing and drifting of the fresh snow cover blanketing Garrett and Western Allegany Counties.</p>									
19 MASSACHUSETTS									
Wayland, Middlesex County	27	1100EST			0	0	4	0	Lightning
<p>Lightning struck a pine tree, raced down the tree's roots, and triggered a fire that gutted a split-level home. After hitting the tree, the bolt cut a six-inch wide path through the ground, ripped out a shrub, blasted several two-inch thick slate patio tiles, and raced into the house. The lightning surge shot through the entire electrical system and engulfed most of the house in flames.</p>									
MAZ001-007 Bedford and Billerica, Middlesex County	27	Morning			0	0	4	0	Lightning
<p>A bolt of lightning struck a barn in Bedford, starting a fire, and another lightning bolt struck a large tree next to a house in Billerica, resulting in property damage to the house. Large chunks of the tree were hurled against the house and through a window. Slight damage to other, nearby homes was reported.</p>									
20 MICHIGAN ————— NONE REPORTED									
21 MINNESOTA									
Hennepin County	31	1545CST			0	0	0	0	Hail (2.0)
<p>Golfball size hail was reported by the public in the City of Deephaven.</p>									
Carver County	31	1600CST			0	0	?	0	Thunderstorm Wind, Hail (0.75)
<p>High winds downed trees across Main Street in Chanhausen. Mchball size hail was also reported.</p>									
Anoka County	31	1600CST			0	0	?	0	Thunderstorm Wind
<p>Large glass windows were blown out of buildings in the City of Fridley.</p>									
Scott County	31	1618CST			0	0	0	0	Hail (0.75)
<p>Three-quarter inch hail was reported at Valley Fair Amusement Park in Shakopee.</p>									
Ramsey County	31	1635CST			0	0	0	0	Hail (1.00)
<p>One-inch hail was reported in St. Paul near the State Capitol Building.</p>									
Washington County	31	1705CST			0	0	0	0	Hail (0.75)
<p>Three-quarter inch hail was reported in Stillwater.</p>									
22 MISSISSIPPI									
Tunica County	12	0030CST			0	0	4	0	Thunderstorm Winds
<p>High winds uprooted trees, damaged roofs, broke out windows and knocked down power lines in the town of Tunica.</p>									
Desoto County	12	0130CST	1.0	30	0	0	5	4	Tornado (F1)
<p>A tornado struck about 10 miles west of Hernando, moved eastward and touched down periodically before lifting near Buena Vista. Two homes were destroyed and several others damaged. Some barns, fences, outbuildings and trees were blown down. Some boats near the Arkabutla Lake were damaged.</p>									
Bolivar County	12	0130CST	0.4	30	0	0	4	3	Tornado (F0)
<p>A small tornado touched down briefly and destroyed two farm buildings at Shelby. A cotton picker was also damaged.</p>									
Panola County	12	0130CST			0	0	5	0	Thunderstorm Winds
<p>High winds heavily damaged the roof of both the elementary school and the junior high school in the town of Como.</p>									
Marshall County	12	0215CST			0	0	4	0	Thunderstorm Winds
<p>A mobile home, which was being moved on Highway 78 just south of Holly Springs, was picked up by high winds and destroyed.</p>									
Tallahatchie County	12	0220CST	1.2	100	0	1	6	0	Tornado (F1)
<p>A tornado at the leading edge of a thunderstorm passed through a residential area in the town of Charleston. The tornado was mainly at treetop level, but some 75 homes received at least minor damage. The greatest damage occurred at the elementary school where a brick wall covering three classrooms was partially knocked down. The roof also sustained heavy damage, with total damage to the school estimated at \$400,000. Although no one was killed, a large tree was blown down on a mobile home and split it in half. The tree fell about 2 feet from where the resident was sleeping. The only injury occurred when glass was blown out of a residence window, injuring the resident looking out.</p>									
Tippah County	12	0315CST			0	0	3	0	Thunderstorm Winds
<p>A roof was blown off a residence in the town of Ripley.</p>									
Jefferson County	12	0755CST			0	0	?	0	Hail (1.75)
<p>Golf ball size hail occurred just north of Fayette.</p>									
Franklin County	12	0815CST			0	0	?	0	Hail (0.75)
<p>Dime size hail fell in Meadville.</p>									
Jefferson County	12	0840CST			0	0	?	0	Hail (0.75)
<p>Penny size hail fell in eastern Jefferson County at Union Church.</p>									
Copiah County	12	0910CST			0	0	?	0	Hail (1.25)
<p>Hail, the size of half dollars, fell in extreme northwest Copiah County on Highway 18 or about 8 miles southwest of Utica.</p>									
Hinds County	12	0915CST			0	0	?	0	Hail (0.75)
<p>Dime size hail fell in extreme southwest Hinds County, just south of Utica.</p>									
Lincoln County	12	0925CST			0	0	?	0	Hail (0.75)
<p>Penny size hail fell in Brookhaven.</p>									
Amite, Pike and Lincoln Counties	12	0925CST	6.0	250	0	0	5	0	Tornado (F2)
<p>A tornado touched down in northeastern Amite County and moved into the northwest Pike County at 0930CST. The tornado continued moving northeastward into Lincoln County at 0938CST and dissipated near the Montgomery community. In Amite County, 2 homes were heavily damaged and timber damage was extensive. In Pike County, 3 to 5 homes were heavily damaged and a dairy barn was destroyed. Eight holstein cattle worth \$8,000 were killed. Timber damage was estimated at \$53,000. In Lincoln County, one house experienced heavy damage and a small tin shed was destroyed. One cow was killed. Timber damage was also extensive.</p>									
Lincoln County	12	0945CST			0	0	3	0	Thunderstorm Winds
<p>Large trees were blown down south of Brookhaven.</p>									
Lincoln County	12	1010CST	1.0	100	0	0	4	0	Tornado (F1)
<p>A tornado touched down in the Fair River community or about 8 miles east of Brookhaven. One roof was damaged and numerous trees were blown down and twisted.</p>									
Pike County	12	1025CST			0	0	?	0	Hail (1.00)
<p>One inch size hail fell in Southeast Pike County near the town of Progress or about 12 miles Southeast of McComb.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
MISSISSIPPI											
Smith, Jasper and Newton Counties	12	1207CST	31	125	0	2	6	4			Tornado (F3)
	A powerful tornado developed in extreme southeast Smith County at about 5 miles east-northeast of Taylorsville. The tornado tracked northeastward into Jasper County, west of Stringer at 1210CST. The tornado traveled through the rest of the county, although it went and remained aloft for a few miles at 3 different locations. The tornado entered Newton County at 1230CST and dissipated at around 1245CST near Interstate-20 between the towns of Newton and Hickory. In Smith County, 2 homes were destroyed. In Jasper County, 5 homes and 6 mobile homes were destroyed, with another 35 homes and mobile homes damaged. Cost of damage to housing was estimated at \$400,000. In Newton County, 5 homes were destroyed, 1 mobile home was destroyed, and 6 other homes were damaged. Several service buildings were destroyed, bringing estimated property damage to \$265,000. The Agricultural Experiment Station southeast of Newton received heavy damage.										
Clarke and Lauderdale Counties	12	1250CST	11	120	0	0	5	0			Tornado (F2)
	A tornado touched down in extreme northwest Clark County north-west of Enterprise. The tornado moved northeastward into south-west Lauderdale County at 1255CST and dissipated at 1305CST, about 2 miles northwest of Meridian, before a larger and stronger tornado developed in the same area. Several houses were destroyed or damaged, and timber damage was extensive along the path of the tornado.										
Lauderdale and Kemper Counties	12	1306CST	22.0	440	0	8	6	0			Tornado (F4)
	A very large tornado developed just on the extreme northwest side of Meridian and moved northeast to Bailey. Between these two locations, the tornado was at times 1/2 mile wide. An aerial storm survey revealed pockets of devastating damage embedded inside the wide path of damage. The tornado tracked north-northeast through Daleville and into south-central Kemper County at 1320CST. The tornado gradually weakened in intensity and decreased in size before dissipating between Porterville and Dekalb. In Lauderdale County, 25 homes or mobile homes were either destroyed or heavily damaged. Another 32 homes received minor damage, bringing the total property damage to \$450,000. The survey revealed the number would have been much greater had the pockets of devastating damage occurred in a populated area instead of mostly forest areas. Timber damage was estimated at \$126,000. In Kemper County, the tornado traveled through all wooded areas, and only timber damage was observed.										
Lauderdale County	12	1310CST			0	0	0	0			Funnel Cloud
	A funnel cloud was observed 7 miles southeast of Meridian.										
Kemper County	12	1330CST									Hail (0.75)
	Three-quarter inch size hail fell in Blackwater or about 5 miles north of the Lauderdale County border on Highway 39.										
Kemper County	12	1330CST	1.0	70	0	0	4	0			Tornado (F1)
	A tornado touched down briefly in southeast Kemper County near Porterville. A roof was blown off a store and a chimney was blown off a house. One barn was destroyed and numerous trees were downed.										
Kemper County	12	1345CST			0	0	?	0			Hail (1.75), Funnel Cloud
	Golfball size hail fell 1 mile south of Scooba in northeast Kemper County. A funnel cloud was also observed (most probably the remains of the violent tornado which tracked through Lauderdale and Kemper Counties).										
Harrison County	12	1800CST			0	0	?	0			Thunderstorm Winds
	High winds blew down trees 2 miles north of downtown Gulfport.										
Lauderdale County	12	2012CST			0	0	?	0			Hail (1.00)
	Nickel size hail fell in downtown Meridian.										
Pike County	15	2252CST			0	0	?	0			Hail (.75)
	Dime size hail covered the ground to a depth of 2 inches at Pricedale or about 10 miles northeast of McComb.										
Walshall County	15	2310CST			0	0	?	0			Hail (1.00)
	Nickel size hail covered the ground at Salem or about 8 miles north of Tylertown.										
Yazoo, Humphreys and Holmes Counties	18	1410CST	9.0	100	0	0	5	0			Tornado (F2)
	A tornado touched down near Wolf Lake in northwest Yazoo County and then moved into Humphreys County at 1415CST. The tornado tracked northeastward and clipped the extreme northwest corner of Yazoo County at 1421CST near the town of Carter, and then moved back into Humphreys County at 1425CST. The tornado entered the southwest corner of Holmes County at 1435CST and dissipated west of Thornton at 1440CST. The tornado did not touch in some areas along the tornadoes path, but the tornado traveled through largely open fields. The heaviest damage was at Carter where a couple of trailers and outbuildings were destroyed and 7 homes received roof damage. The sheet metal was stripped off a gin. In southeast Humphreys County, 5 of Mississippi Power and Light's transmission metal poles were blown down.										
MISSISSIPPI											
Benton County	18	1510CST	1.3	100	0	0	5	?			Tornado (F1)
	A tornado touched down near Highways 4 and 5 in Ashland and traveled northward damaging buildings, homes and vehicles. About 30 homes received some damage, with mostly roofs being damaged and windows blown out. A school bus was destroyed and the Benton County Co-Op received heavy damage. Numerous trees were uprooted.										
Sharkey and Yazoo Counties	18	1515CST	3.5	40	0	0	4	0			Tornado (F1)
	A tornado touched down in the Delta National Forest in southeast Sharkey County and moved into Yazoo County at 1525CST before dissipating east of Holly Springs. Most of the damage was to timber, but a few buildings and a grocery store were damaged just east of Holly Springs.										
Holmes County	18	1630CST	0.6	30	0	0	4	0			Tornado (F0)
	A small tornado struck near the town of Bowling Green or about 10 miles northeast of Lexington. A roof was removed from a shed and 1 home and mobile home received minor damage. Several trees were damaged.										
Union County	18	1635CST	3.0	100	0	0	5	0			Tornado (F1)
	A tornado first touched down in southern Union County near New Harmony. The tornado moved northeastward and dissipated near Ellistown or about 8 miles east of New Albany. Outbuildings were destroyed, roofs damaged, windows broken and several trees broken and uprooted.										
Hinds County	18	1725CST	2.5	150	0	0	5	2			Tornado (F1)
	A tornado touched down in extreme southeast Hinds County just northwest of Terry. One house and 1 mobile home were destroyed; 5 houses received minor damage. Trees and barns in the area were also damaged.										
Yazoo County	18	1750CST			0	0	0	0			Funnel Cloud
	A funnel cloud was observed near Sartaria in southwest Yazoo County.										
Copiah County	18	1910CST	1.2	50	0	0	4	0			Tornado (F1)
	A tornado developed 3 miles east of Hazelhurst and moved north-eastward. Several roofs were damaged and numerous trees were downed. One store and a church also received minor damage.										
Noxubee County	18	2325CST	4.0	50	0	0	4	0			Tornado (F1)
	A tornado struck 3 miles north of Macon and knocked down power line poles and trees. The tornado tracked northeastward through a wooded area, but did minor damage to 4 houses and 2 barns about 4 miles east of Brooksville.										
MSZALL Statewide	22	Night			0	0	0	7			Late Season Cold
	Temperatures across all but the coastal sections fell below the freezing mark. Across the northern half, most lows were in the low and mid 20's. This hard freeze destroyed the peach crop valued at nearly \$10,000,000. About 90% of the blueberry crop was considered lost due to the cold. Many early season gardens were also lost to the cold.										
23 MISSOURI											
Statewide	10	AM			0	0	6	0			Strong Winds
	Very strong winds associated with an intense low pressure area and not directly associated with thunderstorms produced scattered damage over much of the state. The damage was mostly to trees and to outbuildings, with a few roofs also receiving damage. Some reports attributed the damage to tornadoes, but this could not be confirmed. A squall line moved across portions of the state, but the damage was not associated with this feature. Winds not associated with thunderstorms were frequently 40 to 50 mph and greater in many locations.										
24 MONTANA											
MT2008 Northeast	01-16				0	0	5	0			Flood
	Flooding that began late in February continued through the middle of the month on the lower reaches of the Milk River. Many county roads were under water for long periods of time and some homes were surrounded by water.										

