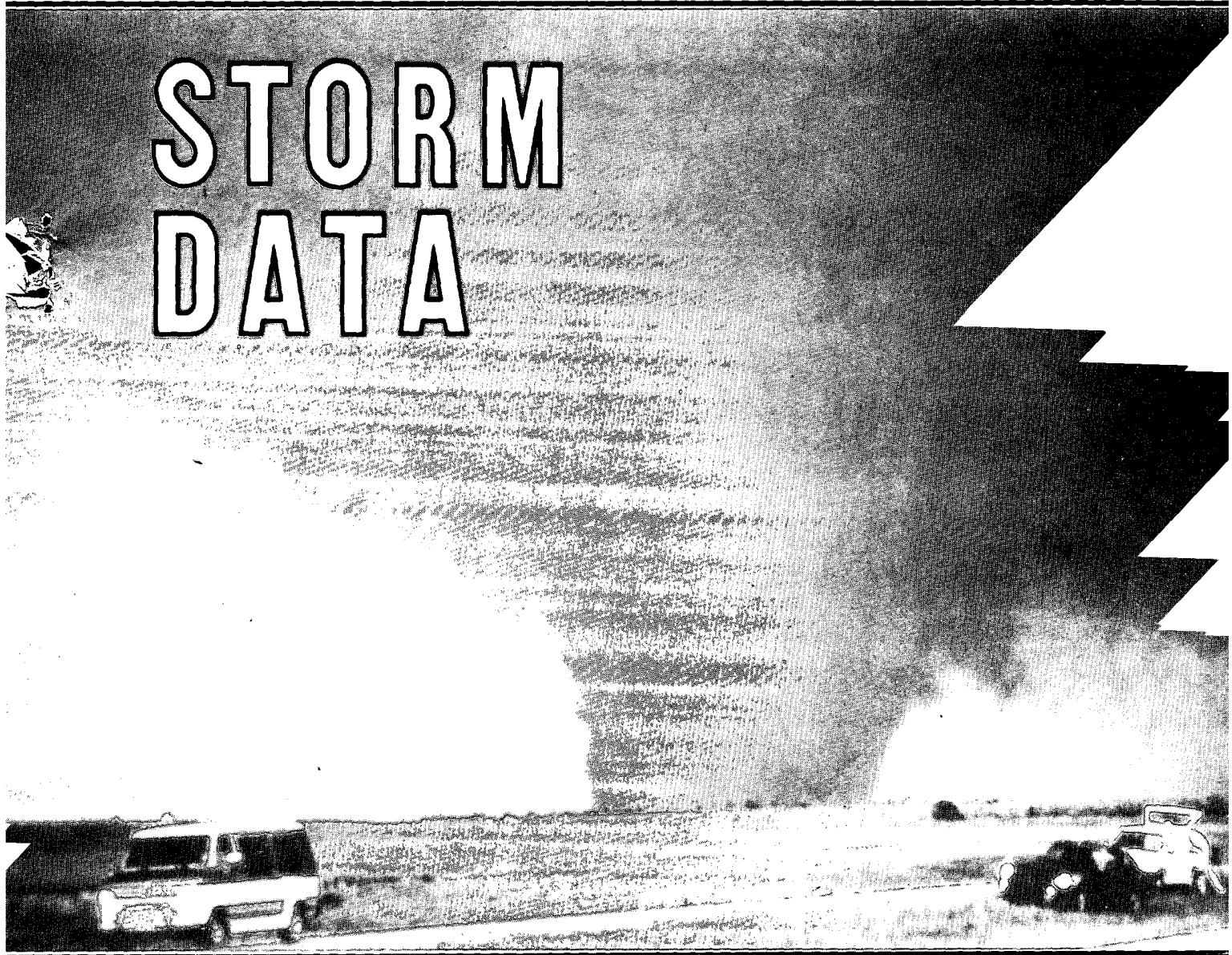


APRIL 1991
VOLUME 33
NUMBER 4

STORM DATA



AND UNUSUAL WEATHER PHENOMENA
WITH LATE REPORTS AND CORRECTIONS



noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE / NATIONAL CLIMATIC DATA CENTER ASHEVILLE, N.C.

COVER: Looking northwest at the F4 Red Rock (Oklahoma) tornado approaching Interstate 35 (near Ceres, Oklahoma). The tornado is about 2 miles from the photo site. According to the photographer (a tornado and severe weather expert, and accomplished storm chaser), this tornado "easily had the most violent motions that I have seen in 20 years of storm chasing." (Photo courtesy and ©: Alan Moller; NWSFO Fort Worth, Texas.)

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STORM DATA

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National Climatic Data Center

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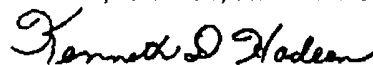
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The editors of **STORM DATA** solicit your help in acquiring photographs (prints or slides; black and white, or color), maps, clippings, etc. of significant or unusual weather events (past or present). These could be for use in the "Outstanding Storms of the Month" or "Et Cetera" sections of **STORM DATA**. We request our subscribers or other interested persons to mail such items to:

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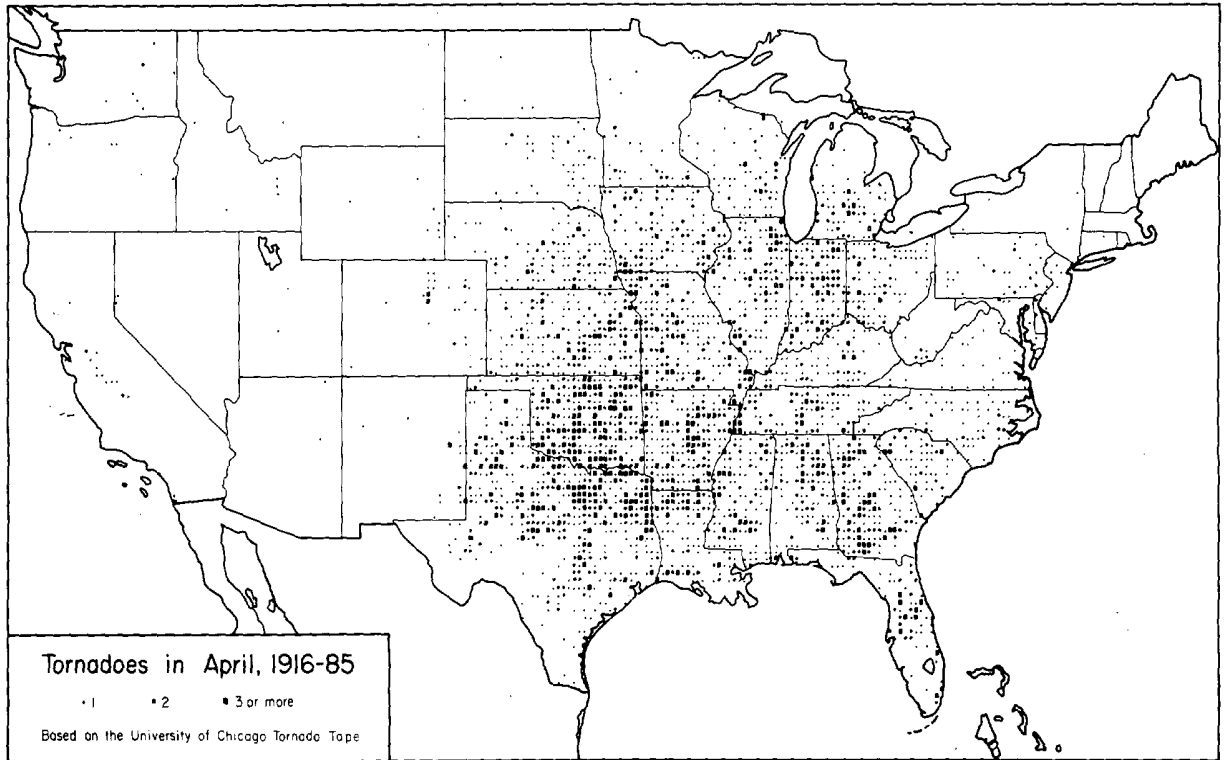
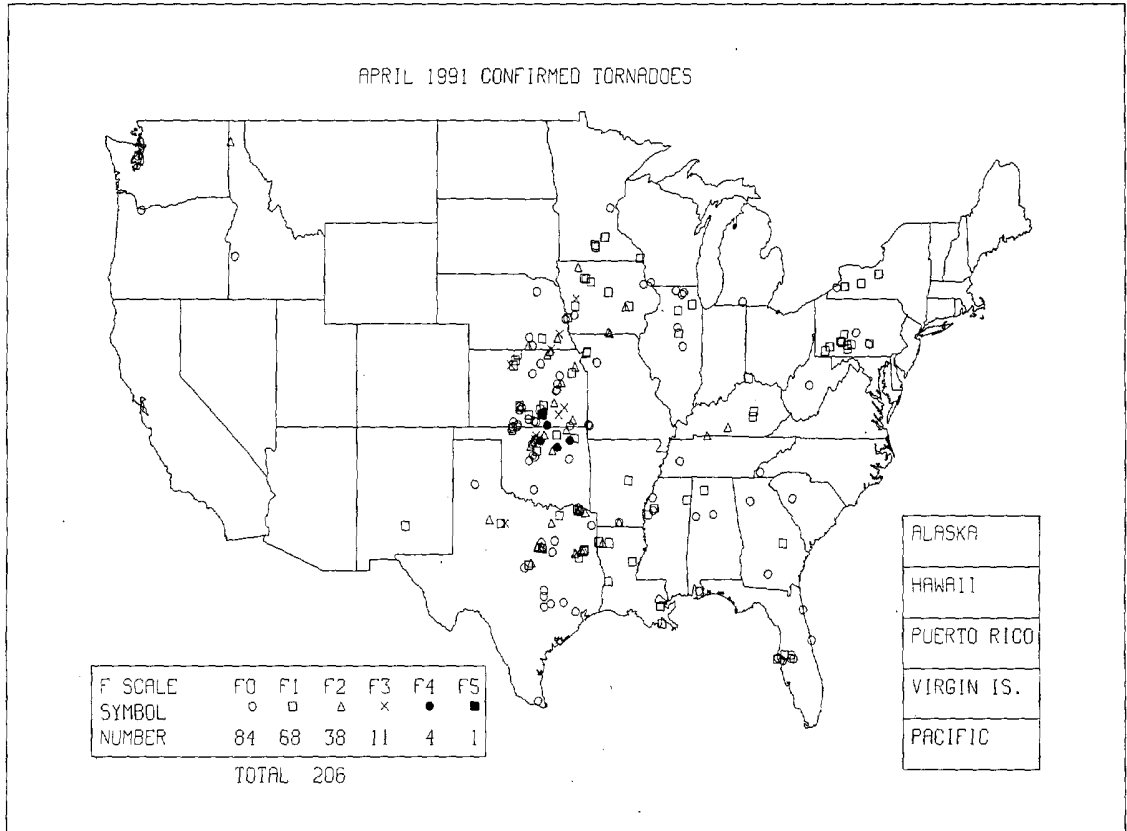
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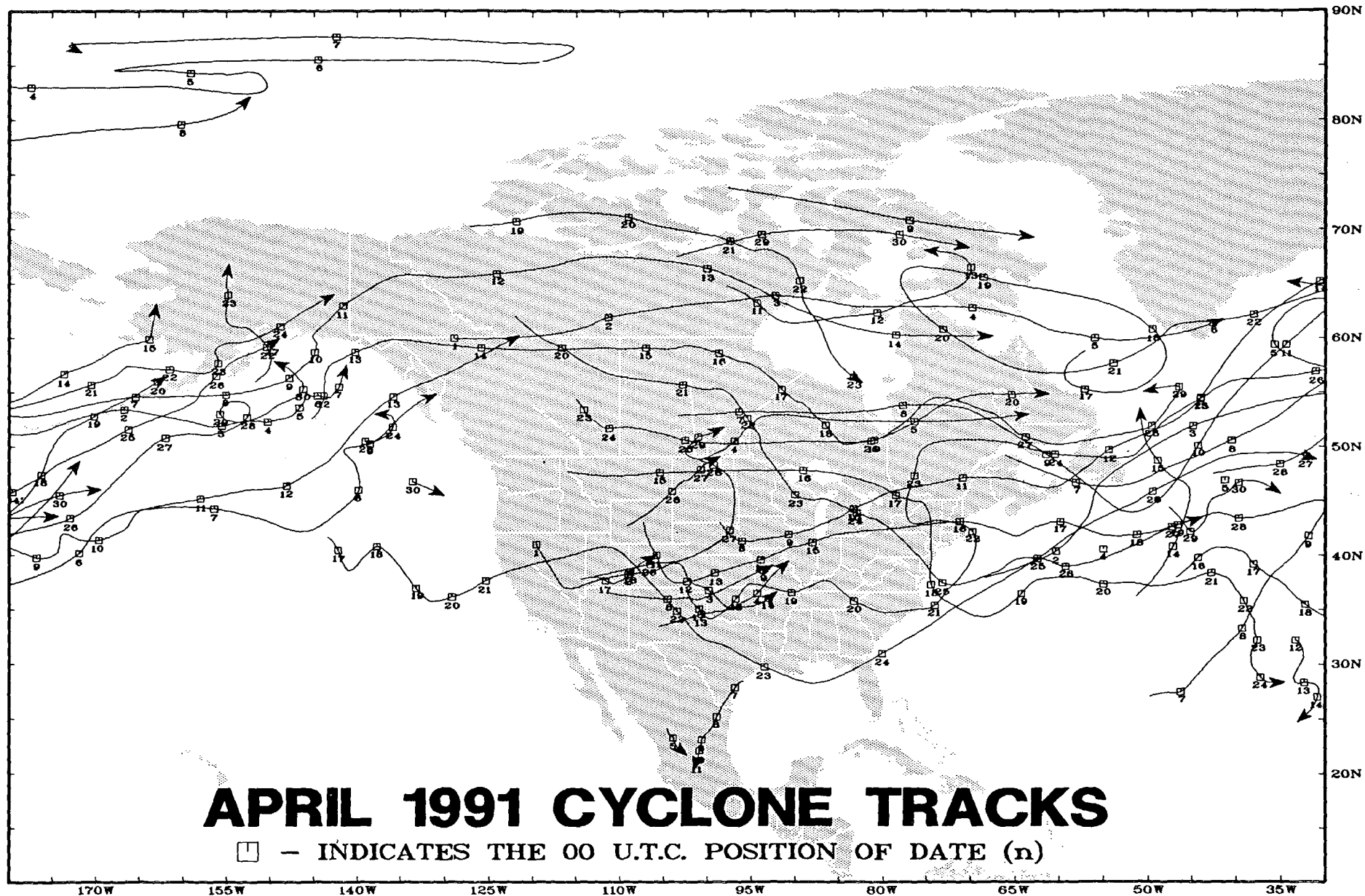
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Director
National Climatic Data Center

OUTSTANDING STORMS OF THE MONTH





APRIL 1991 CYCLONE TRACKS

□ - INDICATES THE 00 U.T.C. POSITION OF DATE (n)

1. PRECIPITATION AND TEMPERATURE ANOMALIES - APRIL 1991

Table 1 shows the April 1991 temperature and precipitation rankings (97-year period of record) for the nine climatically homogeneous regions shown in Fig. 1. Most of the nation experienced a warmer than normal April (Fig. 2)—making this the 20th warmest April of record for the country as a whole. Significant negative departures (below -2°F) were limited to portions of the west-central Rockies, northern Great Basin, and southern Cascades. Much of the northern third of the country received above normal precipitation, as did most of states from eastern Texas and Oklahoma to the east coast (Figs. 3 and 4 on page 6). On an areally averaged basis, this was the ninth wettest April of record. The monthly total of 21.84 inches at Shreveport, Louisiana, became its new April record, and exceeded the normal (4.71) by 464 percent. Minden, Louisiana (30 miles east of Shreveport), received a monthly total of 33.91 inches of rain (which was also the greatest monthly total for all 50 states). The average yearly rainfall in northern Louisiana is about 50 inches.