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					KILLED	INJURED	PROPERTY	CROPS	
25 NEBRASKA									
NEZ004 Northeast Nebraska	12	Night			0	0	1	1	Heavy Snow
	Areas of heavy snow fell to the north and east of a line from Butte to Neligh to Ponca. Royal reported 7 inches.								
NEZ002 North-Central Nebraska	15	Night			0	0	1	1	Heavy Snow
	Spotty heavy snow fell in southeast Cherry County. Brownlee reported a snowfall of 7 inches.								
NEZ010 East Nebraska	18	Morning- -19 Afternoon			0	0	3	3	Flood
	Around 2 inch rains on saturated and partially frozen soil caused lowland flooding on Logan Creek, especially between Uehling and Winslow. At Uehling, the town park and lowlands flooded. Minor overflows also were reported on Pebble Creek at Scribner and Maple Creek at Nickerson.								
NEZ002 North-Central Nebraska	18	Morning			0	0	3	1	Ice Storm
	A period of freezing rain broke tree limbs and caused minor utility line damage west of Valentine.								
NEZ015-019 Southeast Nebraska	18	1600CST- 1800CST			0	0	3	0	High Wind
	North wind gusted 55 to 60 m.p.h., causing some broken tree limbs and utility line damage. A peak gust of 58 m.p.h. was measured at Lincoln at 1643CST.								
Franklin County	31	1700CST			0	0	3	1	Thunderstorm Wind
	Strong winds just northeast of Franklin destroyed an outbuilding and blew down trees.								
Richardson County	31	2000CST			0	0	4	1	Thunderstorm Wind
	Thunderstorm winds gusted to 70 m.p.h., causing roof damage and blowing out a few windows at Falls City. Some minor damage was also reported at Preston.								
26 NEVADA									
NVZ005 Washoe, Douglas, and Lyon Counties	08- 10	Morning			0	0	5	5	Flood
	After serious flooding in February, flooding of a lesser extent reoccurred in the Truckee, Carson, and Walker River basins. Minor damage occurred to businesses along the Truckee. In the Carson and Walker River regions, fairly extensive damage occurred to levees and to agricultural interests. Runoff from heavy rain and snow (over 5 inches of liquid content in many Sierra locations) added more water to rivers that had not completely receded from the heavy rains and snows of February.								
27 NEW HAMPSHIRE									
Seacoast Region; Northeast Rockingham & Eastern Stratford Counties	10- 11	Evening			0	2	5	0	Freezing Rain
	The combination of a warm front through southern New England and the associated light precipitation falling on the cold ground and surfaces, turned the seacoast area roads into a skating rink. Numerous fender benders were reported, with only two injuries requiring hospitalization. Many area schools either cancelled or delayed by two hours their opening on Tuesday the 11th due to the treacherous travel conditions. The freezing rain and salt accumulation caused a transformer fire that left 700 Portsmouth residents, including City Hall, without power for roughly an hour or two. Precipitation over the rest of the state was mostly snow with only light accumulations.								
Monadnock Region; Cheshire, Sullivan, and Western Halves of Hillsborough and Merrimack Counties	14- 15	Afternoon			0	0	6	0	Ice Storm
	A stationary front offshore ran from the New Jersey coast to south of Nova Scotia, Friday morning. A low pressure area formed on the front south of New England late Friday, moved across Cape Cod, Saturday morning, and was east of Nova Scotia, Saturday night. This system brought torrential rains to the northeast. However, with temperatures hovering around the freezing mark over the higher elevations of the Monadnock Region, it produced the fiercest ice storm in 30 years. A swath about 10 miles wide and 60 miles long stretched from the Massachusetts border to New London (Merrimack County) where authorities said the ice was over one inch thick with several reports of 2 1/2 to 3 inches of ice accretion. The "crescendo of falling trees and tree limbs", Friday night and Saturday, knocked out telephone and power lines and blocked roads. Dublin (Cheshire County) was the hardest hit area where the weight of the ice cracked 18 utility poles, pulled down a one-mile stretch of power lines, and snapped numerous trees that were one foot in diameter. A house fire in Dublin caused by a power surge saw firemen take 20 minutes to cut their way through the tree-blocked roads to reach the blaze. Once there, they not only fought the fire, but dodged falling trees, tree limbs and huge ice chunks. No one was injured, nor was any of the fire trucks damaged. In the Monadnock area, some 4,600 residents were without power and about 200 homes lost telephone service for up to 3 days. Outside this swath, ice problems were hardly noticeable. The rains produced minor flooding of roads in Winchester, Hinsdale, and Ashuelot (Cheshire County).								
28 NEW JERSEY, Northern — NONE REPORTED									
28 NEW JERSEY, Southern — NONE REPORTED									
29 NEW MEXICO — NONE REPORTED									
30 NEW YORK, Coastal — NONE REPORTED									
30 NEW YORK, Central									
Eastern New York	07	1200EST			3	39	6	3	Snowstorm
	A major winter storm swept across Eastern New York. The storm resulted in the closing of many schools and industry in Eastern New York. The storm also caused one death on Rt. 29A in Salisbury Mills due to exposure, while two females died in motor vehicle accidents near Plattsburgh.								
	Strong winds blew down power lines and blew in windows in the Mohawk Valley. Local police reported several auto accidents due to blowing snow and icy roads. Wind gusts of over 40 MPH were recorded at WFO ALB.								
									F61V, F38V, M55V
Essex County	14	1445EST			0	0	6	4	Flood
	Both the Ausable and Boquet Rivers caused considerable damage in Essex County. 40 homes and 2 businesses were flooded out.								
Albany, Schenectady, Montgomery, Rensselaer, and Saratoga Counties	14	1445EST			2	11	7	4	Flood
	Flooding occurred along the Mohawk River. Two deaths were attributed to the flooding, one male was sucked under the river in Schenectady when water levels rose quickly and a second male drowned when he broke through thin ice while trying to rescue his dog. Ice jams compounded local flooding conditions due to rapid rises and recessions around local ice jams. The floods were a result of temperatures in the 60s and heavy rain. Additional water was released because of a rapidly melting snowpack.								
									M440, M360
Saratoga, Warren, Albany, and Rensselaer Counties	14	1445EST			0	4	6	0	Flood
	Flooding occurred along the upper Hudson River. Flood problems were the result of heavy rains, warm temperatures and rapidly melting snow. Hardest hit areas were Whitehall and Waterford.								
NYZ006	14	1445EST			0	4	7	4	Flood
	Flooding occurred along the Susquehanna River. The floods were a result of heavy rain, melting snow and warm temperatures. Almost 200 homes had to be evacuated.								
Eastern New York	14	1445EST			1	9	7	0	Flood
	Many small streams caused flooding in Eastern New York. In addition to floods along major river systems, reservoirs in many communities were filled to capacity during this storm period. In New York City, the drought regulations were lifted as the drought was declared over.								
	In many communities, heavy earth moving equipment was called in to reduce flood damages and to clear mud slides. Heavy equipment was also used to assist with rescue efforts. Roadways and bridges took a beating in many parts of Eastern New York as well.								
	One young girl was also killed when she was thrown from her all-terrain vehicle and landed in a rain-swollen stream. She was unable to get out of the swift stream currents.								
									FLOOD