TABLE 1. Temperature and Precipitation Rankings for April 1991, Based on the Period 1895-1991.
 1 = Driest/Coldest, 97 = Wettest/Hottest.

Region	Precipitation	Temperature
Northeast	60	92
East North Central	94	84
Central	64	87
Southeast	79	93
West North Central	84	62
South	88	81
Southwest	20	38
Northwest	69	31
West	21	34
National	89	78

From National Climatic Data Center

Fig. 1

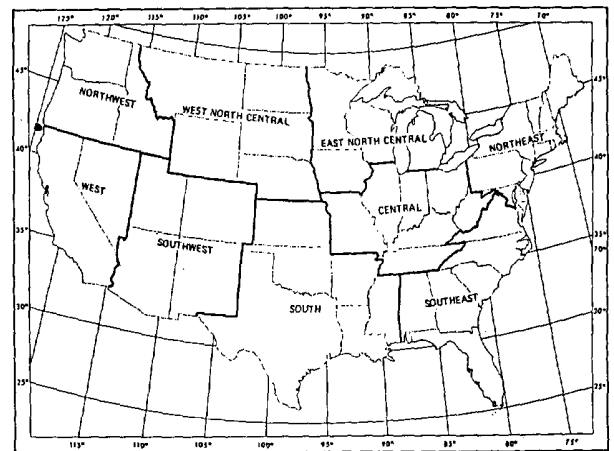
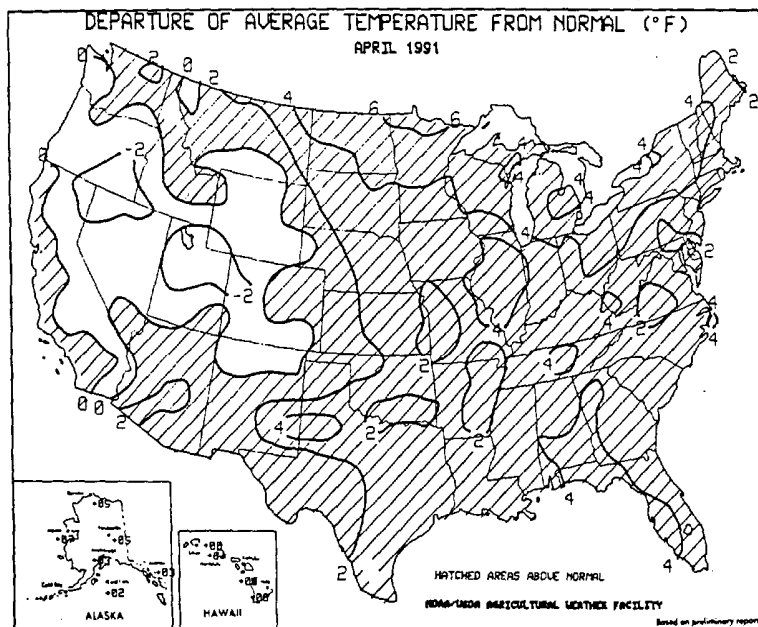


Fig. 2



Reprinted from *Weekly Climate Bulletin* May 11, 1991

Fig. 3

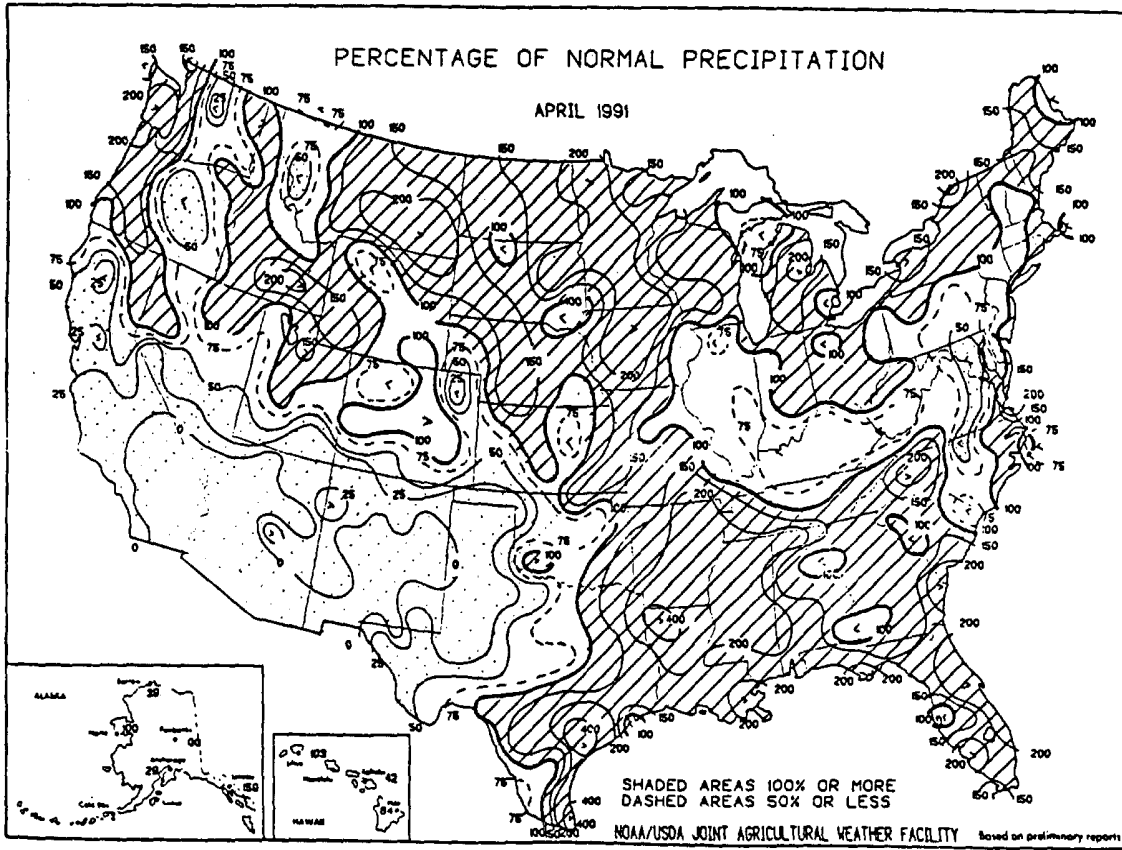
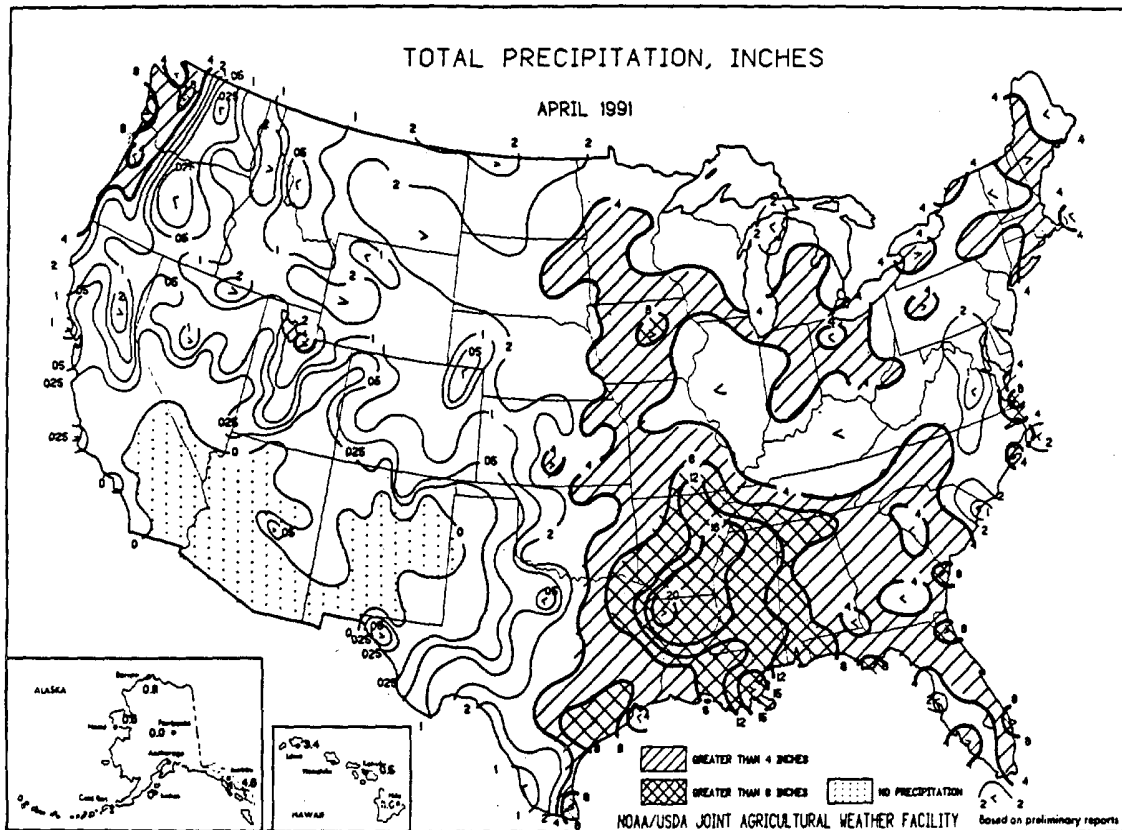


Fig. 4



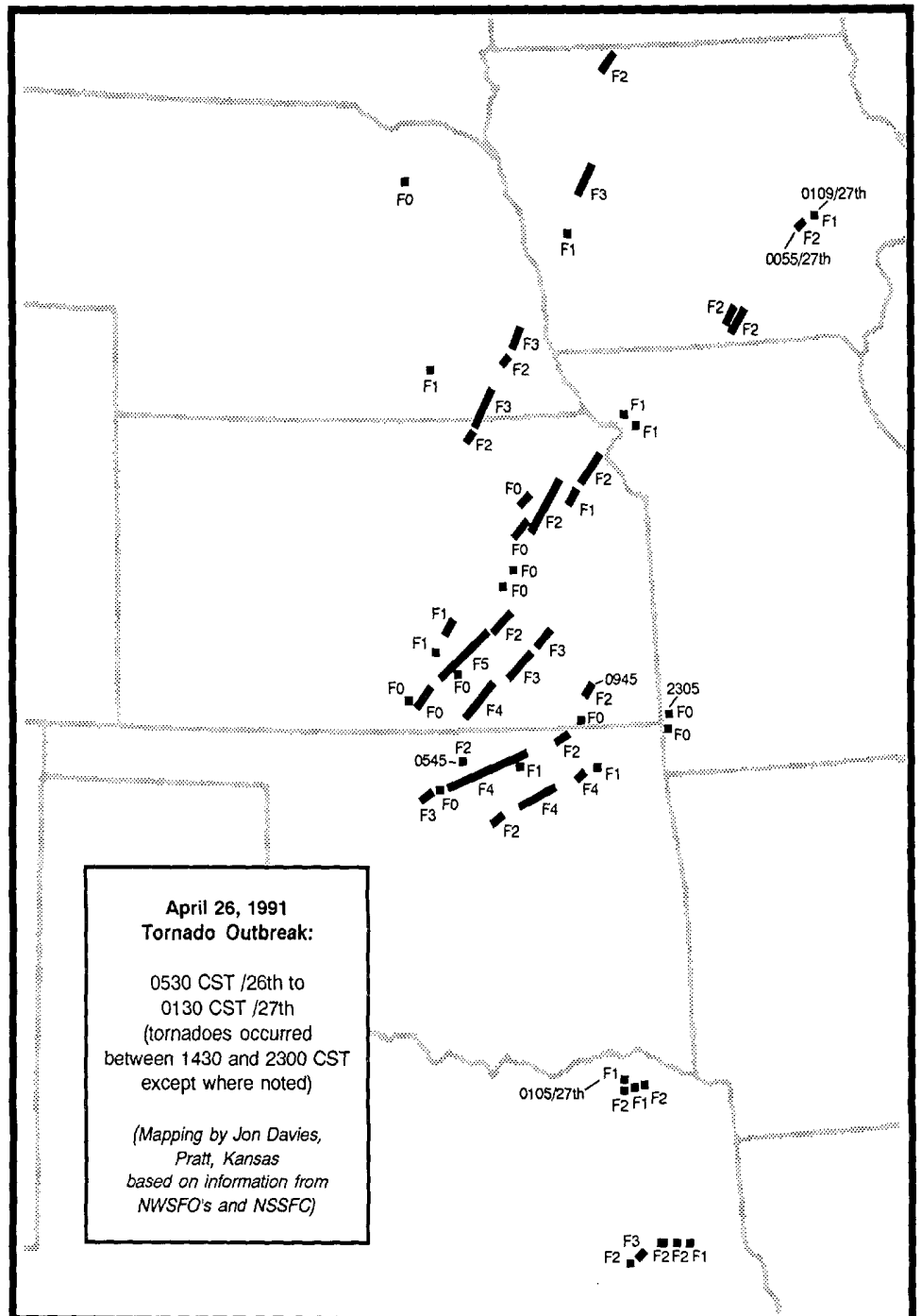
Above figures reprinted from *Weekly Weather and Crop Bulletin* - May 7, 1991