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1986

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	
NEW YORK, Central											
NYZ008-011 Adirondacks and Champlain Valley	26	1945 EST			0	0	5	0			Wind
<p>Non-convective high winds took down power lines and trees across parts of the Adirondacks and Champlain Valley. Damage was also done to several roofs in the area. The most severe damage occurred at North-Eastern Clinton Central School in Champlain, where a 29 foot section of roofing was torn off.</p>											
30 NEW YORK, Western											
NYZ001 Genesee and Wyoming Counties	07	Morning						4			Wind and Ice
<p>Strong winds and ice were blamed for a rash of automobile accidents. A few schools were forced to close. Many commuters were delayed.</p>											
NYZ004 Jefferson, Oswego and Lewis Counties	07	Afternoon						4			Wind
<p>Wind-whipped powdery snow created whiteout conditions which resulted in a seven-car pile-up on Route 11 between Adams and Adams Center, Jefferson County. Six persons sustained minor injuries. A few minutes after the first pile-up, another accident occurred. Two persons were injured. Whiteouts also occurred in Oswego and Lewis Counties.</p>											
NYZ001-002 Erie and Chautauqua Counties	11	Morning						4			Wind
<p>High winds stripped off scores of bricks off a building in the Buffalo area. Power lines snapped in communities along Lake Erie.</p>											
NYZ021-005 Niagara and Cayuga Counties	12	Morning						4			Wind
<p>An estimated 400 households in Sanborn, Niagara County were without electrical power for several hours when strong winds knocked out power lines.</p> <p>In Victor, Cayuga County, strong winds stirred up the snow and created poor visibilities. A car and a snow plow collided head-on. Both drivers suffered minor injuries. Both vehicles suffered heavy damages.</p>											
NYZ004 Lewis County	14	Evening						3			Fog
<p>Dense fog was blamed for a head-on collision which resulted in minor injuries to the drivers but heavy damages to both vehicles.</p>											
NYZ001 Erie County	19	1055 EST			1			4			Wind
<p>A male construction worker, unknown age, was killed in Amherst, Erie County when strong winds of up to 70 MPH blew down a cement wall on him.</p> <p>In Chaffee, Southern Erie County, shingles were torn off a barn.</p>											
NYZ002 Monroe County	19	Afternoon						4			Wind
<p>High winds severed power lines to 5000 homes. Windows of the Xerox building and the Rochester Institute of Technology were blown out. Xerox had to dismiss two thousand of its employees early. At the airport at Rochester, a parked, single engine aircraft was upended. Two other light aircraft tipped over, with one wing touching the ground. A countless number of trees were uprooted.</p>											
31 NORTH CAROLINA											
Stanly County	13	1400EST			0	0	4	0			Thunderstorm Wind (56)
<p>The roof was ripped off of one building and other roof damage was reported in Albermarle as a severe thunderstorm swept through.</p>											
Robeson County	13	1455EST			0	0	0	0			Hail (.75)
<p>Hail was reported at Marietta by the police department.</p>											
NORTH CAROLINA											
Wake County	13	1500EST			0	0	?	0			Thunderstorm Wind
<p>Trees were blown down and blocked streets for several hours after a rapidly-moving severe thunderstorm moved through Holly Springs.</p>											
Onslow County	14	0950EST	1/4	100	0	0	4	0			Waterspout-Tornado (F0)
Onslow County	14	1140EST	1 1/4	100	0	0	4	0			Tornado (F1)
Craven County	14	1230EST			0	0	?	0			Thunderstorm
Carteret County	14	1345EST			0	0	?	0			Thunderstorm Wind
<p>Severe thunderstorms, in some cases tornadic, plagued coastal North Carolina for several hours. A waterspout developed over the sound between Sneeds Ferry and West Onslow Beach, and moved across the north end of the beach. Workers sighted two funnels with the tornado, which caused \$18,000 in damage to buildings. This storm occurred at 0950EST. Later, at 1140EST, a small tornado hit near Hubert, also causing about \$18,000 in damage mostly to roofs, outbuildings, and signs. Most of the damage was from east to southeast winds in the cyclonic circulation pattern. At 1230EST, trees were blown down at New Bern, and at 1345EST, structural damage to sheds occurred atarkers Island.</p>											
Wake County	14	1655EST	1/4	50	0	0	4	0			Tornado (F1)
<p>A small tornado, with winds about 100mph, touched down in the northern part of Wake County, about 12 miles north of Raleigh. The storm developed in a band of rainshowers; no thunderstorms were observed in the area. Many trees were blown down, but total property damage was estimated at less than \$50,000. The storm moved from south-southeast to north-northwest.</p>											
Davidson County	19	0845EST			0	0	3	0			Thunderstorm Wind
<p>In the new Arcadia-Reedy Creek area of northwest Davidson County, a roof was lifted off a converted airport, a mobile home was moved off its foundation, and damage occurred to a barn roof and storage building. The damage path was 3/4 mile in length.</p>											
32 NORTH DAKOTA											
Northwest, West-Central and East-Central	29	Afternoon			0	0	5	0			High Winds
<p>Strong northwest winds caused power outages, grass fires, and extensive damage to trees and buildings. The winds also destroyed a grain bin and toppled a barn, killing the animals inside.</p> <p>Visibilities were reduced to near zero in blowing dust in some areas.</p> <p>A peak wind gust of 64 mph was recorded at the Bismarck airport.</p>											
33 OHIO											
OHZ003-004 Northeast Ohio	06	0600EST			0	0	?	0			Heavy Snow
<p>Six to eight inches of snow fell on Ashtabula, Geauga, and Trumbull Counties from 0600 EST on the 6th to 0600 on the 7th.</p>											
Butler County	10	1605EST			0	0	4	0			Thunderstorm Wind
<p>Several farm buildings and trees were destroyed about 2 miles east of Reily.</p>											
Darke County	10	1615EST			0	0	4	0			Thunderstorm Wind
<p>A mobile home and a camper were destroyed and several trees were downed near Ansonia.</p>											
Butler County	10	1620EST	1	200	0	0	6	0			Tornado (F2)
<p>A tornado touched down near Haud. Six buildings in a large apartment complex lost their roofs, and 3 buildings in another apartment complex suffered heavy damage.</p>											
Mercer County	10	1620EST	14	75	0	0	5	0			Tornado (F1)
<p>A tornado set down about 1 mile northwest of Coldwater. It traveled northeast on a hit skip path through Celina and lifted when it was 4 miles southeast of Mendon. A home and a house trailer were destroyed, 4 homes suffered major damage, and light damage occurred to another 115 structures.</p>											
Hamilton County	10	1635EST			0	0	5	0			Thunderstorm Wind
<p>A gust of 58 miles an hour was observed at Luken Field in Cincinnati. Large trees falling caused damage in several parts of the county, and an apartment building was partially deroofed in Elmwood Place.</p>											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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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	
OHIO									
Hamilton County	10	1645EST			0	0	?	0	Hail (1.75)
Golfball-sized hail fell on the village of Amberly.									
Allen County	10	1645EST			0	0	4	0	Thunderstorm Wind
A storm in Spencerville destroyed a garage and some storage sheds and caused a falling tree to damage 2 cars. Trees were downed in Lima, where the Allen County airport reported a gust of 60 miles an hour.									
Montgomery County	10	1646EST			0	0	4	0	Thunderstorm Wind
A wind gust of 67 miles per hour was observed at the Dayton Airport.									
Auglaize County	10	1700EST			0	0	4	0	Thunderstorm Wind
A storm in Minster destroyed a shed, deroofed part of a bowling alley, and damaged several other roofs. Winds overturned a truck just east of Wapakoneta.									
Clark County	10	1700EST			0	0	3	0	Thunderstorm Wind
Several sheds were destroyed and 2 trees were toppled in New Carlisle.									
Clinton County	10	1700EST			0	0	4	0	Thunderstorm Wind
A parked truck was blown off the road about 6 miles north of Wilmington. Several county roads were blocked by downed trees.									
Shelby County	10	1703 EST			0	0	4	0	Thunderstorm Wind
A thunderstorm destroyed 2 barns and several smaller farm buildings near Russia.									
Clinton County	10	1708EST	6	75	0	10	6	0	Tornado (F2)
A tornado touched down in western Wilmington. The storm tracked northeast, which carried it through the northern part of the city. Liftoff was about 5 miles northeast of Wilmington. Ten people were injured. Two permanent homes were destroyed and 6 more badly damaged, and serious damage affected 5 business buildings. Thirty mobile homes were overturned in a trailer park. Most of the storm damage occurred in western Wilmington.									
Logan County	10	1715EST			0	0	4	0	Thunderstorm Wind
A trailer was destroyed and several farm buildings suffered heavy damage near Belle Center.									
Champaign County	10	1716EST			0	2	4	0	Thunderstorm Wind
Winds overturned a construction trailer near Urbana and badly damaged a barn near Mechanicsburg.									
Greene County	10	1720EST			0	0	4	0	Thunderstorm Wind
Winds uprooted trees and caused minor roof damage at several places, which resulted in considerable damage to a house and an airplane.									
Hardin County	10	1720EST	6	75	0	0	5	0	Tornado (F1)
A tornado touched down 1 mile south of Kenton and traveled northeast. The tornado lifted 7 miles northeast of Kenton. A barn and a bathhouse were destroyed, while several other buildings experienced moderate damage.									
Fayette, Madison, and Pickaway Counties	10	1725EST	30	100	1	10	6	0	Tornado (F2)
A tornado touched down at the western edge of Fayette County near U.S. Route 22. The storm went northeast through Bloomingburg, then entered southeast Madison County, passing just east of Mount Sterling. The tornado next went into Pickaway County where it lifted off about 1 mile southwest of Derby. A man was killed in a mobile home about 4 miles west of Washington Court House. Ten mobile homes, 1 permanent home, and at least 5 farm buildings were destroyed. Forty mobile homes were damaged in a park 2 miles southwest of Derby. M34M.									
Marion County	10	1730EST			0	0	3	0	Thunderstorm Wind
Winds gusted to 106mph at the Marion Airport. A department store in Marion suffered minor damage, and trees were downed at about a dozen locations in the county. The worst tree damage occurred just north of Prospect.									
Wyandot and Crawford Counties	10	1742EST	5	75	0	0	5	0	Tornado (F1)
A tornado touched down in Wyandot County 4 miles south of Nevada. The storm traveled northeast into Crawford County and left the ground 4 miles west of Bucyrus. Most of the damage was near the end of the storm track, where a house lost its roof and a garage and several farm buildings were destroyed.									
OHIO									
Crawford County	10	1745EST			0	0	4	0	Thunderstorm Wind
Several trees were downed and a garage was destroyed in Gallion.									
Highland County	10	1753EST			0	0	?	0	Hail (.75)
Three quarter inch hail was observed at Hillsboro.									
Brown County	10	1754EST	6	150	0	0	6	0	Tornado (F2)
A tornado struck the east side of Ripley. The storm traveled northeast 6 miles and lifted off near Neel. Most damage was in Ripley, where 2 warehouses were destroyed, and another warehouse, a restaurant, and a high school were severely damaged.									
Crawford County	10	1755EST			0	0	4	0	Thunderstorm Wind
Several trees were downed and a garage was destroyed in Gallion.									
Pickaway County	10	1800EST			0	0	4	0	Thunderstorm Wind
Several outbuildings were destroyed and roofs damaged around South Bloomfield.									
Seneca County	10	1800EST			0	0	5	0	Thunderstorm Wind
Two mobile homes, a barn, a garage, and a silo were destroyed near Attica. Numerous other structures suffered minor damage.									
Franklin County	10	1802EST			0	0	3	0	Thunderstorm Wind
Trees were downed and several metal sheds destroyed in Reynoldsburg.									
Licking County	10	1802EST			0	0	4	0	Thunderstorm Wind
Two sections of a modular home were blown off a trailer on Interstate 70. In Newark, a tree was downed and a building lost an awning.									
Huron County	10	1803EST	8	200	1	10	6	0	Tornado (F2)
A tornado touched down about 2 miles east of Willard. The storm traveled northeast to near Olena, where a teenage girl was killed in a mobile home. Altogether about 6 permanent and 3 mobile homes were destroyed while 5 permanent homes were damaged. F16M.									
Sandusky County	10	1803EST			0	0	4	0	Thunderstorm Wind
Several farm buildings 2 miles east of Clyde were heavily damaged. A barn was moderately damaged and a house was lightly damaged near Lindsey.									
Huron County	10	1805EST			0	5	4	0	Thunderstorm Wind
Falling trees in New London damaged 4 homes and injured 5 people.									
Fairfield County	10	1825EST			0	0	4	0	Thunderstorm Wind
Trees were downed and outbuildings damaged by strong winds 5 miles north of Lancaster.									
Lorain County	10	1830EST			0	0	4	0	Thunderstorm Wind
A thunderstorm downed several trees in Amherst, and destroyed a barn and deroofed a boys home in Elyria. The storm also caused 70 mile an hour winds at the Lorain County airport, just southwest of Elyria.									
Medina County	10	1845EST			0	0	3	0	Thunderstorm Wind
Thunderstorm winds of up to 60 mph caused minor tree damage in Brunswick.									
Perry County	10	1850EST			0	2	5	0	Thunderstorm Wind
Winds destroyed two mobile homes and three barns, and damaged two permanent homes near Glenford. Two people were injured when one of the mobile homes was destroyed.									
Cuyahoga County	10	1855EST			0	0	4	0	Thunderstorm Wind
An apartment building lost its roof in Lakewood, and a man was injured by a falling power line there. Trees were downed and some structure damage occurred in Bay Village, North Royalton, and Parma.									
Scioto County	10	1855EST			0	0	3	0	Thunderstorm Wind
Trees were downed and minor structural damage was caused by a thunderstorm in the southwestern part of the county near Buena Vista.									
022001 Williams County	10	1900EST			0	0	?	0	Flood
The Tiffin River at Stryker began flooding. The river crested at 14.1 feet (flood stage 11 feet) at 2200EST on the 13th. Only agricultural land was affected by the flooding.									
Muskingum County	10	1900EST			0	0	4	0	Thunderstorm Wind
The Zanesville airport observed a wind of 58 miles an hour.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1986