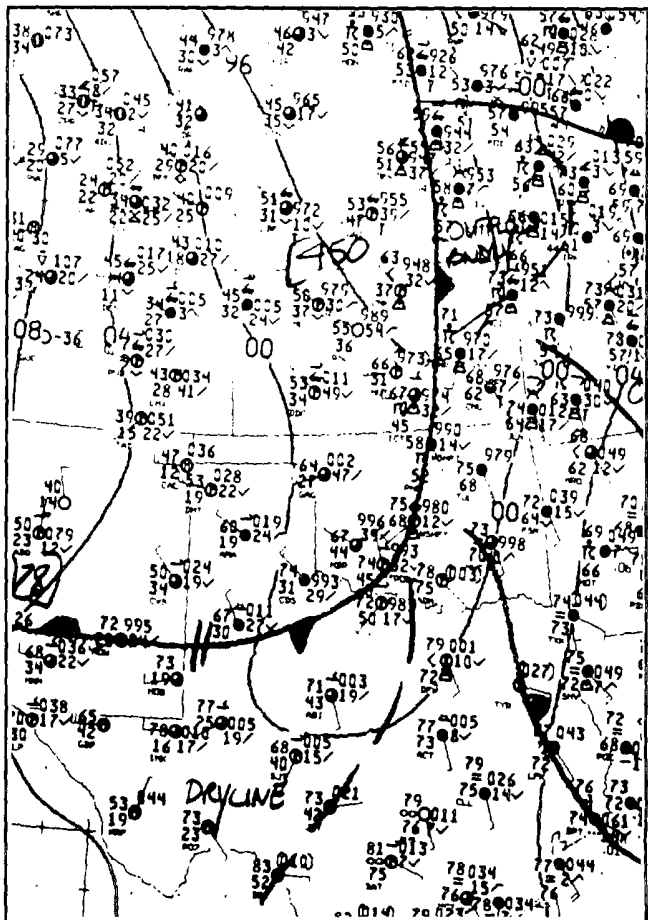
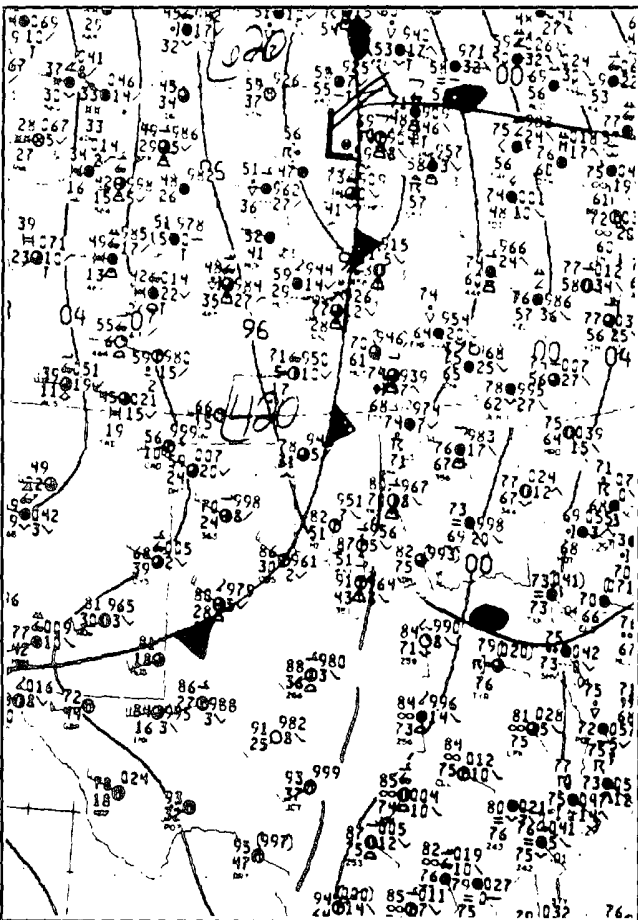
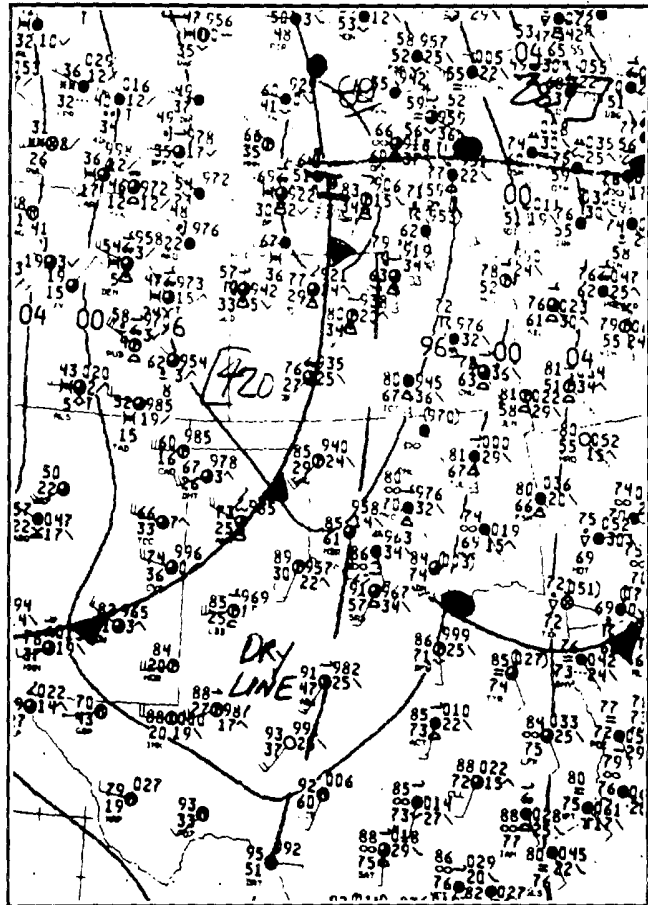
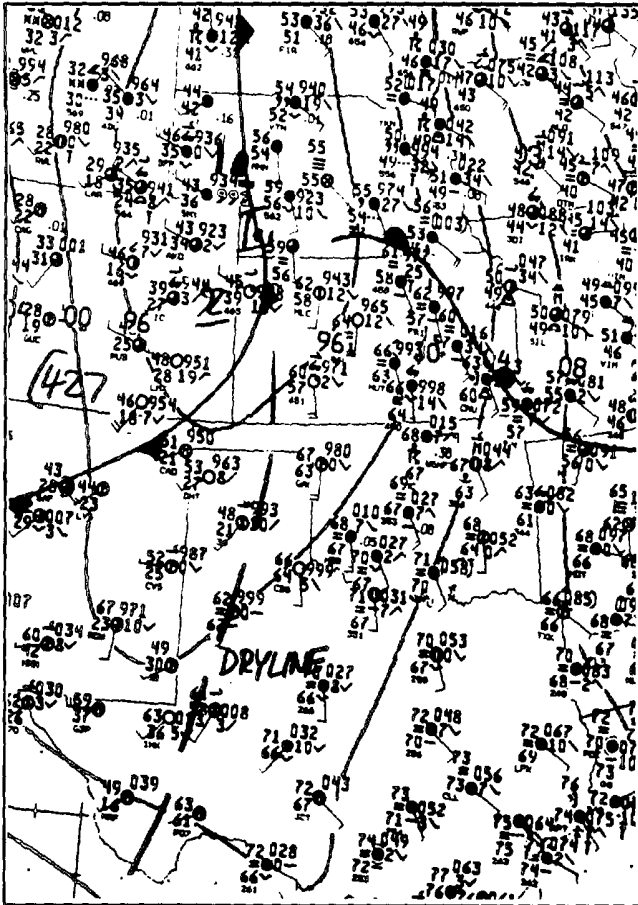
2. APRIL 1991 TORNADOES

April 1991 produced 206 tornadoes (two border crossers)—well above the 1953-1990 mean of 104 tornadoes. Of the monthly total of 206 tornadoes, 152 were classified as being weak (F0 and F1); 49 were classified as strong (F2 and F3); and 5 were listed as violent (F4 and F5). Although there were several significant tornado outbreaks during the month, the only fatalities (21) occurred on April 26th. The total of 21 fatalities is slightly below the 1953-1990 April mean of 31. As a matter of comparison, 129 tornadoes in April 1965 caused 267 deaths, while in April 1974, 269 tornadoes were responsible for 313 deaths.

A. TORNADOES OF APRIL 26, 1991

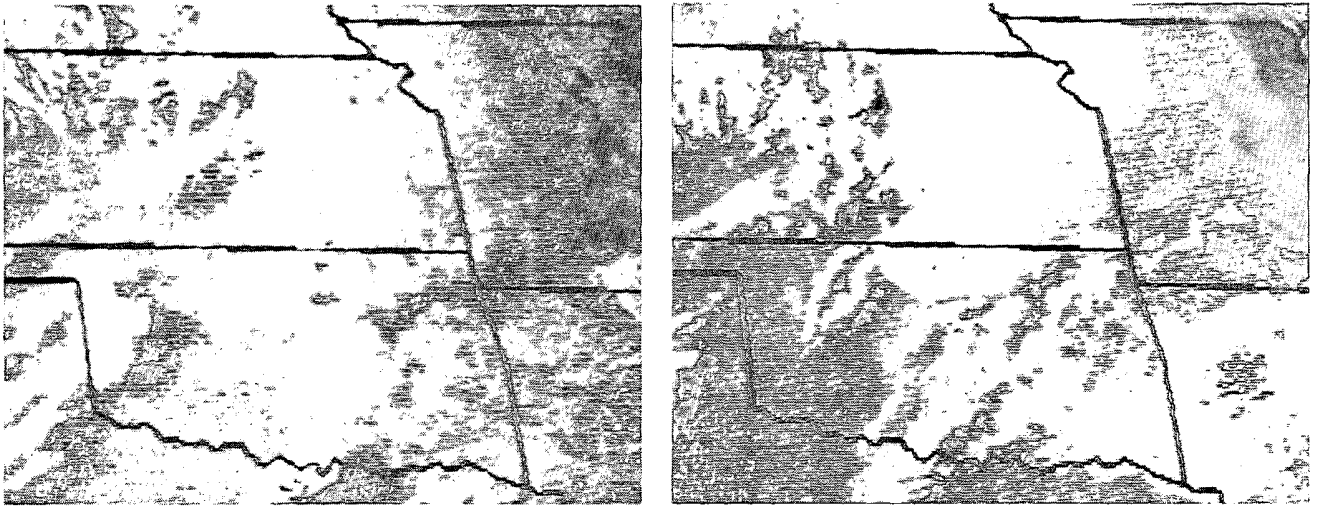
The tornado outbreak of April 26th (which includes two morning touchdowns on the 26th and three very early morning touchdowns on the 27th) produced all of the month's tornado fatalities and violent tornadoes. Of the 206 April 1991 tornadoes, 55 occurred during this outbreak (locations shown on the accompanying map). The 55 tornadoes break down into the following F scale categories: 12 F0, 13 F1, 18 F2, 7 F3, 4 F4, and 1 F5. Although 21 people died, the warnings of severe weather were generally excellent. In several cases, warnings were received but not heeded by individuals whom became fatalities. For example: a video tape shows an Andover, Kansas, police car with siren at times wailing, driving through the Golden Spur Mobile Home Park (where 13 fatalities occurred) several minutes before it was literally leveled by an F5 tornado; several people are seen nonchalantly going about their way, even though at times the video shows the tornado bearing down on the park. East of Winfield, Kansas, a lady died in her mobile home, even though she had received warning from other residents of a tornado.



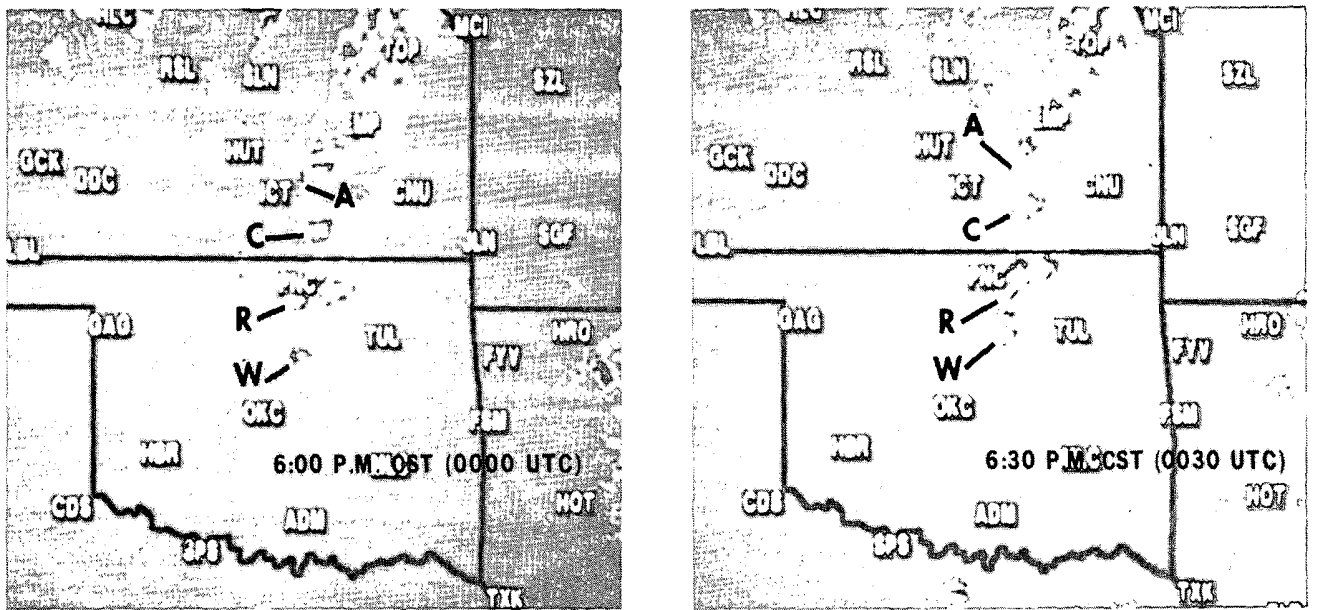


Opposite page: April 26, 1991, surface maps at 6:00 a.m. CST (1200 UTC); 3:00 p.m. CST (2100 UTC); 6:00 p.m. CST (0000 UTC on the 27th); and 9:00 p.m. CST (0300 UTC on the 27th). (Maps courtesy: National Climatic Data Center.)

The maps on the opposite page show the surface meteorological features prior to and during the most significant part of the tornado outbreak. At 6:00 a.m. CST, a deep surface low pressure was centered over southwestern Nebraska; the dry line extended southward into southwestern Texas. East of the dry line, dewpoints in the 60s were widespread, while west of the dry line, dewpoints were in the 20s and 30s. By 3:00 p.m. CST, the low pressure center and dry line had moved eastward; two F2 tornadoes formed along the dry line in Washington County (Kansas) just prior to 3:00 p.m. CST; the second tornado strengthened into an F3 storm as it moved northeast into Nebraska's Gage County. By 6:00 p.m. CST, the Wichita-Andover (Kansas) F5 tornado had just killed 17 people along its 45-mile-long path; huge supercell tornadoes of F4 intensity were on the ground in Cowley County (Kansas) and in Oklahoma's Noble County ahead of the dry line. By 9:00 p.m. CST, the last violent tornado of the outbreak had just lifted after causing major damage northeast of Tulsa, Oklahoma, in and near Oologah, Oklahoma.



Above (two pictures): Visible satellite pictures at 5:31 p.m. CST (2331 UTC) and 6:31 p.m. CST (0031 UTC on the 27th). (Courtesy: Mike Morgan of KOCO-TV; Oklahoma City, Oklahoma. The two composite NOWrad® pictures on this page courtesy of WSI Corporation (Billerica, MA) from video provided by THE WEATHER CHANNEL®.)