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		
OHIO										
Summit County	10	1905EST			0	0	4	0		Thunderstorm Wind
Trees and power lines were downed in Barberton and Akron.										
Holmes County	10	1915EST			0	0	4	0		Thunderstorm Wind
Trees and power lines were downed 5 miles east of Millersburg.										
Geauga County	10	1930EST			0	0	4	0		Thunderstorm Wind
Strong winds in Hamden shifted a barn off its foundation and downed several trees. Trees were also felled in Newbury and Madison.										
Lake County	10	1930EST			0	0	4	0		Thunderstorm Wind
Strong winds toppled several trees and caused light structural damage in Madison and Mentor.										
Portage County	10	1940EST			0	0	4	0		Thunderstorm Wind
Trees and power lines were downed by 60mph winds near the Ravenna Arsenal.										
Trumbull County	10	1940EST			0	0	4	0		Thunderstorm Wind
Minor structural and tree damage resulted from a thunderstorm that produced 70mph winds in Newton Falls.										
Muskingum County	10	1945EST	5	100	1	3	5	0		Tornado (F2)
A tornado struck about 2 miles southwest of Norwich. The storm traveled to southeastern New Concord before lifting. A mobile home was destroyed just southeast of Norwich, with 1 of the occupants killed and the other injured. Two people were injured on a college campus in New Concord. Besides the mobile home, one permanent home was destroyed, but otherwise property damage was minor. F64M.										
Ashtabula County	10	2000EST			0	0	4	0		Thunderstorm Wind
Trees were downed and farm outbuildings damaged in several parts of the county.										
Columbiana County	10	2000EST			0	0	4	0		Thunderstorm Wind
Trees were downed at several points in the county. Winds of 60mph were reported in East Liverpool.										
OHZ001 Williams County	11	1900EST			0	0	?	0		Flood
The Saint Joseph River at Montpelier went into flood. The river crested at 13.8 feet (flood stage 12 feet) at 1200EST on the 12th. The flooding caused little or no damage.										
OHZ002 Erie and Huron Counties	13	0900EST			0	0	?	0		Flood
The Huron River at Milan began flooding. The river crested at 15.4 feet (flood stage 14 feet) at 1700EST on the 13th. Damage was minor.										
OHZ008 Hamilton County	13	1100EST			0	0	?	0		Flood
The Great Miami River at Miamitown went into flood. The river crested at 16.1 feet (flood stage 16 feet), which was not enough to cause significant damage.										
OHZ001 Northwest Ohio	13	1100EST			0	0	?	0		Flood
The Maumee River flooded at Waterville. The river crested at a stage of 9.6 feet (flood stage 9 feet) at 0700EST on the 14th. Only lowlands adjoining the river flooded.										
OHZ006 Marion County	13	1900EST			0	0	?	0		Flood
The Scioto River flooded at La Rue. Crest stage was 11.2 feet (flood stage 11 feet), and occurred at 0700EST on the 14th. The flooding caused little damage.										
OHZ006 Pickaway County	14	0200EST			0	0	?	0		Flood
The Scioto River began flooding at Circleville. The river crested at 15.8 feet (flood stage 14 feet) at 1900EST on the 14th. Only minor damage occurred.										
OHZ006 Pike County	14	1300EST			0	0	?	0		Flood
The Scioto River flooded at Piketon. The river crested at a stage of 17.6 feet (flood stage 16 feet) at 0900EST on the 16th. Flooding was confined to farmland.										
OHZ001 Williams County	19	1700EST			0	0	?	0		Flood
Flooding started along the Saint Joseph River at Montpelier. The river crested at a stage of 13.4 feet (flood stage 12 feet) at 1900EST on the 20th. Only low places near the river flooded.										
OHZ001 Northwest Ohio	20	1100EST			0	0	?	0		Flood
The Maumee River flooded at Waterville. The river crested near the flood stage of 9 feet at 1200EST on the 20th, and there was no flood damage.										
34 OKLAHOMA										
Woodward County	09	1915GST			0	0	4	?		Tstm. Wind
Custer County	09	1950GST			0	0	?	?		Tstm. Wind
Blaine County	09	2000GST			0	0	?	?		Tstm. Wind
Comanche County	09	2048GST			0	0	?	?		Tstm. Wind
Stephens County	09	2112GST			0	0	?	?		Hail (0.75)
Comanche County	09	2115GST			0	0	?	?		Tstm. Wind
Cotton County	09	2130GST			0	0	?	?		Hail (0.75)
Jefferson County	09	2145GST			0	0	4	?		Tstm. Wind
Cleveland County	09	2150GST			0	0	?	?		Hail (1.75)
Logan County	09	2151GST			0	0	?	?		Hail (1.00)
Jefferson County	09	2200GST			0	0	?	?		Tstm. Wind
Logan County	09	2200GST			0	0	?	?		Hail (1.00)
Lincoln County	09	2205GST			0	0	?	?		Hail (0.88)
Cleveland County	09	2210GST			0	0	?	?		Tstm. Wind
Stephens County	09	2220GST			0	0	?	?		Hail (1.00)
Pottawatomie County	09	2230GST			0	0	?	?		Tstm. Wind
Creek County	09	2240GST			0	0	?	?		Tstm. Wind
Seminole County	09	2245GST			0	0	?	?		Hail (0.88)
Okmulgee County	09	2300GST			0	0	?	?		Tstm. Wind
Carter County	09	2303GST			0	0	?	?		Hail (0.88)
Hughes County	09	2320GST			0	0	?	?		Tstm. Wind
Tulsa County	09	2320GST			0	0	?	?		Tstm. Wind, Hail (1.75)
Love County	09	2320GST			0	0	?	?		Hail (1.00)
Tulsa County	09	2329GST			0	4	?	?		Tstm. Wind
Wagoner County	09	2330GST			0	0	4	?		Tstm. Wind
Muskogee County	09	2350GST			0	0	4	?		Tstm. Wind
Cherokee County	09	2350GST			0	0	4	?		Tstm. Wind
Pittsburg County	09	2350GST			0	0	4	?		Tstm. Wind
Delaware County	09	2350GST			0	0	?	?		Tstm. Wind
Atoka County	10	0000GST			0	0	?	?		Tstm. Wind
Sequoyah County	10	0055GST			0	0	?	?		Tstm. Wind
Leflore County	10	0117GST			0	0	?	?		Hail (.75)
Thunderstorms produced winds of 60 to 80 mph and hail 3/4 inch to golfball size. Four students were injured by flying glass at Oral Roberts University in Tulsa.										
Love County	11	1300GST			0	0	?	?		Hail (1.00)
Muskogee County	11	1315GST			0	0	?	?		Tstm. Wind
Carter County	11	1335GST			0	0	?	?		Hail (0.88)
McClain County	11	1540GST			0	0	?	?		Hail (0.75)
Pottawatomie County	11	1630GST			0	0	?	?		Hail (0.75)
Grady County	11	1642GST			0	0	?	?		Hail (0.88)
Seminole County	11	1650GST			0	0	?	?		Hail (0.75)
Cleveland County	11	1655GST			0	0	?	?		Hail (1.75)
Love County	11	1655GST	Short Narrow		0	0	?	?		Tornado (F1)
McClain County	11	1707GST			0	0	?	?		Hail (0.88)
Hail ranging from 3/4 inch to golfball size fell over sections of the state. Thunderstorms produced winds of 60 to 70 mph. A tornado touched down just south of Courtney in southwestern Love County, destroying a barn.										
Bryan County	15	1500CST			0	0	?	?		Hail (1.75)
Bryan County	15	1515CST			0	0	?	?		Hail (.75)
Choctaw County	15	1520CST			0	0	?	?		Hail (1.00)
Marshall County	15	1657CST			0	0	?	?		Hail (.75)
Thunderstorms produced hail ranging from 3/4 inch to golfball size across southern sections.										
Beckham County	17	1730CST			0	0	?	?		Hail (.75)
Harmon County	17	1740CST			0	0	?	?		Hail (.75)
Roger Mills County	17	1754CST			0	0	?	?		Hail (.75)
Greer, Beckham, and Washita Counties	17	1755-	35	100	0	0	5	?		Tornado (F1)
Ellis County	17	1810CST			0	0	?	?		Hail (1.00)
Ellis County	17	1820-			0	0	?	?		Hail (1.00)
1830CST										
Dewey County	17	1830CST			0	0	?	?		Hail (.88)
Woodward County	17	1830CST			0	0	?	?		Hail (.88)
Dewey County	17	1854CST			0	0	?	?		Tstm. Wind, Hail (1.00)
Woodward County	17	1900-			0	0	?	?		Hail (0.75)
1905CST										
Major County	17	1935CST			0	0	?	?		Hail (1.75)
Roger Mills County	17	1935CST			0	0	?	?		Hail (.88)
Ellis County	17	1941CST			0	0	?	?		Hail (.75)
Woods County	17	1945CST			0	0	?	?		Hail (.75)
Dewey County	17	2030CST			0	0	?	?		Hail (.88)
Custer County	17	2045CST			0	0	?	?		Hail (.88)
Thunderstorms produced hail 3/4 inch to golfball size and scattered winds up to 70 mph. A tornado touched down 2 1/2 miles west of Plainview (Greer County), damaging a house and barn, and downing trees and power lines. The tornado touched down intermittently as it moved northeastward to just south of Delhi (Beckham County). It downed power poles and uprooted trees as it moved to 5 miles south of Carter (Beckham County), then turned more northward to just north of Retrop (Washita County) and dissipated 2 miles north of Canute. The tornado destroyed 3 barns, downed trees and damaged or destroyed several outbuildings. Damage was estimated at \$100,000. No injuries occurred.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1986