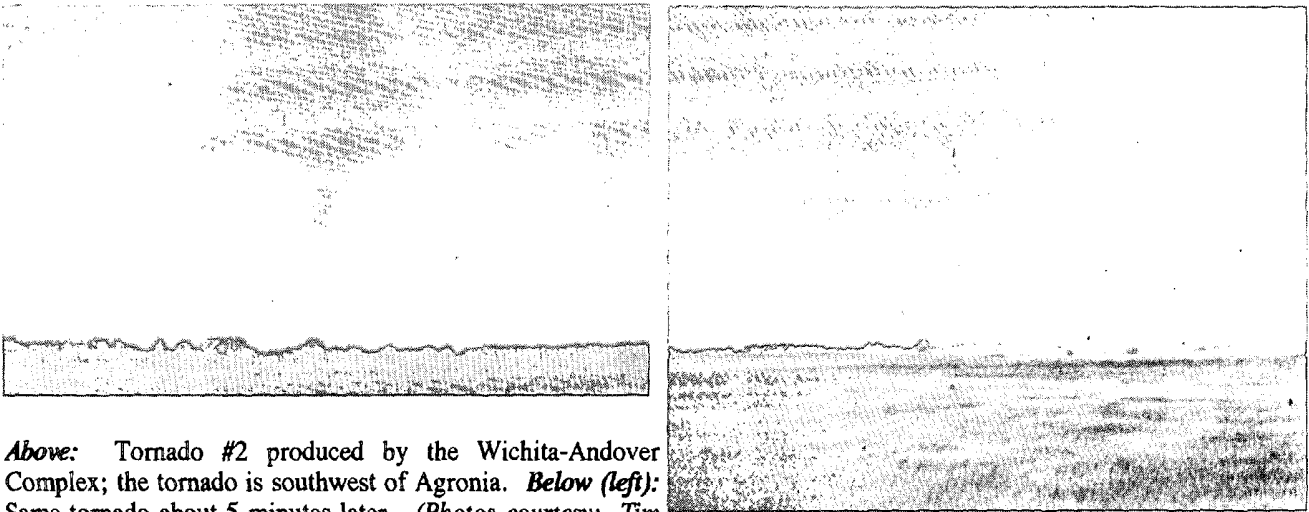


The regional radar pictures above show the thunderstorm complexes which produced the violent tornadoes (F4 and F5) of the April 26th outbreak. The complexes are named for towns or counties on or near the site of some of the most significant activity. The following letters are used to identify the complexes:

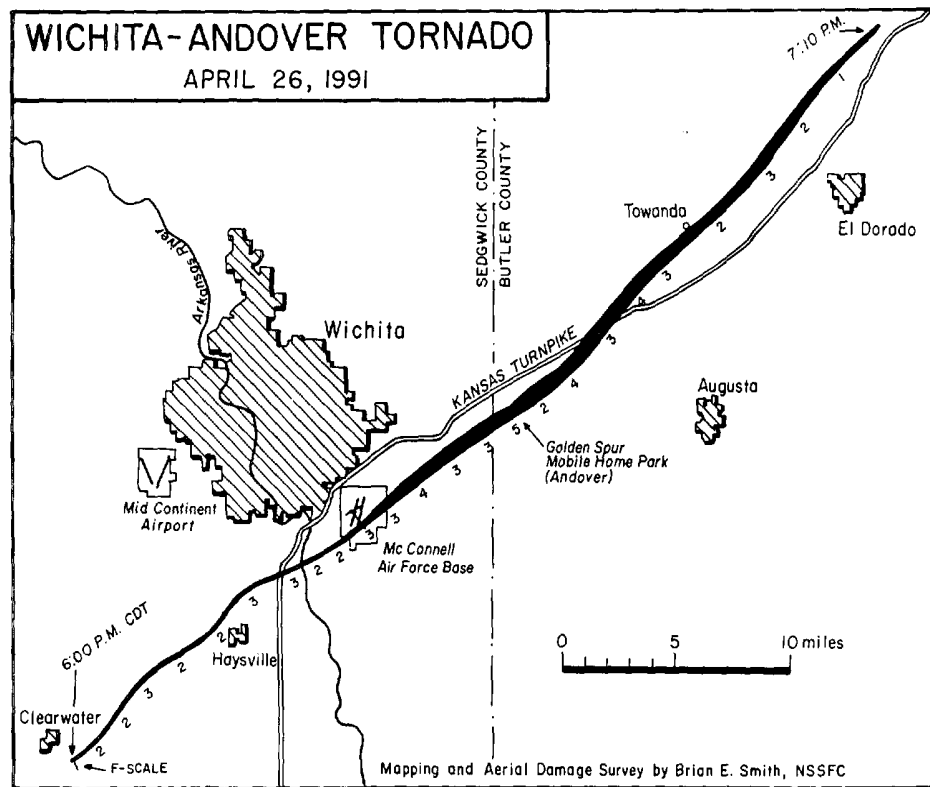
- | | |
|---------------------------|------------------------------|
| A Wichita-Andover, Kansas | R Red Rock (near), Oklahoma |
| C Cowley County (Kansas) | W Westport-Oologah, Oklahoma |

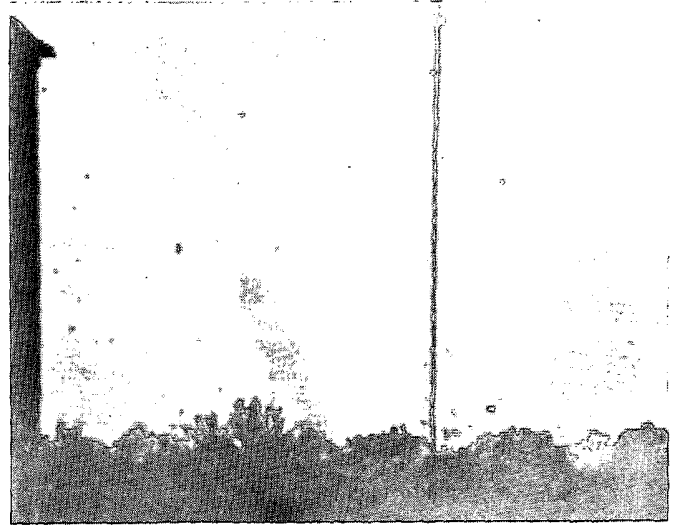
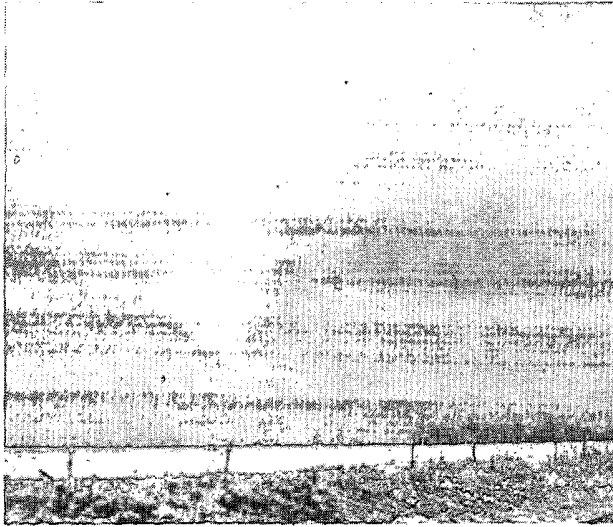
WICHITA-ANDOVER (KANSAS) TORNADO COMPLEX

The Wichita-Andover Complex produced four tornadoes; the third of which (Wichita-Andover tornado; see map below) was by far the most destructive of the four, and the only killer tornado of the complex. It killed 17 people (13 in Andover at the Golden Spur Mobile Home Park), and injured at least 225 as it tracked 46 miles across Sedgwick and Butler Counties. It caused \$62 million damage to Wichita's McConnell Air Force Base; the damage could have been much higher as it missed a flight line of B-1B bombers by 1,000 feet. It produced F5 damage to several houses in a subdivision just west of the Golden Spur. Experienced tornado damage surveyors said the damage to the mobile home park was among the worst they had ever seen. A vehicle found in a field one-half to three-quarter mile northeast of the Golden Spur was so badly damaged it could not be determined if it were a car or a truck.

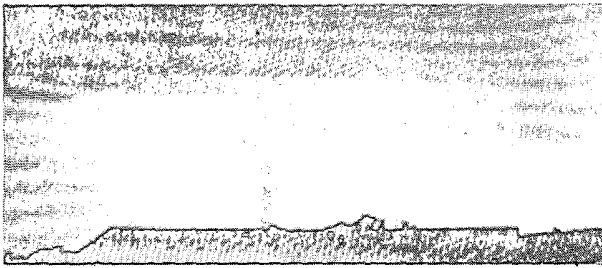


Above: Tornado #2 produced by the Wichita-Andover Complex; the tornado is southwest of Agronia. **Below (left):** Same tornado about 5 minutes later. (Photos courtesy: Tim Marshall; Lewisville, Texas.) **Above (right):** The wall cloud (near Conway Springs) from which tornado #3 (the Wichita-Andover tornado) eventually developed. (Photo courtesy: Carson Eads; Allen, Texas.)

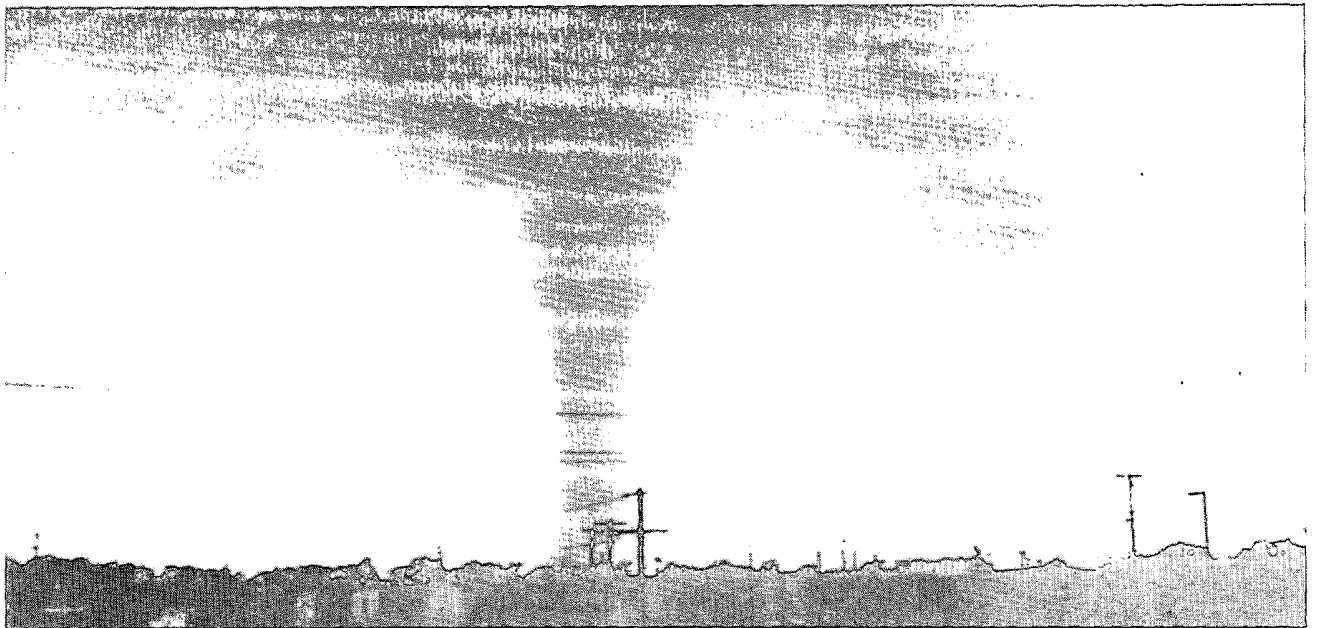




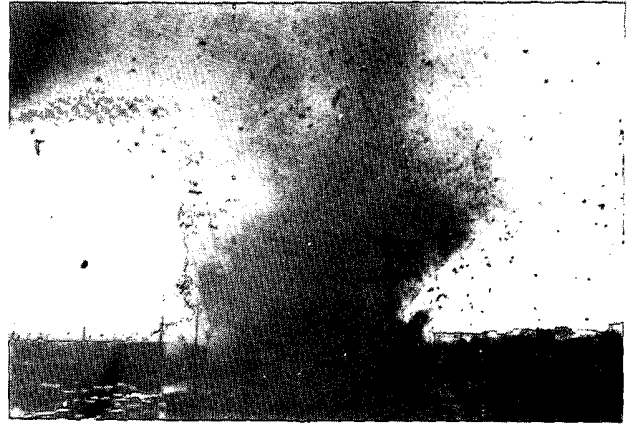
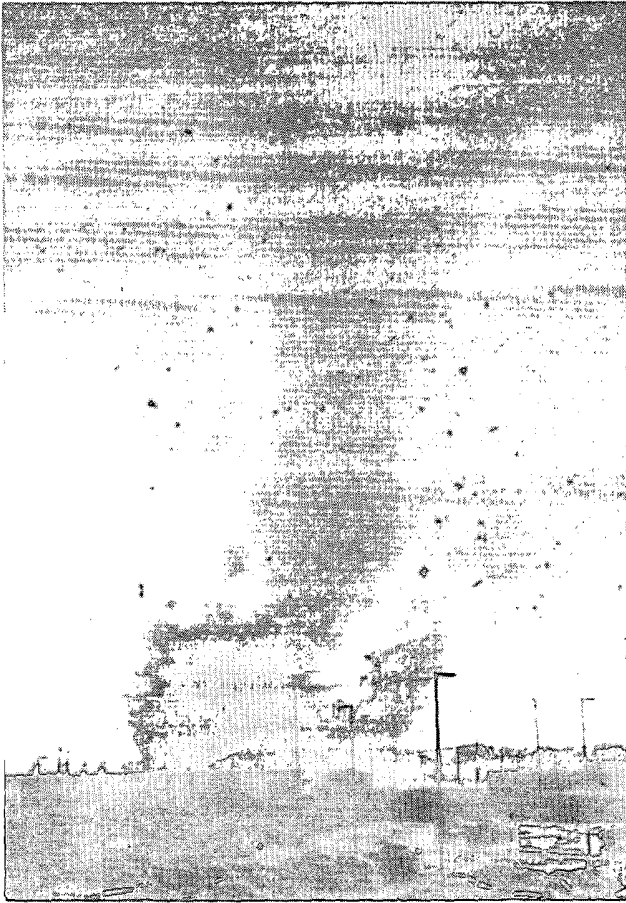
Above (left): Tornado #3: Just north and east of Clearwater, the Wichita-Andover tornado (already a multiple vortex tornado) a few minutes after touchdown. (Photo courtesy: Carson Eads; Allen, TX.) **Above (right):** Debris from destroyed homes near 55th Street South and Broadway. (Photo courtesy and ©: Jon Davies; Pratt, KS.)