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	
OKLAHOMA											
OK2002-003-004-009-014	21	Morning-Afternoon			0	0	?	?			Heavy Snow
					Five to seven inches of snow fell during the first day of spring. The snow had very large flakes and most of it had melted by evening.						
Woods County	31	2030CST			0	0	?	?			Hail (1.00)
Harper County	31	2033CST			0	0	?	?			Hail (.88)
Woodward County	31	2045-2110CST			0	0	6	?			Hail (2.00)
Woodward County	31	2129CST			0	0	?	?			Hail (.75)
Dewey County	31	2155CST			0	0	?	?			Hail (1.75)
Woods County	31	2155CST			0	0	?	?			Hail (.75)
Alfalfa County	31	2200CST			0	0	?	?			Hail (.88)
Ellis County	31	2200CST			0	0	?	?			Hail (.75)
Woodward County	31	2200CST			0	0	?	?			Hail (.88)
Alfalfa County	31	2215CST			0	0	?	?			Hail (.88)
Roger Mills County	31	2215CST			0	0	?	?			Hail (.75)
Dewey County	31	2218-2226CST			0	0	?	?			Hail (.75)
Custer County	31	2230CST			0	0	?	?			Hail (.88)
					Thunderstorms produced hail ranging from 3/4 inch to golfball size over the west and northwest sections. Two inch size hail fell out of a slow-moving thunderstorm over Woodward and parts of Woodward County. Estimates of around 3 million dollars in damages occurred to roofs and autos.						
35 OREGON											
Morrow County	06	1300-1800PST			0	0	?	?			Flash Flood
					Heavy thunderstorms moved across the Heppner area and caused flash flooding along Rhea Creek. The heaviest rainfall amounts, ranging from 1 to 1 1/2 inches, fell south of the Heppner area. There were numerous reports of local flooding in and around the Heppner area. Most of the flooding came from normally dry washes along Rhea Creek and in the Clarks Canyon area, resulting in large quantities of rocks and debris being deposited along roadways and fences being washed out.						
36 PENNSYLVANIA, Eastern											
PAZ008-009-010-013-016	14	1300EST			0	0	6	0			Small Stream Flooding
South-Central through Northeastern Pennsylvania					After two days of light rain, heavier rain developed on the 14th and continued into the 15th. During this heavy rain period, rainfall amounts exceeded 1.5 inches, with amounts close to 3.5 inches over northeastern Pennsylvania. Measured rainfall amounts over northeastern Pennsylvania ranged from 2.25 to 3.43 inches. The heavy rain combined with snow melt to cause drainage and small stream flooding over much of the Susquehanna Valley and northeastern Pennsylvania. The hardest hit areas were along the Tunkhannock Creek in Wyoming County and the Lackawanna River and some of its tributaries in Lackawanna County. In these areas, well over 100 families had to be evacuated due to flooding of their homes. At least 10 homes suffered serious structural damage. Roads and road berms were washed out and some automobiles were flooded. Outside of these areas of heavier damage, the flooding occurred mainly over low-lying areas and roads, with basement flooding having occurred as well.						
PAZ008-009-011-012-016	15	2200EST			0	0	4	0			Flooding
Susquehanna and Delaware Rivers					Heavy rain on the 14th and 15th, along with melting snow, caused flooding at many locations along both the Susquehanna and Delaware Rivers. Along the Susquehanna, flooding was restricted to the Main Stem and East Branch. The flooding occurred mostly over low-lying roads and other low-lying areas bordering the rivers. The greatest damage occurred at the golf course and resort at Shawnee in Monroe County. About \$100,000 in damage was done to the basement of the main building. Northern portions of the rivers reached flood stage on the evening of the 15th, and river levels did not fall below flood stage at all points along the rivers until late on the 16th.						
PAZ005-00E	19	0700EST			0	0	4	0			High Wind
Southern and Eastern Pennsylvania					A strong pressure gradient over the area caused non-convective wind gusts that resulted in some damage. The damage consisted mostly of downed trees and utility lines, but roof damage occurred in a few locations. Sections of a shopping center roof were torn off in Whitmarsh Township of Montgomery County. A large portion of roof was blown off of a house in Mohnton, Berks County, and roofing was also torn off houses in York and Thomasville, York County. A concrete block wall under construction and a picnic pavilion were blown over in Emmaus, Lehigh County. The highest wind gusts reported were 46 to 47 mph. Although the windy conditions persisted through the day, the damaging wind gusts were of brief duration in any one area.						
36 PENNSYLVANIA, Western											
Ellwood City, Beaver County	10	1845EST			0	0	0	0			Thunderstorm Wind
					Large trees were downed and many power outages occurred during a thunderstorm.						
Dubois, Clearfield County	10	1900EST			0	0	0	0			Thunderstorm Wind
					Trees were downed and limbs torn off during a thunderstorm.						
Jeannette, Westmoreland County	10	2000EST			0	0	4	0			Lightning
					Two businesses suffered extensive damage when lightning struck a chimney, knocking down a 40 foot section of it. Bricks crashed through the roofs of both firms, knocking out power, breaking water lines, and destroying stock.						
Oakland, Allegheny County	10	2030EST			0	0	3	0			Thunderstorm Wind
					Roofs of trailer homes were damaged by thunderstorm wind. Warrendale, Plum, Fox Chapel, South Park, and McKeesport were without power. A 59 mph gust occurred at the Pittsburgh airport.						
Erie, Erie County	10	2030EST			0	0	0	0			Thunderstorm Wind
					Much of the city of Erie was without power due to lines being downed during a thunderstorm.						
Butler, Butler County	10	2030EST			0	0	4	0			Thunderstorm Wind
					Cranberry reported large trees down. Mars, Hopewell, and Aliquippa were without power. Roof damage was sustained by a commercial building in Butler. Trees and power lines were downed in Adams and Penn Townships.						
New Beaver, Lawrence County	10	2100EST			0	0	0	0			Thunderstorm Wind
					A large number of trees were downed by winds reported in excess of 50 mph.						
Armstrong County	10	2100-2200EST			0	0	3	0			Thunderstorm Wind
					Thunderstorm winds caused a power outage in Kittanning. A roof was torn off of a trailer in Templeton at 2130EST.						
Washington County	10	2105EST			0	0	0	0			Thunderstorm Wind
					Finleyville, Bentleyville, and West Brownsville experienced power outages due to thunderstorm winds.						
Westmoreland County	10	2125EST			0	0	0	0			Thunderstorm Wind
					Slickville, Monessen, Upper Burrell, Greensburg, and Washington experienced power outages due to thunderstorm winds.						
Somerset County	10	2225EST			0	0	0	0			Thunderstorm Wind
					Large trees were downed in Jefferson Township by thunderstorm winds.						
Cambria County	10	2225EST			0	0	0	0			Thunderstorm Wind
					Power lines were downed in Portage and Reade by thunderstorm winds.						
37 RHODE ISLAND - NONE REPORTED											
38 SOUTH CAROLINA											
Richland County	13	1515 EST			0	0	6	0			Thunderstorm Wind
					Downburst winds accompanying a thunderstorm caused extensive damage in downtown Columbia at 804 1/2 Gervais Street (Allen Milling Company). Three roofs were torn off and two cars were totaled by the roof debris. There was water damage to paper bags and salt. Six other companies along Gervais Street also suffered varying amounts of damage. On the State House ground, two trees were snapped off and two large trees were uprooted. A piece of copper was ripped off the dome of the State Capitol. There were 21 windows broken at a nearby hotel. Also, several other offices along Gervais Street suffered window or plate glass damage. Minor tree and limb damage continued eastward from the Capitol to the Five Points Section.						
Richland County	13	1515 EST			0	0	4	0			Hail
					Golf ball size hail caused some roof damage in Columbia.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS			
— SOUTH CAROLINA										40 TENNESSEE											
Aiken County	14	0730 EST			0	0	2	0	Lightning	Lauderdale County	11	2230CST			0	5	6	?	Thunderstorm Wind		
									Lightning damaged a chimney of a residence in Aiken.	Lauderdale County	11	2230CST			0	0	5	5	Hail (2.50)		
Aiken County	19	1155 EST			0	0	5	0	Thunderstorm Winds	Dyer County	11	2320CST			0	0	5	2	Hail (1.50)		
									Thunderstorm winds damaged 12 mobile homes near Perry. At least nine were knocked off their foundation and several suffered roof or structural damage. A storage building and a metal airplane hangar were destroyed.	Tipton County	11	2330CST			0	0	4	?	Hail (0.75)		
SC2001-002-003-004-005-006-007	22-23	A.M.			0	0	0	5	Cold	Crockett County	12	0000CST			0	0	5	?	Hail (2.50)		
State Wide									Freezing weather with early morning lows from 20° to around freezing damaged fruit and early spring crops.	Crockett County	12	0000CST			0	0	4	0	Thunderstorm Wind		
39 SOUTH DAKOTA										Henry County											
SDZ00N Northern South Dakota	01-05	Morning-Afternoon			0	0	4	0	Flooding		12	0010CST	0.3	17	0	0	4	0	Tornado (F0)		
									Ice jams and rapidly melting snow caused lowland flooding along many of the rivers in the area. The area affected the most was around Wakpala (Corson County) where flooding of Oak Creek produced depths of 12-18 inches in many parts of town. The flooding of the river extended to McLaughlin (Corson County). Fifteen homes were in the flood area, and on March 4th and 5th, seven families were evacuated. Some gravel roads were under water for a time and were damaged, including Wakpala's main street. The flooding of Oak Creek also isolated several ranch homes for part of this time.	A cluster of severe thunderstorms moved eastward across the Mississippi River around 2230CST, causing widespread wind and hail damage. In Lauderdale County, at least 7 mobile homes were overturned and virtually destroyed. Half the roof of a manufacturing plant near Ripley was taken off, and 5 employees received very minor injuries. Two trailers were overturned at that plant as well. Another factory received extensive damage to its roof, and a Sonic restaurant in Ripley sustained damage to its facade, canopy, and fencing. Property damage exceeded \$500,000. Golf ball sized hail broke out windows and did major roof damage, as well as extensive damage to vehicles throughout the county. In Dyer County, hail up to 1 1/2 inches in diameter caused considerable damage to windows, roofs, and cars in southern and western portions of the county. 3/4 inch hail fell in Newbern. Extensive hail damage was received at automobile dealerships. 3/4 inch hail likewise occurred in Covington in Tipton County, causing damage to roofs, windows, and vehicles. The cluster of severe thunderstorms moved northeastward through West Tennessee, and after 0000CST on the 12th, golf ball sized hail fell in Alamo in Crockett County. Many houses, downtown buildings, the Alamo Elementary School, and a nursing home had windows broken and roofs wrecked. Thunderstorm winds ripped the roof off of part of a church. In Gibson County, thunderstorm winds demolished numerous outbuildings, and damaged 2 homes and a barn. 3/4 inch hail fell in Dyer. Hen-egg sized hail fell near Milan, and windows in cars and homes were broken out. Over \$20,000 worth of damage resulted.											
SDZALL Statewide	05	Morning-Late Afternoon			0	0	0	0	High Winds	In Henry County, severe thunderstorm winds first caused damage just south of Como, and caused damage northeastward to east of Mt. Pleasant near the Tennessee-Kentucky state line. Numerous outbuildings and barns were destroyed, a trailer was overturned and destroyed (but the man inside was uninjured), roof damage occurred to a church and a restaurant, 2 satellite dishes were downed, 5 homes received wind damage, a large television tower was blown over, and 2 airplanes at the Henry County airport were overturned, causing extensive damage to each. Winds at the airport gusted to 65 knots. A weak tornado occurred within the thunderstorm, causing over \$5,000 worth of damage to a home. The 17 yard wide tornado touched down 4 miles south of Cottage Grove, and traveled 1/4 mile to the northeast before dissipating.											
SDZ05E Southeast South Dakota	12-13	Morning			0	0	0	0	Heavy Snow	Shelby County	12	0145CST			0	0	5	0	Thunderstorm Wind		
									Four to six inches of snow fell over parts of southeast South Dakota. Both Mitchell (Davison County) and Plankinton (Aurora County) reported six inches.	Fayette County	12	0145CST			0	0	3	0	Hail (0.75)		
SDZALL Statewide	17-18	Afternoon-Morning			0	0	3	0	Heavy Snow		12	0210CST			0	0	5	0	Thunderstorm Wind (63)		
									A foot or more of snow fell over south-central parts of the state. Greatest amounts reported were 18 inches at Cedar Butte (Mellette County), 17 inches at Murdo (Jones County) and 15 inches at Kadoka (Jackson County). Six or more inches of snow fell over a large area from southwest South Dakota to the east-central. Travel was hazardous over most of the state. Interstate 90 was closed from Wall (Pennington County) to Vivian (Lyman County) from the evening on March 17 through late morning on March 18. Other roads were blocked in the south-central as winds gusted to 40 mph and produced drifts up to five feet deep in places. Between Murdo and Kadoka, 110 cars and trucks were stranded. Many schools and some businesses were closed in the southwest through the east-central parts of the state on March 18. The heavy snow and winds caused a one and one-half hour power outage in an area west of Huron (Beadle County).	Madison County	12	0245CST			0	0	6	?	Thunderstorm Wind		
SDZ05E Northeast South Dakota	30-31	Morning-Evening			0	0	5	0	Flooding	Madison County	12	0245CST			0	0	0	0	Funnel Cloud		
									Rainfall and snow melt caused some lakes and rivers to rise to very high levels in the northeast. Lake Kampeska, near Watertown (Codington County), was very high and produced the worst flooding since 1969. Many streets were closed and some houses flooded. Sandbagging was done near the lake.	Chester County	12	0234CST			0	0	3	0	0	0	Thunderstorm Wind

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS			
41 TEXAS, Northern										— TEXAS, Northern											
Cooke County	9	2355CST			0	0	?	?	Hail	Parker County	11	1788CST 1658CST	9	40	0	0	?	?	Tornado F2 Hail		
									Hail to quarter size was reported in Gainesville.										Intense storms continued to move eastward and at 1658CST, hail to golfball size was reported west of Weatherford. A few minutes later, a tornado touched down several miles west of the city, destroying two mobile homes and numerous trees and power lines. The tornado continued northeast for about 9 miles, mostly through open fields, but still managed to damage several more homes, trees and power lines. An 18 wheel truck was also overturned before the tornado lifted about 6 miles north of Weatherford. The storm produced golfball size hail south of Springtown at 1715CST, and penny size hail near Azle at 1732CST.		
Grayson County	10	0028CST			0	0	?	?	Hail	Comanche County	11	1715CST			0	0	?	?	Hail		
									Hail to quarter size was reported just west of Sherman.										Hail to 3/4 inch was reported in Comanche.		
Fannin County	10	0055CST			0	0	?	?	Hail	Wise County	11	1725CST			0	0	?	?	Hail		
									Spotters reported hail to quarter size just west of Bonham.										Hail to quarter size was reported at Newark, with 3/4 inch hail at Chico and Alvord.		
Lamar County	10	0115CST			0	0	?	?	Hail	Tarrant County	11	1745CST			0	0	?	?	Hail		
									Hail to golfball size was reported near Paris.										Hail to 3/4 inch was reported at Eagle Mountain Lake.		
Red River County	10	0138CST			0	0	?	?	Thunderstorm Winds	Hood County	11	1758CST			0	0	?	?	Hail		
									Thunderstorm winds downed numerous trees and power lines in the western part of the county.										Hail to golfball size was reported near Granbury at 1758CST, and 3/4 inch hail was reported in the city at 1810CST.		
Dallas County	10	0148CST			0	0	?	?	Thunderstorm Winds	Johnson County	11	1808CST			0	0	?	?	Hail		
									Thunderstorm winds estimated at over 85 mph downed 16 large power poles and numerous trees in the Rowlett area. The path of destruction was nearly 3/4 mile long, with 3 buildings destroyed and a shopping center heavily damaged. One mobile home was also overturned.										One inch hail was reported north of Cleburne at 1808CST, with 3 inch hail reported at Parker at 1855CST. 3/4 inch hail was reported at Alvarado at 1905CST.		
Knox County	11	1325CST			0	0	?	?	Hail	Denton County	11	1802CST			0	0	?	?	Thunderstorm Winds, Hail		
									Hail to golfball size was reported at Munday.										Hail to 3/4 inch was reported southwest of Denton at 1802CST, increasing to 1 inch hail southeast of Denton at 1828CST. Thunderstorm winds struck about 5 miles south of the city, destroying a barn and heavily damaging a home.		
Haskell County	11	1338CST			0	0	?	?	Hail	Cooke County	11	1804CST			0	0	?	?	Hail		
									Hail to golfball size was reported north of Haskell and south of Rochester.										3/4 inch hail was reported at Gainesville at 1804CST and at 1915CST.		
Foard County	11	1421CST			0	0	?	?	Hail	Somervell County	11	1811CST			0	0	?	?	Hail		
									Hail to 3/4 inch was reported east of Goree.										3/4 inch hail was reported at Glen Rose.		
Baylor County	11	1438CST			0	0	?	?	Hail	Collin County	11	1858CST			0	0	?	?	Thunderstorm Winds, Hail		
									Hail to 3/4 inch was reported near Bonarton.										Hail to golfball size was reported by McKinney Police at 1858CST. At 1908CST, thunderstorm winds struck northeast of Farmersville in the Blue Ridge Community, destroying three mobile homes and two barns. Several miles to the northeast, the winds destroyed several more barns and downed trees and power lines near the community of Pike.		
Montague County	11	1433CST			0	0	?	?	Hail	Fannin County	11	1925CST			0	0	?	?	Thunderstorm Winds, Hail		
									Hail to golfball size was reported at Saint Jo.										Hail to 3/4 inch was reported near Bonham at 1725CST. At 1945CST, thunderstorm winds destroyed a home near Leonard. At the same time, hail to one inch accompanied thunderstorm winds that destroyed a home near Ladonia.		
Throckmorton County	11	1508CST			0	0	?	?	Hail	Ellis County	11	1933CST			0	0	?	?	Hail		
									Hail to golfball size was reported at Throckmorton.										Hail to 3/4 inch was reported at Italy and Midlothian.		
Eastland County	11	1528CST 1455CST 1559CST	1/2	30	0	0	0	0	Tornado F0 Hail Hail	Hunt County	11	1948CST			0	0	?	?	Hail		
									Hail to golfball size was reported at Cisco at 1455CST. The storm intensified, and at 1528CST, spotters watched as a small tornado touched down several miles north of Eastland. The tornado touched down in a field and traveled only a short distance before lifting. At 1559CST, hail to 3/4 inch covered the ground north of Cisco.											Golfball size hail was reported at Wolfe City.	
Young County	11	1538CST			0	0	?	?	Hail	Upshur County	11	2015CST			0	0	?	?	Thunderstorm Winds		
									Hail to 3/4 inch and 50 mph winds were reported at Diney.										Thunderstorm winds destroyed several barns and downed trees and power lines 7 miles north of Gilmer.		
Stephens County	11	1538CST 1528CST 1515CST	1	30	0	0	0	0	Tornado F0 Hail Funnels	Red River County	11	2108CST			0	0	?	?	Hail		
									A spotter observed a small tornado, or gustnado, along the leading edge of a dust front 3 miles north of Breckenridge. The tornado stayed on the ground for several minutes across open fields before dissipating. Two funnels were observed by spotters several miles northwest of Breckenridge. Five minutes later, hail to baseball size began to fall in the area. Four windows were broken in the county courthouse, with 16 broken in the museum. Numerous car windows were also broken in Breckenridge and the surrounding area.												Hail to 7/8 inch was reported near Boats.
Palo Pinto County	11	1615CST			0	0	?	?	Hail												
									Hail to baseball size was reported at Strawn at 1615CST. Hail to golfball size was reported at Palo Pinto at 1628CST and at Mingus 1643CST.												
Clay County	11	1625CST			0	0	?	?	Hail												
									Hail to 3/4 inch was reported at Henrietta at 1625CST. At 1638CST, hail to nickel size was reported southwest of the city.												