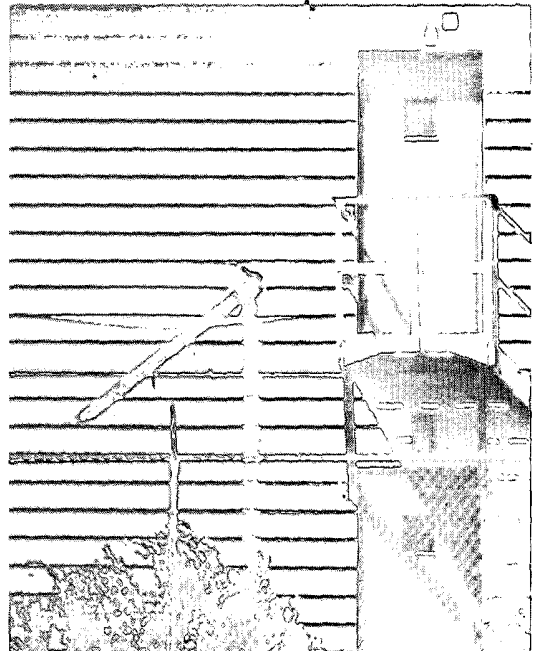
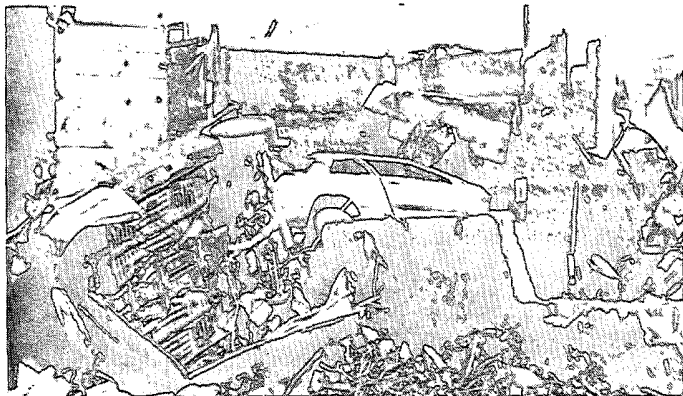
Above: Looking southwest from 47th Street South and I-135 (in Wichita) as the tornado passed through the northwestern section of Haysville. **Right:** Looking south at tornado crossing I-35 (Kansas Turnpike) one-half mile south of the toll booth. (Photos courtesy and ©: Jon Davies; Pratt, KS.)



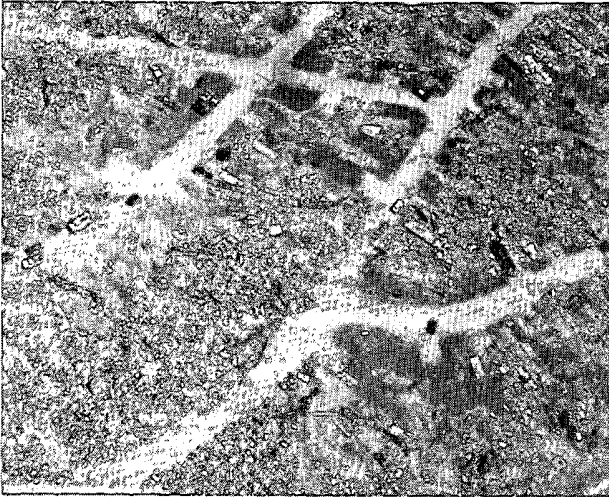
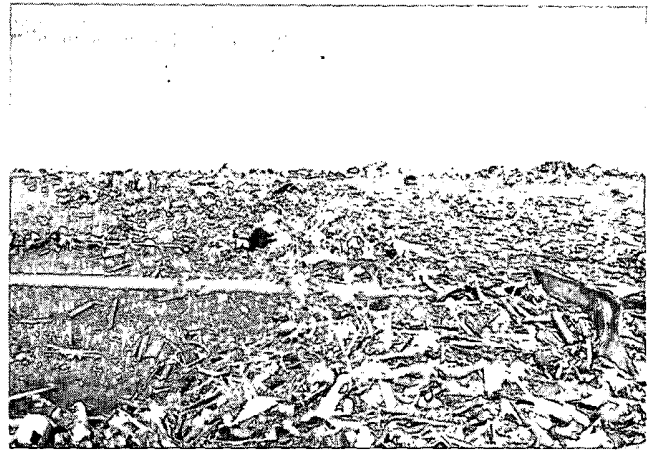
Tornado approaching McConnell Air Force Base. (Tornado photos Official U.S. Air Force photos courtesy: Base Visual Support Center, OLS, DET 1, 1360 AVS (Combat Camera), McConnell AFB, KS; supplied by TSgt John W. Archambeau.)



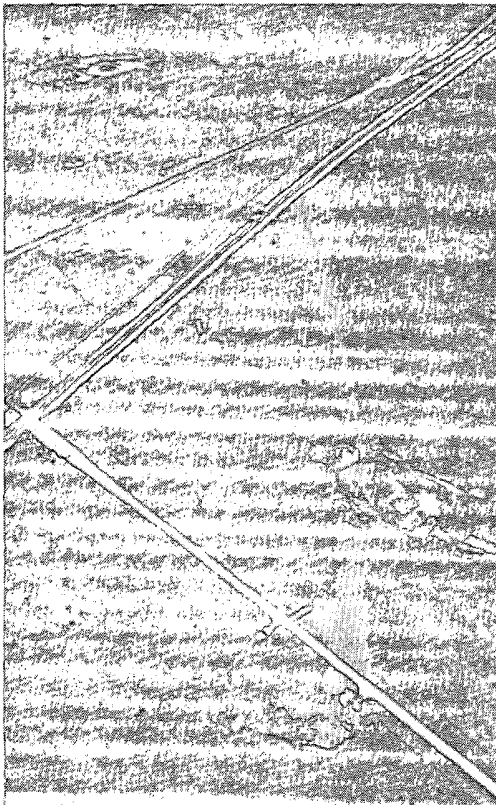
Left and above (top): Tornado crossing McConnell Air Force Base (Tornado photos Official U.S. Air Force Photos, courtesy: Base Visual Support Center, OLS DET1, 1360 AVS (Combat Camera), McConnell AFB, KS; supplied by TSgt. John W. Archambeau). *Right (bottom):* Tornado damage to the southeastern corner of a grade school at McConnell AFB. (Photo courtesy: Richard Elder; MIC-WSO, Wichita, KS.)



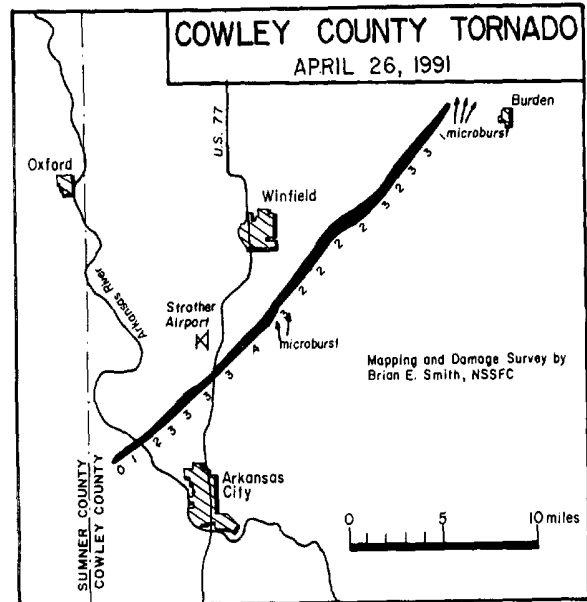
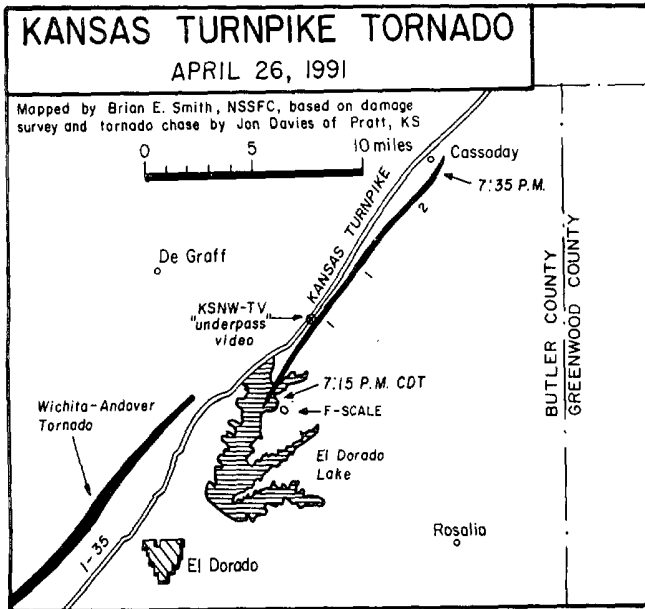
Left (two photos): Damage to facilities on McConnell AFB. (Official Air Force photos courtesy: A1C Jason P. White; OLS, DET1, 1360 AVS; McConnell AFB, KS). *Above:* Debris which has penetrated the second floor of a barrack at McConnell AFB. (Photo courtesy: Richard Elder, MIC-WSO Wichita.)



Top (left): F4 and F5 damage in the Greenwich Heights Subdivision. (Photo courtesy and ©: Paul Bowen; Wichita, Kansas.) **Top (right):** Standing at the edge of the windrowed debris—looking west-southwest toward the subdivision. The Golden Spur Mobile Home Park is behind the photographer. The picture was taken on the morning of April 27th. (Photo courtesy: Denis Smith; Marietta, GA.) **Above (left):** Aerial photo of the Golden Spur (taken April 30th)—looking east-southeast. (Photo courtesy: Brian E. Smith; NSSFC Kansas City.) **Above (right):** Looking northeast, note the debris convergence from the subdivision and the Golden Spur. (Photo courtesy and ©: Paul Bowen; Wichita, Kansas.)



Left: Looking northeast at the 0.8-mile-long path of oil spilled from an oil tank that the tornado bounced and rolled west-northwest of El Dorado, KS. (Photo courtesy: Brian E. Smith; NSSFC Kansas City.) **Above (left):** The search for victims and the cleanup occur at the Golden Spur on the morning of the 27th. **Above (right):** Car blown from the Kansas Turnpike (I-35) and wrapped around a tree. It was not known what happened to the driver, no fatalities occurred here. (Photo courtesy: Topeka (KS) Capital-Journal.)

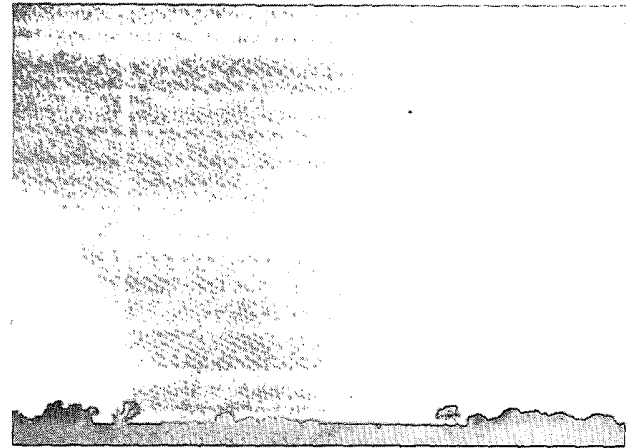
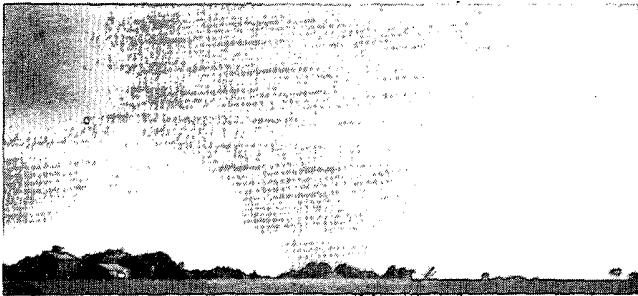
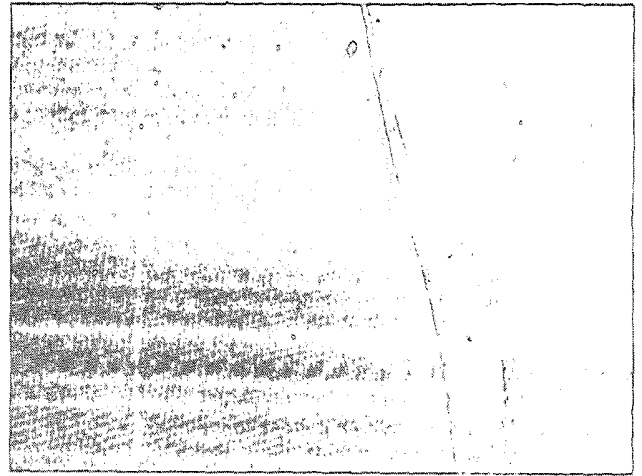
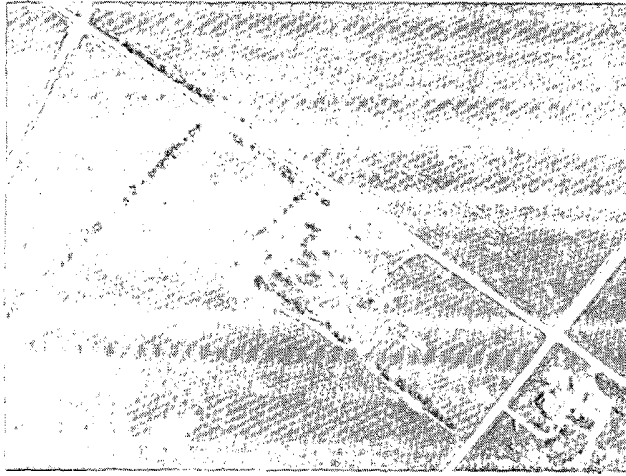


Above (right, left): Map of the Kansas Turnpike Tornado and the Cowley County Tornado. Left: Looking northeast from I-35 as a new tornado touches down over El Dorado Lake. (Photo courtesy: Jon Davies; Pratt, KS.)