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1986

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					KILLED	INJURED	PROPERTY	CROPS	KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Northern													
Wood and Franklin Counties	11	2120CST			0	0	?	?	?	?		Thunderstorm Winds	
												Thunderstorm winds downed trees and power lines in the Mineola area at 2120CST.	
												At 2145CST, thunderstorm winds downed trees and power lines around Minnsboro, in southern Franklin and northern Wood Counties.	
Titus County	11	2145CST			0	0	?	?	?	?		Thunderstorm Winds, Hail	
												Thunderstorm winds downed trees and power lines at Mt. Pleasant, with some reports of trees blocking roads. Hail to marble size was also reported.	
Freestone County	11	2145CST			0	0	?	?	?	?		Hail	
												Hail to 3/4 inch was reported at Fairfield.	
Sabine County	12	0005CST	1	200	0	0	?	?	?	?		Tornado F1	
												A tornado struck Pineland, destroying 3 business buildings and 2 barns. Two mobile homes were heavily damaged by fallen trees. Numerous other businesses were damaged, particularly front windows that were broken. Several roofs of homes were also damaged in the area. Property damage was estimated at \$750,000.	
Palo Pinto County	12	2040CST			0	0	?	?	?	?		Hail	
												Hail to golfball size was reported near Possua Kingdom Lake at 2040CST. Hail larger than golfballs was reported southwest of Mineral Wells at 2210CST with 2 inch hail in the city at 2225CST.	
Parker County	12	2250CST			0	0	?	?	?	?		Hail	
												Hail to golfball size was reported at Weatherford.	
Tarrant County	12	2342CST			0	0	?	?	?	?		Hail	
												Hail to golfball size was reported in Sapinaw.	
Dallas County	13	0020CST			0	0	?	?	?	?		Hail	
												Hail to 3/4 inch was reported in northwest Dallas.	
Hunt County	13	0150CST			0	0	?	?	?	?		Hail	
												Hail to 3/4 inch was reported in eastern Hunt County.	
Red River County	13	0250CST			0	0	?	?	?	?		Hail	
												Hail to 3/4 inch was reported near Clarksville.	
Jones County	13	1550CST			0	0	?	?	?	?		Hail	
												Hail to golfball size was reported in Anson with similar reports north of Hawley at 1635CST.	
Palo Pinto County	13	1740CST			0	0	?	?	?	?		Hail	
												Hail to golfball size was reported near Grafod at 1740CST and near Gordon at 1745CST.	
Parker County	13	1837CST			0	0	?	?	?	?		Thunderstorm Winds, Hail	
												Hail to 1 1/2 inches was reported at Authon at 1837CST, with several reports of golfball size hail in the area.	
												From 1855CST to 1900CST, hail to golfball size and winds to 80 mph were reported in Weatherford. Trees and power lines were downed and several homes sustained damage.	
Tarrant County	13	1930CST			0	0	?	?	?	?		Thunderstorm Winds, Hail	
												Hail to golfball size was reported in western parts of the county at 1930CST, and by 2000CST, the hail was 1 1/2 inches in Ft Worth. High winds damaged several outbuildings and downed some trees in northeast Tarrant County.	
Cass County	15	1649CST			0	0	?	?	?	?		Hail	
												Eqg size hail was reported at Hughes Springs at 1649CST.	
												Golfball size hail was reported south of Linden at 1735CST.	
												Quarter size hail was reported at Atlanta at 1800CST.	
Bowie County	15	1740CST			0	0	?	?	?	?		Hail	
												Golfball size hail was reported southwest of Texarkana.	
												Nickel size hail was reported at Maud at 2030CST.	
TEXAS, Northern													
Marion County	15	1825CST			0	0	?	?	?	?		Hail	
												Hail to 1 inch was reported near Smithland.	
Jones County	17	2115CST			0	0	?	?	?	?		Hail	
												Hail to golfball size was reported west of Anson.	
Stephens County	17	2330CST			0	0	?	?	?	?		Hail	
												Hail to 3/4 inch was reported at Hubbard Creek Lake.	
41 TEXAS, Southern													
Comal County	03	1630CST			0	0	5	0	0	0		Wind	
												High winds from a severe thunderstorm damaged 4 aircraft at the New Braunfels Airport. 2 of the planes were flipped over. Nearby large signs, power poles and lines were downed.	
Guadalupe County	03	1700CST			0	0	5	0	0	0		Wind	
												High winds from a thunderstorm blew over the football scoreboard at the high school stadium at Geronimo. Nearby windows at the gym and other buildings were blown out. Timing and sequence of events suggest that this was the same severe thunderstorm that was responsible for the above damage in Comal County.	
Duval County	08	1625CST			0	0	4	0	0	0		Hail	
												Hail up to the size of baseballs was reported 10 miles north of Freer. The hail occurred mostly in remote open country. One farmer reported hail damage to his barn.	
Williamson County	11	1954CST			0	0	0	0	0	0		Wind	
												High winds from a thunderstorm were measured near 60 MPH at Cedar Park. Damage was not reported.	
Medina County	11	2000CST			0	0	0	0	0	0		Hail	
												Three quarter inch hail was reported at Hondo. Damage was not reported.	
Bexar County	11	2040CST			0	0	?	0	0	0		Hail	
												Helotes, on the northwest side of the city of San Antonio, reported hail up to one inch in diameter. Also, three quarter inch hail was reported on the west side of the city of San Antonio. Damage was not reported with either occurrence.	
Wilson County	11	2100CST			0	0	?	0	0	0		Hail	
												Hail up to the size of baseballs was reported over the western part of the county. Exact location could not be determined. Damage was not reported.	
Tyler County	12	0015CST			0	0	4	0	0	0		Wind	
												High winds from a thunderstorm damaged 2 mobile homes in Colmesneil which is located 12 miles north of Woodville.	
Victoria County	12	0035CST			0	0	?	0	0	0		Hail	
												Hail the size of golfballs fell 16 miles south of Victoria at the Dupont Plant. Damage was not reported.	
Lavaca County	12	0112CST			0	0	0	0	0	0		Hail	
												Shiner reported hail the size of quarters. Damage was not reported.	
Aransas, Bee, and San Patricio Counties	13	1720-1830CST			0	0	?	?	?	?		Hail	
												A severe thunderstorm formed in Bee County and moved southeast into San Patricio and Aransas Counties. Hail was reported along a path from Papatote in Bee County south to Aransas County. Papatote reported hail the size of golfballs. Hail nearly covered the ground at Portland in San Patricio County. Hail size in Portland was up to an inch and half in diameter. Several reports of one inch hail came from Aransas County. While some damage was likely, it was not reported.	
41 TEXAS, Western													
Sutton County	13	1500CST			0	0	0	0	0	0		Wind	
												Thunderstorm wind gusted to near 60 mph in Sonora, causing no apparent damage.	

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1986

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	
42 UTAH									
UTZ006 Southwest Valleys	08	1600MST			0	0	1	0	High Wind
	Strong, prefrontal, southerly winds gusted to 58 and 59 mph respectively at Cedar City and Milford on this Saturday afternoon. The Snowbird ski resort wind recorder registered a 65 mph gust during the morning hours.								
Davis County	08-08	1600MST-2400MST			0	0	3	0	Flash Flooding
	Streams in Davis County ran high after a cold front dumped moderate to locally heavy amounts of rain in the area. Flash flood spotters in Bountiful reported over 2 inches of rain in the 8 hour period. About 9 inches of water was running over U.S. 89 in Bountiful at one point, and Mill Creek overflowed and flooded a home. Damage to the home was estimated at \$4,500.								
UTZ010 Northern Wasatch Mountains	08-09	1500MST-0400MST			0	0	1	0	Heavy Snow
	Approximately 20 inches of wet snow fell at the Alta Ski resort on this Saturday night. The storm also produced moderate amounts of rainfall and some minor street flooding along the Wasatch Front. Rainfall amounts ranged from 1/2 to 2 1/2 inches in Salt Lake and Davis Counties.								
Davis County	12	1200MST			0	0	4	0	Lightning
	Lightning struck a home in Plain City, just north of Ogden, a few minutes before noon. Fortunately no one was home at the time. The fire chief who inspected the home reported that the lightning "somehow split" and started several fires simultaneously. Damage to the home was estimated at \$45,000.								
UTZ002-011 Western Deserts and Southern Mountains	12-13	1700MST-0500MST			0	0	1	0	Heavy Snow
	A couple of spots in the western desert areas and in the southern mountains recorded heavy snowfall overnight. Tooele reported 6 inches of snow overnight; Dugway proving grounds, 4 inches; and Brianhead ski resort, 16 inches.								
UTZ010 Northern Wasatch Mountains	14-15	0900MST-0900MST			0	0	1	0	Heavy Snow
	The Alta ski resort recorded 19 inches of snow during the 24 hour period. 10 inches of this fell in a four hour period.								
UTZ003-010 Wasatch Front and Northern Mountains	17-18	0000MST-0600MST			0	0	1	0	Heavy Snow
	Heavy snow fell over the Wasatch Front and adjacent mountain areas. By 9:30 a.m. on the 17th, North Ogden had received 9 inches of new snow, and by 12:30 p.m. on the 17th, Bountiful had received 9 inches. The Snowbird ski resort received 17 inches of snow during the period and Alta recorded 13 inches.								
43 VERMONT									
Statewide	07	1445EST			1	2	6	0	Flood
	Rain, melting snow and warm temperatures created flood conditions in the state of Vermont. Many small streams flowed out of their banks. Flooding and ice jam problems were reported along the Missisquoi and Passumpsic, White, West and Connecticut Rivers.								
	Mud slides were reported in Middlebury. High winds were reported to have taken down several trees in the state. One death occurred in St. Johnsbury in a collision between a car and a tractor-trailer, the road was under water at the time.								
	F30V								
44 VIRGINIA ————— NONE REPORTED									
45 WASHINGTON									
West of Cascades	7	Morning			0	0	?	0	Wind
	A Pacific frontal system moved swiftly through western Washington during the morning hours. Sustained winds associated with the system were in the 30-40 mph range and gusts were as high as 50 mph on the bridges around Puget Sound. The Hood Canal Bridge was forced to close until afternoon.								
Puget Sound	8	0400-0700PST			0	0	0	0	Thunderstorm
	Cold and unstable air over western Washington behind a cold front triggered a thunderstorm squall line to develop in the early morning hours. The line of thunderstorms moved north through Puget Sound. Hailstones were as large as 1/2" in diameter on Vashon Island, west of Seattle. Wind speeds were measured at around 40 mph over much of the area at the time.								
46 WEST VIRGINIA ————— NONE REPORTED									
47 WISCONSIN									
WIZ 001-002-003-004-005 Northern Third of Wisconsin	18-19	Late Morning into Early Morning			0	0	5	0	Heavy Snow
	A 3 to 11 inch band of wet heavy snow fell across the northern third of the state, with north central sections receiving the greatest amounts. 11 inches were deposited at Pearson (Langlade County) while 10 inches was measured at Park Falls and Phillips (Price County) and in portions of western Florence county. Power was lost in several areas when snow-covered trees and iced-up conductors knocked out electricity. The storm also caused many businesses and schools to close at noon.								
WIZ005 Oconto County	20-21	Daytime into Daytime			0	0	6	0	Flash Flood
	Huge ice jams along the Oconto River from an area at the Oconto Memorial Hospital to the mouth of the Bay of Green Bay plus the near record high water levels of the Bay of Green Bay combined to trigger widespread flash flooding in downtown Oconto. Over \$500,000 in damage was caused as flood waters hit business and industrial districts. 65 homes were also evacuated. Many roads and several bridges were also flooded.								
WIZ013 Manitowoc County	25-26	Daytime into Morning			0	0	5	0	Flash Flood
	Ice jams along the Manitowoc River caused severe flash flooding in the Manitowoc Rapids area and the west side of Manitowoc. 55 people were evacuated and 38 properties suffered damage in excess of \$100,000. The hardest hit area was around Mill Road where water in a residence reached a level of four feet in the basement and over a foot in the living room.								
St. Croix County	31	1705CST			0	0	0	0	Hail (0.75)
	3/4 inch diameter hail fell from a severe thunderstorm at Hudson.								
48 WYOMING									
Carbon County	08	0340MST			0	0	0	0	High Wind
	Gusts to 63 mph were logged at Arlington in extreme east Carbon County.								
Yellowstone National Park	08	0850MST			0	0	0	0	Snow
	Eleven inches of new snow was reported at Grant Village during the preceding 24 hours. Eight inches of snow accumulated at Lake Ranger Station.								
Fremont County	08	1150MST			0	0	3	0	High Wind
	Winds gusting to 59 mph were clocked at the Lander Airport just before noon. An enclosure at the local shooting range was blown over.								
Park County	24	1900MST			0	0	0	0	High Wind
	Winds gusting to 55 mph were logged at the Cody Airport.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1986