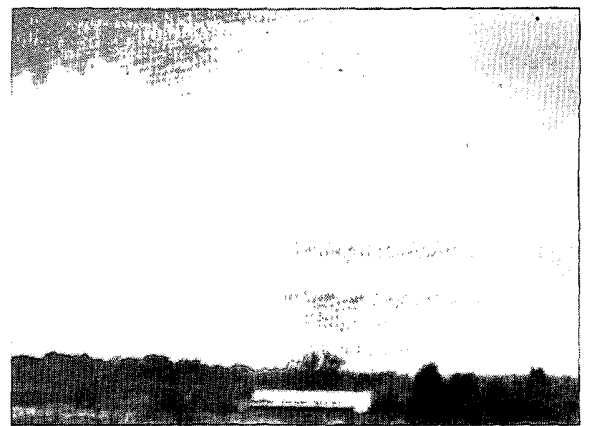
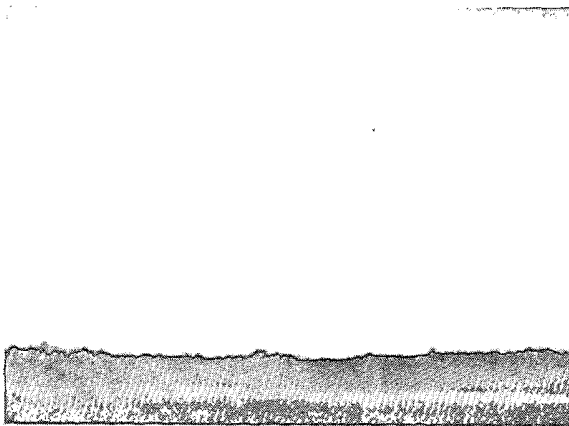
COWLEY COUNTY (KANSAS) TORNADO COMPLEX

At about the same time the Wichita-Andover tornado was departing McConnell Air Force Base, another thunderstorm complex to the south was producing its first of three tornadoes—just west-northwest of Arkansas City, Kansas. This first tornado of the Cowley County Complex (see map at top-right) was an F4 tornado. The same complex produced two more tornadoes (F3 storms) which travelled across parts of Elk, Greenwood, and Woodson Counties in Kansas. Below: Area east of Strother Field where F4 damage occurred. (Photo courtesy: Brian S. Smith; NSSFC Kansas City.)





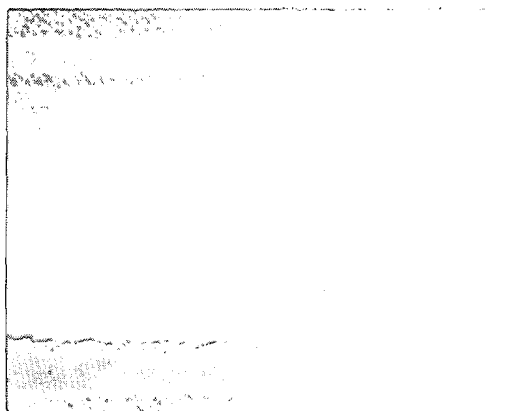
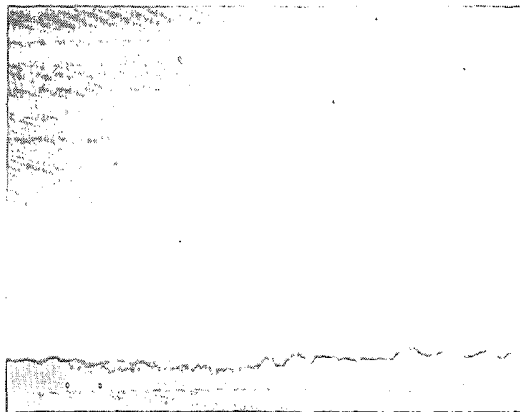
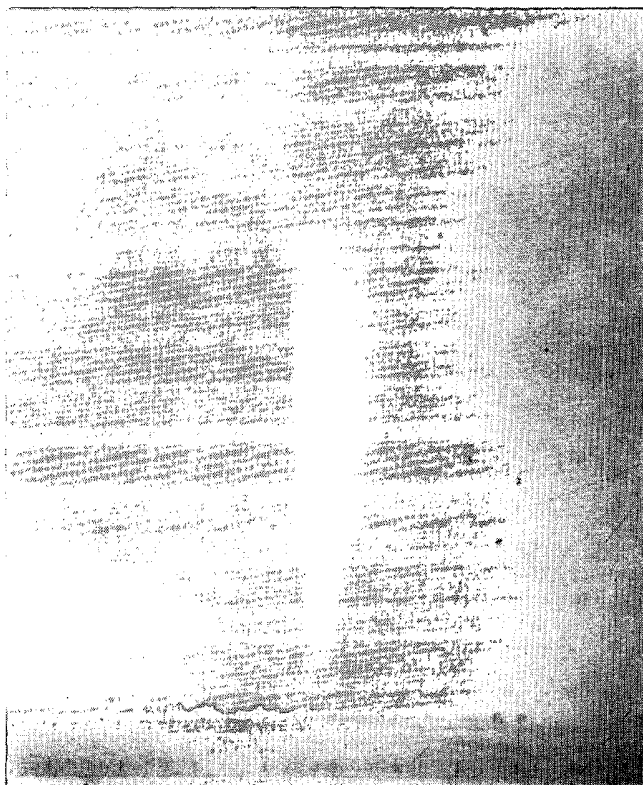
Top (Left): Scratch mark from a grain bin (?) or silo(?) tumbled by three separate suction vortices 2 miles south-southwest of Strother Airport. **Top (right):** Suction vortex marks in a field near Winfield. (Photos courtesy: Brian E. Smith; NSSFC Kansas City.) **Above (left and right):** Looking southwest and then west (from 5.5 miles east of Winfield near U.S. Highway 160). Hail to 3.5 inches diameter fell on the location, as did debris from the tornado. Some wind damage also occurred here; a house was destroyed within 0.5 mile of the photo site. (Photograph on the right was a zoom-in photo.) (Photo courtesy: Susie Light; Winfield, Kansas.)



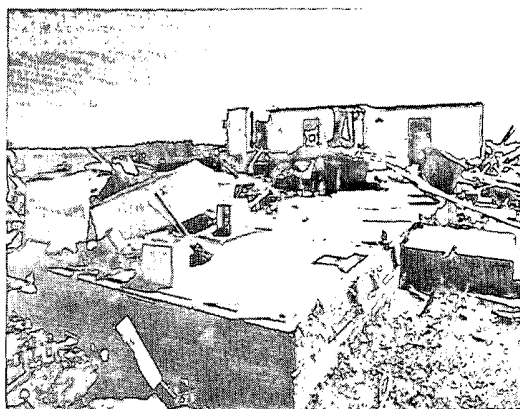
The second of the three tornadoes produced by the Cowley County Complex touched down 7 miles west of Howard (in Elk County). **Above (left):** Looking west-northwest from a site 4 miles north and 2 miles west of Howard, Kansas. The tornado is about 2.25 miles from the photographer. **Above (right):** Looking due north from the previous tornado photo site, the tornado is 4 miles north. In both photographs, the tornado was destroying homesites, one death occurred. (Photo courtesy: Phillip Finch; Howard, Kansas.)

RED ROCK (OKLAHOMA) TORNADO COMPLEX

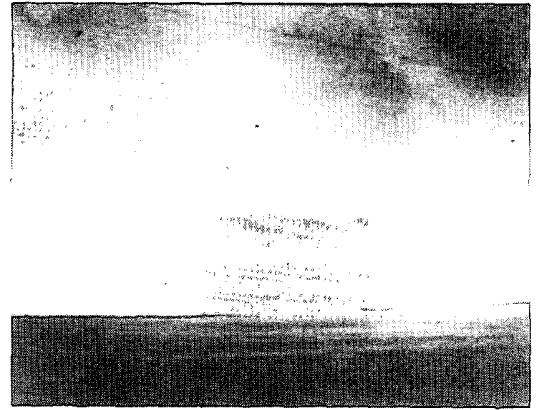
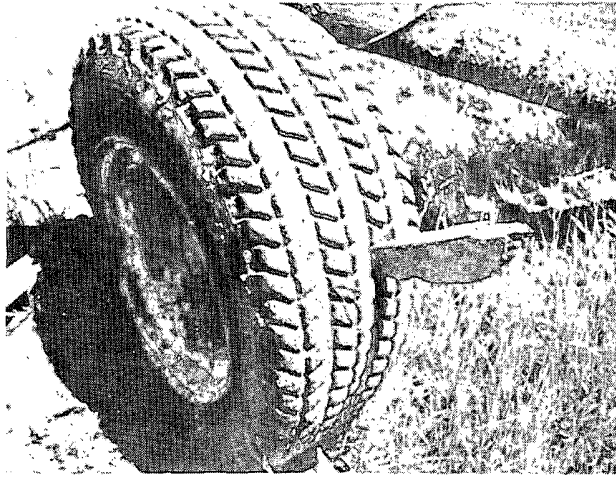
At the same time the first Cowley County (Kansas) tornado touched down (5:30 p.m. CST), the third tornado by the Red Rock complex of thunderstorms touched down 2.5 miles east of Garber, Oklahoma. This F4 tornado (the Red Rock tornado) had the longest path length (66 miles) of any tornado of the April 26th outbreak. Fortunately, the tornado followed a path that kept it from directly striking any towns; although six people were injured, no one was killed. However, the same supercell later produced a tornado which did kill one person at Copan, Oklahoma.



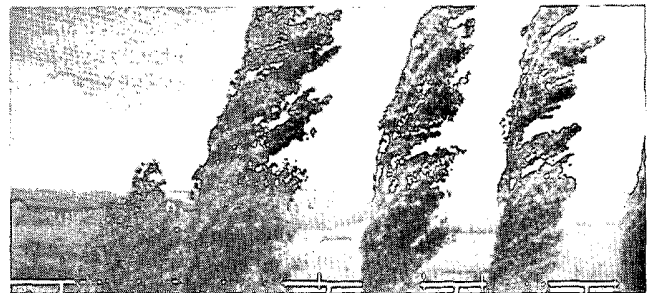
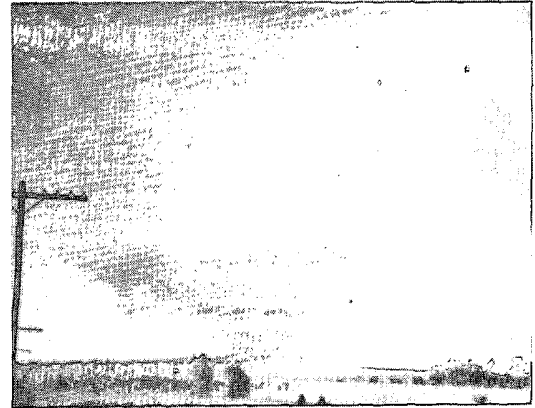
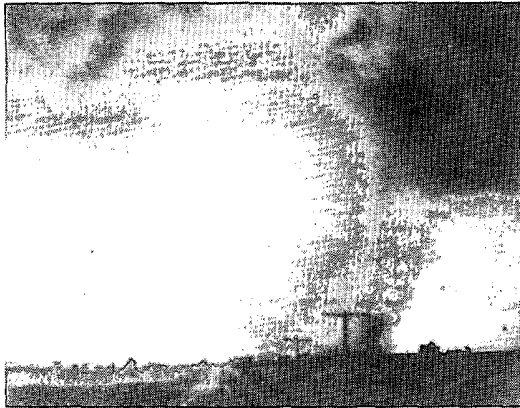
The first tornado (*above*) of the Red Rock Complex, located east-northeast of Woodring Municipal Airport. (Photo courtesy and ©: Pete Binazeski.) *Above right (top and bottom)*: Looking west-southwest from the intersection of I-35 on OK-15. (Photo courtesy and ©: Bill Barlow.)



Above (left): Destroyed house east-northeast of Garber. (Photo courtesy: Bill Bunting; NWSFO Norman, Oklahoma.) *Above (right)*: House damage just west of I-35. (Photo courtesy: Gene Rhoden; NSSL.)



Above (left): Timber missile through a tire displaced from a vehicle by the tornado. (Photo courtesy: Tim Marshall; Lewisville, Texas.) **Above (right):** Tornado just north of Ceres at 4:47 p.m. CST. (Photo courtesy and ©: Howard B. Bluestein; University of Oklahoma.) **Below (left):** Looking north as the tornado crosses U.S. Highway 77 north of Ceres. (Photo courtesy and ©: Jim Ladue; University of Oklahoma.) **Below (right):** Looking north-northeast at 5:52 p.m. CST. The tornado is three-quarters of a mile north of the photo site (2 miles north of Ceres). The wind speed at the photo site was estimated to be blowing 58 to 69 mph as the tornado passed to the north. (Photo courtesy and ©: Herb Stein; University of Oklahoma.)



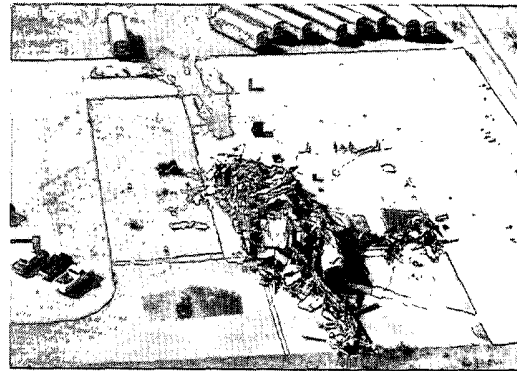
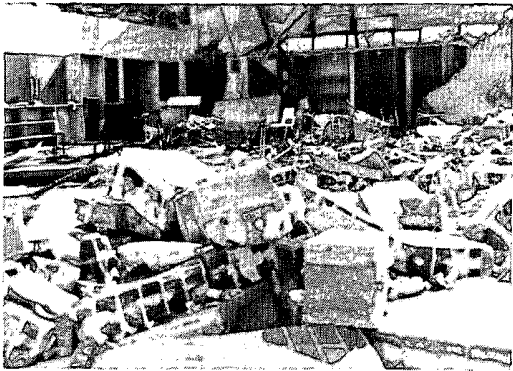
Above (left): The tornado between Marland and Red Rock. (Photo courtesy: Jeff Piotrowski; Broken Arrow, Oklahoma.) **Above (right):** The Red Rock tornado near Fairfax. (Photo courtesy: Raymond Renfro; Fairfax, Oklahoma.)

WESTPORT-OOLOGAH (OKLAHOMA) TORNADO COMPLEX

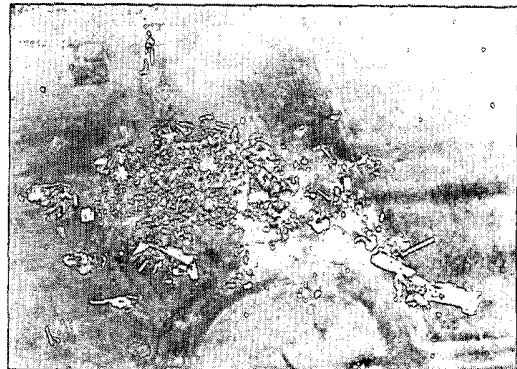
This thunderstorm complex produced four tornadoes. Its first tornado (an F2) touched down 12 miles south-southeast of Stillwater, Oklahoma, at 6:38 p.m. CST. The second tornado (an F4) being the Westport-Oologah Tornado touched down 1.5 miles west-southwest of Terlton at 7:10 p.m. CST and was on the ground for 32 miles; it was at times 1 mile wide. It swept several cars off the Cimarron Turnpike; one person was killed. The third tornado (F4) of the complex was the most damaging Oklahoma tornado of the outbreak. Although it was on the ground for only 4 miles, it was at times three-quarters of a mile wide. Damage was estimated to be almost \$15 million (\$12 million to the Oologah school complex alone). It caused 232 injuries but no one was killed. The fourth tornado (F1) was on the ground for 2 miles. Even though it was only 30 yards wide, it still destroyed two homes and two mobile homes on the northwestern side of Chelsea; three people were slightly injured.