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	
49 ALASKA, Northern —————									NO REPORT RECEIVED
49 ALASKA, Southern —————									NO REPORT RECEIVED
49 ALASKA, Southeastern									
Southern Southeast Alaska	20	Evening			0	0	2	0	Winds
					A strong low pressure system moved into Southeast Alaska during the evening of the 20th, bringing intense albeit short-lived winds. At Metlakatla, winds gusted to near 70 mph while at Ketchikan they approached 80 mph. Some power outages occurred in Ketchikan. Otherwise, only minor damage was reported.				
50 HAWAII									
HIZ004 Hawaii	16	1900HST			0	0	3	0	Flash Flooding
					Heavy showers along the windward side of the Big Island of Hawaii caused minor flash flooding.				
51 PUERTO RICO —————									NONE REPORTED
52 VIRGIN ISLANDS —————									NONE REPORTED
53 PACIFIC —————									NONE REPORTED

STORM SUMMARY

MARCH 1986

STATE	TORNADOES					HAILSTORMS			WINDSTORMS				LIGHTNING			FLOODING			HEAVY SNOWSTORMS AND BLIZZARDS				ICE STORMS				ALL OTHER		
	NUMBER	DAYS	DEATHS	INJURIES	DAMAGE	DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE	
								PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS
Alabama	7	3	2	5	6		?	?		2	5																		
Arizona											4																		
Arkansas										12	6																		
California	2	2			6						2					5	5												
Colorado																													
Connecticut																													
Delaware																													
Florida	11	2		1	6				5	1		5																	
Georgia	2	2		19	7						2																		
Idaho																4													
Illinois																													
Indiana	8	1	1	48	7					4	7	?																	
Iowa	1	1			4						4					4													
Kansas									5	4		5																	
Kentucky	6	2		25	7				5		1	92	7																
Louisiana	2	2		3	5				?	?		7	6	?														4	7
Maine																													
Maryland & DC																													
Massachusetts																4													
Michigan																													
Minnesota												?																	
Mississippi	17	2		11	6				?			5																	7
Missouri												6																	
Montana																5													
Nebraska												4	1			3	3												
Nevada																5	5												
New Hampshire																													
New Jersey																													
New Mexico																													
New York										1		5				3	28	7		3	39	6	3				3		
North Carolina	3	1			5				?			4																	
North Dakota												5																	
Ohio	9	1	3	33	7				?		9	6				?													
Oklahoma	2	2			5				6	?		4	5	?		?	?												
Oregon																													
Pennsylvania												4																	
Rhode Island																													
South Carolina												6																	
South Dakota																													
South Dakota																													
Tennessee	1	1			4				5	5		5	6	5															
Texas	4	2		?					5	?		6	?																
Utah												1																	
Vermont																													
Virginia																													
Washington																													
West Virginia																													
Wisconsin																													
Wyoming												3																	
Alaska																													
Puerto Rico																													
Virgin Islands																													
Hawaii																													
Pacific																													

REFERENCE NOTES

- † Storm damage categories are from 1 to 9 as follows:
- 1 Less than \$50
 - 2 \$50 to \$500
 - 3 \$500 to \$5,000
 - 4 \$5,000 to \$50,000
 - 5 \$50,000 to \$500,000
 - 6 \$500,000 to \$5 Million
 - 7 \$5 Million to \$50 Million
 - 8 \$50 Million to \$500 Million
 - 9 \$500 Million to \$5 Billion

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

Definition of Fujita Tornado Scale (F scale)

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

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

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

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

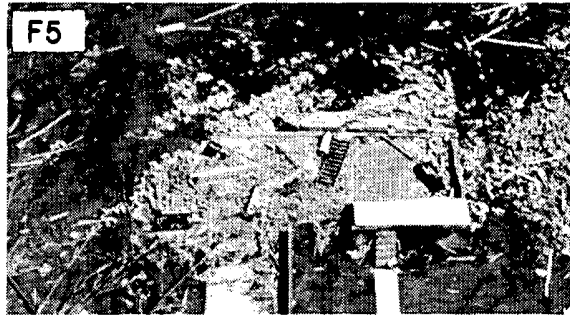
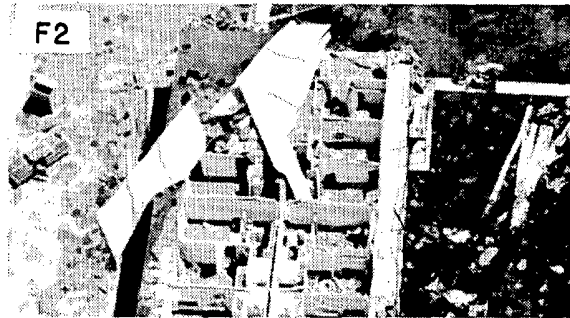
(F4) Devastating tornado (207-260 mph): Devastating damage
Well-constructed houses leveled; structure with weak foundation blown off some distance; cars thrown and large missiles generated.

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

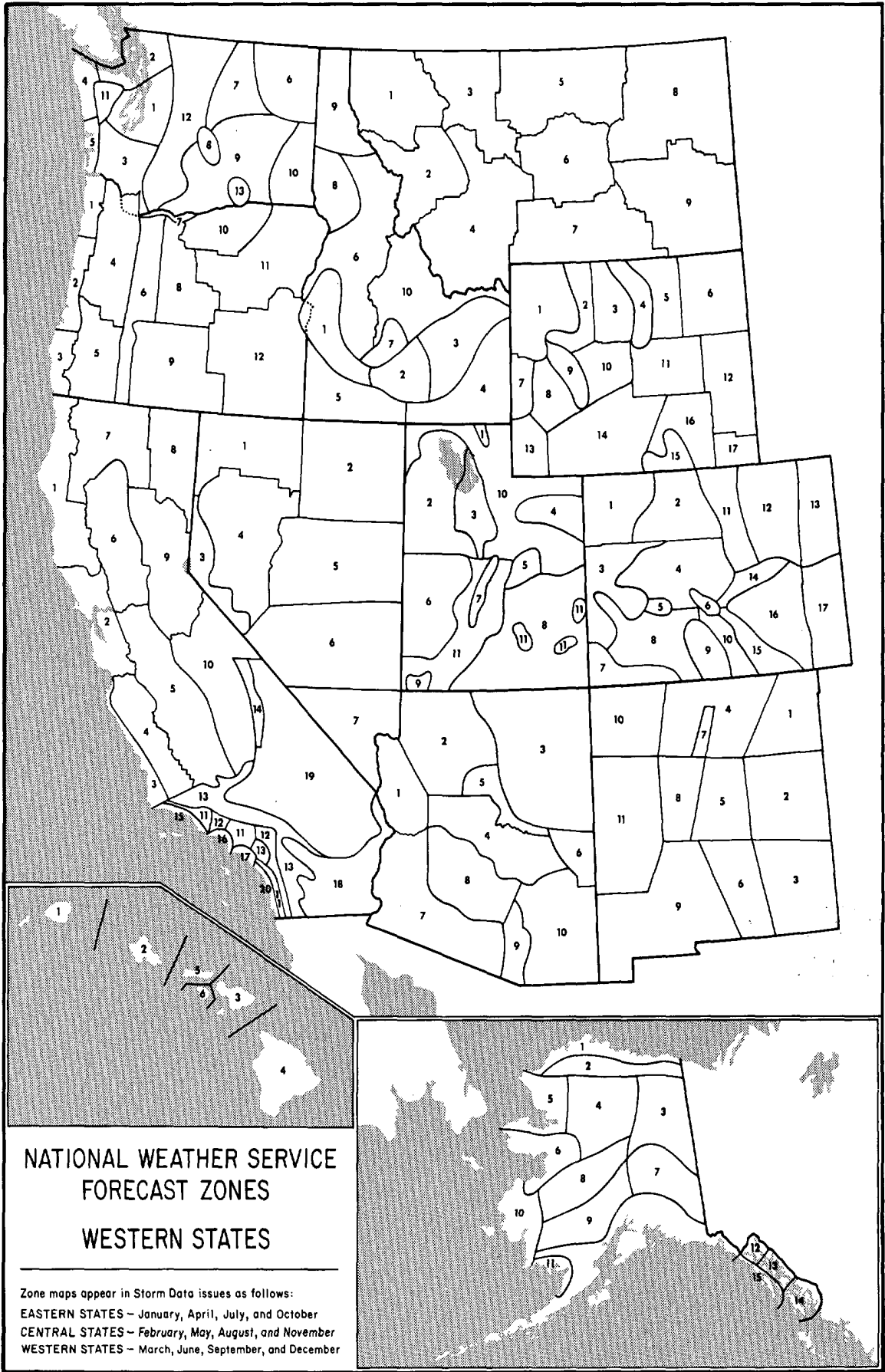
(F6-F12) (319 mph to Mach 1, the speed of sound):
The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

(F0+F1) *Weak Tornado*
(F2+F3) *Strong Tornado*
(F4+F5) *Violent Tornado*

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