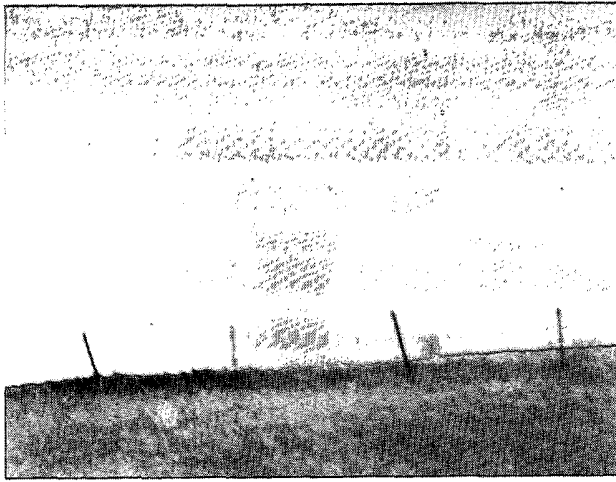
Above (left): Aerial photo of residential damage on the edge of Skiatook clearly shows the width of the tornado. (Photo courtesy and ©: Rabbit Hare; Chief Photographer; Tulsa (OK) World.) *Above:* This is what remains of a vehicle that got caught in the Westport tornado as it crossed the Cimarron Turnpike. (Photo courtesy: Tim Marshall; Lewisville, Texas.)



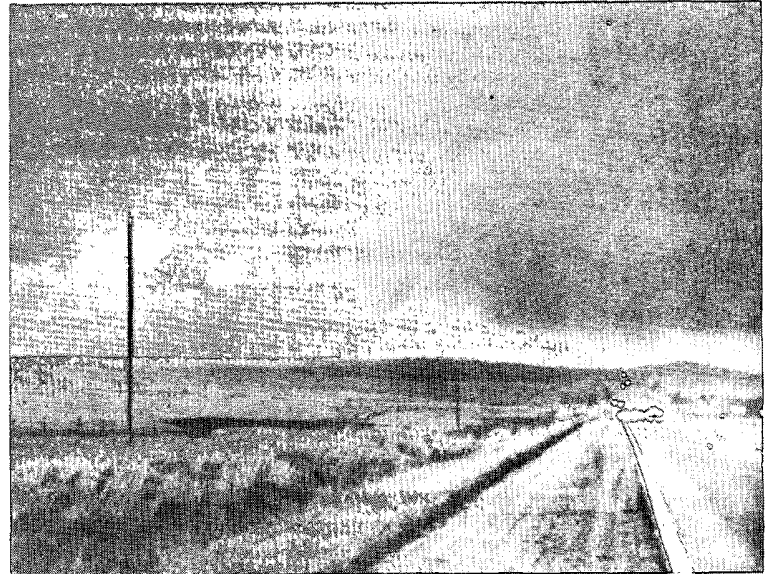
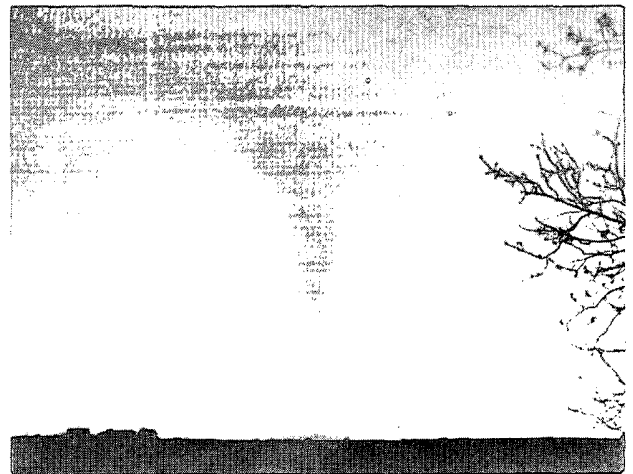
Right: Tornado damage to a residence northeast of Melody Meadows. *Above (right):* The destroyed school bus barn (note the partially stripped foundation). The buses at the top were initially parked in a neat row; the tornado caused substantial damage to them by slamming them together. Of the school's 25 buses, 9 were repairable; the buses were not insured. *Above (left):* The damaged Oologah High School band room. (Photo courtesy and ©: Millie Mosley; Oologah (Oklahoma) Lake Leader. Helicopter for aerial photos provided by KFOR-TV; Oklahoma City, Oklahoma.)



POTPOURRI OF OTHER APRIL 26TH EVENTS



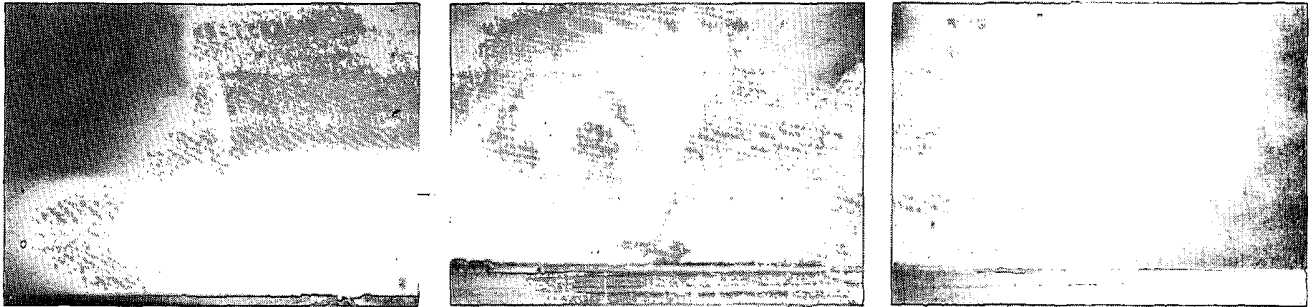
Above: Looking southeast at F2 tornado in Washington County in Kansas. The tornado is near Washington. (Photo courtesy: Investigator Delbert Hawe; Washington County Sheriff's Office.) Pictured right (*above*) is the fourth tornado of the Washington County supercell. Looking south toward the tornado. **Right (bottom):** Looking east at the tornado. (Photo courtesy: Harry Chaffin; Palmyra, Nebraska.)



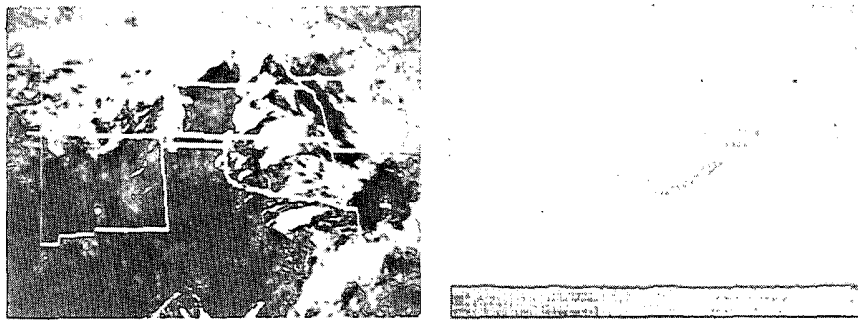
Left: The tornadic supercell pictured in the top pictures moved northeast through Nebraska into Iowa and caused a hailstorm in Newell, Iowa. (Photo courtesy: The Buena Vista County Journal; Newell, Iowa.) **Above:** Tornado crossing I-70 west of Topeka, Kansas. (Photo courtesy: Jim Cunningham; Topeka, Kansas.)

OKLAHOMA TORNADOES OF APRIL 12, 1991

Two thunderstorm complexes produced a total of 10 tornadoes over central and north-central Oklahoma during the late afternoon and early evening hours of April 12th. The northern supercell produced six tornadoes (two F3s, two F2s, and two F0s), while the southern storm produced four weak tornadoes (three F0s and one F1). Although there was considerable property damage, no injuries were caused by the storms.



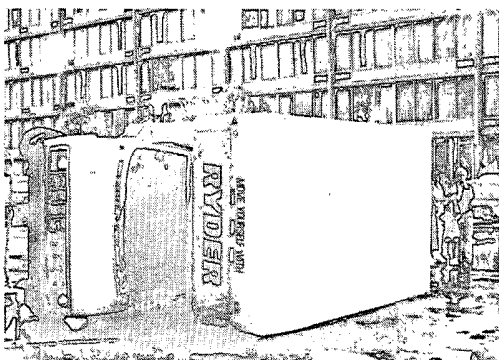
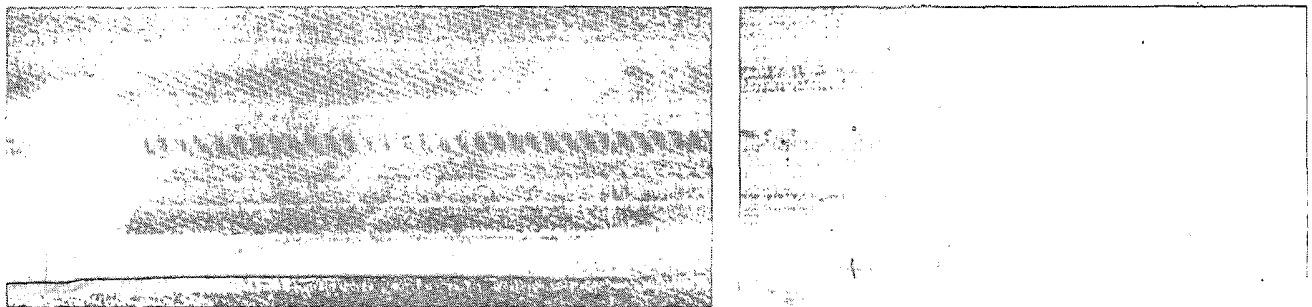
Above (left): Tornado developing from a wall cloud 3 miles east of Lahoma. **Above (middle):** A F0 tornado touches down 5 miles southwest of Kremlin, Oklahoma. (Photo courtesy and ©: Howard B. Bluestein; University of Oklahoma.) **Above (right):** Looking north-northwest at the same tornado beginning to attain "wedge" status. (Photo courtesy and ©: Herb Stein; University of Oklahoma.)



Far left: Satellite picture valid at 4:31 p.m. CST. (Photo courtesy: NSSL) **Left:** Tornado near Marshall (the last tornado of the southern complex). (Photo courtesy and ©: Rich Thompson; NSSL.)

3. OTHER SIGNIFICANT WEATHER EVENTS

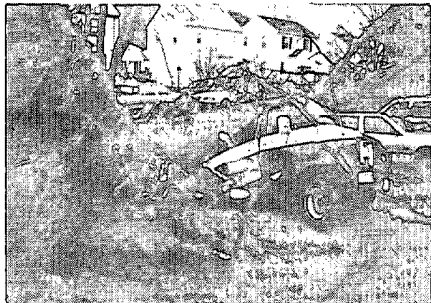
Not all the severe weather occurred in the Plains States on April 26, 1991. Heavy rainfall caused mud slides in Oregon on April 5th, high wind damaged several areas of West Virginia on April 9th, snowfall caused problems in Montana on the 11th through the 14th of April, tornadoes in Texas on April 28th, and heavy rains in Arkansas on April 29th.



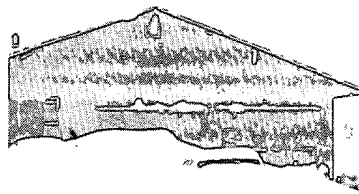
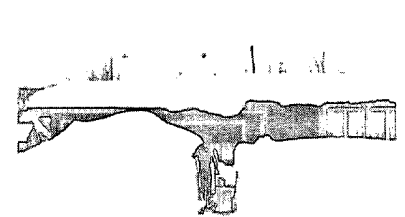
Above (left): Wide-angle view looking west at a low precipitation small supercell which developed a tornado near Byers, Kansas. The top of the storm was between 21,000 and 24,000 feet. **Above (right):** Another low precipitation mini-supercell producing a F0 tornado, looking west-southwest near luka, Kansas. (Photo courtesy and ©: Jon Davies; Pratt, Kansas.) **Left:** A Ryder truck was blown over at the Charleston Ramada Inn parking lot. (Photo courtesy: Earl Benton; Charleston (West Virginia) Daily Mail.)



Above: Mud slide on OR-6 (Wilson River Highway) caused by storms on April 4th and 5th. Three maintenance trucks were covered by the slide. (Photo courtesy: Mark Gibson; *The Tillamook (OR) Headlight-Herald*.) **Above (right):** Rain totaling 7.88 inches fell on already-saturated Hamburg, Arkansas, in a three-day period through the afternoon of April 29th. At nearby Thebes, U.S. Highway 82 was closed shortly after this picture was taken. (Photo courtesy: *Ashley County Ledger; Hamburg, Arkansas*.)



Above: One of the many thousands of trees which were uprooted in West Virginia. (Photo courtesy: Ken Batty; *WSFO Charleston, West Virginia*.) **Above (right):** Mobile home was blown over, then rolled down a 20-foot embankment in Charleston, West Virginia. A 4.5-month-old baby died in the mobile home. (Photo courtesy: Chet Hawes; *Charleston (West Virginia) Daily Mail*.) Straight-line and downburst winds pummelled most of the state. Two people died, eighty-six were injured and damage was estimated at \$16 million.



Far left: The result of a three-day snow storm ending April 13th which gave Dickinson, North Dakota, 10 inches of heavy, wet snow. (Photo courtesy: Mike Dougherty; *The Dickinson (ND) Press*.) **Above (left and right):** Red Lodge Montana, was buried in 60 inches of snow between

the 11th and the 14th of April (Red Lodge Mountain Ski Area reported 100 inches!). Add a bit of wind and the shoveling can be considerable as residents on south Hauser dig out on the 14th. **Middle:** A snowdrift covers most of the car. (Photo courtesy: *Carbon County News; Red Lodge, Montana*.)



STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ALABAMA

Mobile County	08	0950CST			0	0	0	0	Hail (0.75)
			Dime-size hail fell at Mobile.						
Fayette County	08	1220CST			0	0	?	0	Thunderstorm Winds
			Numerous trees were blown down at Newtonville. Several trees were blown onto buildings, causing minor damage. There were no injuries.						
Marshall County	08	1235CST			0	0	?	?	Thunderstorm Winds
			Strong thunderstorm winds blew the roof off a storage shed and damaged several chicken houses in Albertville. Trees were blown down in the same area.						
Colbert County	09	1213CST			0	0	0	0	Hail (0.75)
			Dime-size hail fell at Leighton.						
Lawrence County	09	1242CST			0	0	?	?	Hail (1.75)
	09	1302CST			0	0	?	?	Hail (1.75)
			At 1242 and 1302 CST, golf ball-size hail fell at Hatton.						
Limestone County	09	1242CST			0	0	?	?	Thunderstorm Winds
	09	1315CST			0	0	?	?	Thunderstorm Winds
			Trees were blown down in the Ripley vicinity at 1242 CST. Trees were blown down in the Mooresville vicinity at 1315 CST.						
Lamar County	09	1310CST			0	0	?	?	Hail (1.00)
	09	1325CST			0	0	?	?	Hail (1.25)
			At 1310 CST, dime- to quarter-size hail covered the ground at Millport. At 1325 CST, silver dollar-size hail fell at Kennedy.						
Morgan County	09	1316CST			0	0	0	0	Hail (0.75)
			Dime-size hail fell at Laceys Spring.						
Sumter County	09	1405CST			0	0	0	0	Hail (0.75)
	09	1434CST			0	0	0	0	Hail (0.75)
			At 1405 CST, dime-size hail fell 5 miles south of Livingston. At 1434 CST, dime-size hail fell at Livingston.						
Etowah County	09	1530CST			0	0	?	?	Hail (1.75)
			Golf ball-size hail fell in the Gadsden vicinity.						
Chilton County	09	1540CST			0	0	0	0	Hail (0.75)
			Dime-size hail fell in the Jemison vicinity.						
Walker County	09	1635CST			0	0	?	?	Hail (1.75)
			Golf ball-size hail fell 8 miles south of Jasper.						
Lawrence County	09	1710CST			0	0	0	0	Hail (0.75)
			Dime-size hail fell at Hatton and Mount Moriah.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ALABAMA Cont'd

Clay County	09	1730CST			0	0	?	?	Hail (1.75)
			Golf ball-size hail fell at Delta.						
Montgomery County	09	1735CST			0	0	?	?	Hail (1.75)
	09	2140CST			0	0	?	?	Thunderstorm Winds
			At 1735CST, golf ball-size hail fell at Snowdown. At 2140 CST, trees were blown down 3 miles northeast of Davenport and strong winds occurred at the Montgomery Airport.						
Morgan County	09	1740CST			0	0	0	0	Hail (0.75)
			Dime-size hail fell at Decatur.						
Bullock County	09	1755CST			0	0	?	?	Hail (1.75)
	09	1810CST			0	0	?	?	Thunderstorm Winds
			At 1755 CST, golf ball-size hail fell at Fitzpatrick. At 1810 CST, trees were blown down about 5 miles north of Union Springs.						
Jefferson County	09	1805CST			0	0	?	?	Hail (1.75)
			Golf ball-size hail fell at Hoover.						
Madison County	09	1805CST			0	0	0	0	Hail (0.75)
	09	1818CST			0	0	?	?	Hail (1.75)
			Dime-size hail fell at 1805 CST in the Huntsville area. At 1818 CST, golf ball-size hail fell in downtown Huntsville.						
Chambers County	09	1815CST			0	0	?	?	Hail (1.00)
			Quarter-size hail fell at Lafayette.						
Shelby County	09	1815CST			0	0	0	0	Hail (0.75)
			Nickel-size hail fell at Alabaster.						
Saint Clair County	09	1830CST			0	0	?	?	Hail (1.75)
			Golf ball-size hail fell in the Pell City vicinity.						
Macon County	09	1835CST			0	0	?	?	Thunderstorm Winds
			Trees were blown onto power lines at Society Hill.						
Cleburne County	09	1940CST			0	0	?	?	Thunderstorm Winds
			Several trees were blown down at Fruithurst.						
Russell County	09	1850CST			0	0	?	?	Thunderstorm Winds
			At Fort Mitchell, several large tree limbs were blown down by strong thunderstorm winds.						
Elmore County	12	1750CST			0	0	?	?	Thunderstorm Winds
	12	1755CST			0	0	?	?	Thunderstorm Winds
	12	1855CST			0	0	?	?	Hail (1.75)
	12	1855CST			0	0	?	?	Thunderstorm Winds
	12	1900CST			0	0	?	?	Thunderstorm Winds
	12	1900CST			0	0	0	0	Flash Flooding

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ALABAMA Cont'd

At 1750 CST, trees were blown down at Holtville. At 1755 CST, trees were blown down at Titus. At 1855 CST, trees were blown down at Slapout and golf ball-size hail fell in the same vicinity. At 1900 CST, a roof was blown off a garage at Santuck. Many roads in the county had water over them.

Pickens County	12	1900CST	0.3	10	0	0	5	0	Tornado (F0)
	12	1910CST			0	0	?	?	Thunderstorm Winds

At 1900 CST, a small tornado moved a short distance northeast through the Fairview community about 7 miles north of Gordo. A mobile home, two chicken houses, two farm buildings, and two barns were destroyed. Two people inside the mobile home were uninjured. Damage was estimated at \$90,000. At 1910 CST, trees were blown down at Reform.

Lamar County	14	1900CST			0	0	?	?	Thunderstorm Winds
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Trees and power lines were blown down in the Detroit vicinity.

Lawrence County	14	1905CST	1.0	70	0	4	?	0	Tornado (F1)
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A tornado touched down about 5 miles west of Moulton and moved northeast about 1 mile. Two mobile homes were totally destroyed. Four people in one of the mobile homes received injuries. Three of the four people required hospitalization. Eight other buildings were severely damaged and numerous trees were blown down.

Walker County	14	2000CST			0	0	?	?	Thunderstorm Winds
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Trees were blown down 3 miles north of Jasper.

Choctaw County	14	2210CST			0	0	?	?	Thunderstorm Winds
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At Barrytown strong thunderstorm winds destroyed a barn and heavily damaged a truck.

Walker County	27	1400CST			0	0	?	?	Thunderstorm Winds
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About 10 miles northeast of Jasper, numerous trees were blown down. Several chicken houses and barns were also destroyed. A few vehicles were damaged.

Cullman County	27	1410CST			0	0	?	?	Thunderstorm Winds
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Many trees were blown down about 10 miles south of Cullman. Several roads were blocked by trees.

Blount County	27	1430CST			0	1	?	?	Thunderstorm Winds
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At Locust Fork, one mobile home was overturned by strong thunderstorm winds. One person inside was injured. Another mobile home had the roof blown off. Numerous trees were blown down. Ten other mobile homes had trees blown down on them.

Jefferson County	27	1433CST			0	0	?	?	Thunderstorm Winds
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Trees were blown down along Interstate 65 in the Warrior vicinity.

Marshall County	27	1445CST			0	0	?	?	Thunderstorm Winds
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Large trees were blown down at scattered locations in Marshall County.

Saint Clair County	27	1445CST			0	0	?	?	Thunderstorm Winds
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Trees were blown down onto power lines at Ragland.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ALABAMA Cont'd

Etowah County	27	1515CST			0	0	?	?	Thunderstorm Winds
Several buildings were damaged by strong thunderstorm winds at Hokes Bluff.									
Calhoun County	27	1520CST			0	0	?	?	Thunderstorm Winds
At Weaver trees were uprooted and blown onto power lines. A mobile home was blown off its foundation.									
Cherokee County	27	1537CST			0	0	?	?	Thunderstorm Winds
Trees were blown down in the Jamestown vicinity.									
De Kalb County	27	1537CST			0	0	?	?	Thunderstorm Winds
	27	1545CST			0	0	?	?	Thunderstorm Winds
At 1537 CST, several mobile homes were damaged at Adamsburg. Several outbuildings were also destroyed. At 1545 CST, large trees were blown down at Geraldine and trees were blown onto power lines at Collinsville.									
Bibb County	27	1600CST			0	0	?	?	Thunderstorm Winds
Trees were blown down at Six Mile.									
Cleburne County	27	1600CST			0	0	?	?	Thunderstorm Winds
Strong thunderstorm winds blew down numerous trees near Borden Springs.									
Chilton County	27	1630CST			0	0	?	?	Hail (1.00)
	27	1635CST			0	0	0	0	Funnel Cloud
	27	1710CST			0	0	0	0	Funnel Cloud
	27	1720CST			0	0	?	?	Hail (1.00)
At 1630 CST, quarter-size hail fell at Thorsby. At 1635 CST, a funnel cloud was seen over Maplesville. At 1710 CST, a wall cloud and funnel clouds were seen over Clanton. At 1720 CST, quarter-size hail fell at Clanton.									
Clay County	27	1631CST			0	0	0	0	Hail (0.75)
Dime-size hail fell at Millerville.									
Chambers County	27	1815CST			0	0	?	?	Hail (1.75)
Golf ball-size hail fell at Lafayette.									
Coosa County	27	1815CST			0	0	0	0	Hail (0.75)
Dime-size hail fell at Rockford.									
Marion County	28	0055CST			0	0	?	?	Thunderstorm Winds
Numerous trees were blown down at Bexar.									
Fayette County	28	0100CST			0	0	?	?	Hail (1.75)
Golf ball-size hail fell 3 miles south of Winfield.									
Franklin County	28	0115CST			0	0	?	?	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ALABAMA Cont'd

Strong thunderstorm winds destroyed a chicken house, damaged a porch, and overturned a camper in the Phil Campbell vicinity.

Pickens County	28	1015CST			0	0	?	?	Hail (1.75)
Golf ball-size hail fell at Aliceville.									
Sumter County	28	1015CST			0	0	?	?	Thunderstorm Winds
Trees were blown onto a house in Gainesville. Numerous trees were blown down in the Cuba vicinity. Cars were blown off a road at Epes. There were no injuries.									
Greene County	28	1050CST			0	0	?	?	Thunderstorm Winds
A racetrack at Eutaw received major damage.									
Tuscaloosa County	28	1055CST			0	0	0	0	Hail (0.75)
	28	1120CST			0	0	?	?	Thunderstorm Winds
At 1050 CST nickel-size hail fell at Fosters. At 1120 CST, trees were blown down in Tuscaloosa.									
Bibb County	28	1105CST			0	0	?	?	Thunderstorm Winds
Trees were blown across roads and onto a mobile home about 7 miles north of Brent.									
Hale County	28	1120CST			0	0	?	?	Thunderstorm Winds
At Akron strong thunderstorm winds blew down numerous trees and damaged about 20 houses and two mobile homes.									
Jefferson County	28	1205CST			0	0	?	?	Thunderstorm Winds
At least six large trees were blown down in the Overton area.									
Chilton County	28	1220CST			0	0	?	?	Thunderstorm Winds
	28	1226CST			0	0	?	?	Thunderstorm Winds
	28	1240CST			0	0	?	?	Hail (1.75)
	28	1310CST			0	0	?	?	Thunderstorm Winds
At 1220 CST, large trees were blown across a road at Jemison. At 1226 CST, trees were blown down at Maplesville. Trees and power lines were blown down at Clanton. At 1240 CST, golf ball-size hail fell 5 miles south of Clanton. At 1310 CST, a roof was blown off a barn 2 miles east of Clanton.									
Talladega County	28	1258CST			0	0	?	?	Thunderstorm Winds
Trees were blown onto power lines at Sylacauga.									
Coosa County	28	1305CST			0	0	?	?	Thunderstorm Winds
	28	1310CST			0	0	?	?	Thunderstorm Winds
At 1305 CST, trees were blown down 1 mile north of Stewartville. At 1310 CST, trees were blown down at Rockford.									
Clay County	28	1315CST			0	0	?	?	Thunderstorm Winds (G52)
Thunderstorm winds gusted to an estimated 60 mph at Ashland. No damage was reported.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ALABAMA Cont'd

Montgomery County	28	1349CST			0	0	0	0	Hail (0.75)
			Dime-size hail fell 5 miles northeast of Montgomery.						
Lee County	28	1500CST			0	0	?	?	Thunderstorm Winds
			Trees were blown down at Inverness and Blues Old Stand.						
Winston County	29	0534CST			0	0	?	?	Thunderstorm Winds
			A thunderstorm downburst caused substantial damage about 9 miles west of Double Springs. Sixteen mobile homes were damaged, and two were destroyed. Twenty-four houses, four businesses, and one church were damaged. Seventeen vehicles received minor damage. There were no injuries.						
Limestone County	29	0640CST			0	0	?	?	Thunderstorm Winds
			Trees were blown onto several houses at Athens. Trees were also blown down at other locations scattered throughout the county.						
Madison County	29	0640CST			0	0	?	?	Thunderstorm Winds
			Strong thunderstorm winds blew a mobile home over 1 mile west of Triana. Trees were also blown down in Huntsville.						
Cullman County	29	0645CST			0	0	?	?	Thunderstorm Winds
			Several communities received straight-line thunderstorm wind damage. The most damage was caused by trees that were blown down or snapped. Damage also occurred to a few homes and chicken houses. Damage occurred in the communities of Jones Chapel, West Point, Cullman, Brooklyn, and Baileyton. In the West Point community, one house was destroyed. There were no injuries.						
Jefferson County	29	0700CST	0.3	35	0	0	?	?	Tornado (F0)
	29	0705CST			0	0	?	?	
			A tornado moved east a short distance alongside Interstate 65 in the southern part of Birmingham. Other roof damage occurred in nearby Homewood, where trees were snapped near a high school. A short time later, trees were blown down in other areas around Birmingham, including Center Point and Pleasant Grove. There were no injuries.						
De Kalb County	29	0815CST			0	0	?	?	Thunderstorm Winds
			At Henagar, strong thunderstorm winds blew a tree onto a mobile home. Trees were also blown down at numerous other locations in the county.						
Lowndes County	29	1100CST			0	0	?	?	Thunderstorm Winds
			Windows were blown out of a factory in Burkeville.						
Montgomery County	29	1115CST			0	0	?	?	Thunderstorm Winds
			Trees were blown down at scattered locations in Montgomery.						
Butler County	29	1155CST			0	0	?	?	Thunderstorm Winds
	29	1155CST			0	0	?	?	Hail (1.75)
	29	1215CST			0	0	?	?	Hail (1.75)
			At 1155 CST, trees were blown onto a roof at McKenzie. At about the same time, trees were blown down and golf ball-size hail fell at Greenville. At 1215 CST, golf ball-size hail again fell at Greenville.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ALABAMA Cont'd

Crenshaw County	29	1215CST			0	0	0	0	Hail (0.75) Dime-size hail fell at Honoraville.
Mobile County	29	1320CST			0	0	?	?	Thunderstorm Winds Trees were blown down at Bayou La Batre.
Baldwin County	29	1402CST	0.3	15	0	0	?	?	Tornado (F0)
	29	1404CST			0	0	?	?	Thunderstorm Winds
	29	1405CST			0	0	?	?	Thunderstorm Winds
	29	1406CST	0.3	20	0	0	5	?	Tornado (F0)
	29	1421CST			0	0	?	?	Thunderstorm Winds
	29	1422CST			0	0	?	?	Thunderstorm Winds

At 1402 CST, a small tornado moved east a short distance at Robertsedale. There was minor residential damage. At 1404 CST, power lines were blown down 2 miles north of Robertsedale. At 1405 CST, a barn was blown down 2 miles east of Fairhope. At 1406 CST, a small tornado moved east over a short path about 2 miles east of Robertsedale. Several homes were extensively damaged. At 1421 CST, strong thunderstorm winds damaged a fertilizer plant in Summerdale. At 1422 CST, power lines were blown down at Robertsedale.

Russell County	29	1420CST			0	0	?	?	Thunderstorm Winds
	29	1420CST			0	0	?	?	Hail (1.00) Numerous trees and power lines were blown down and 1-inch hail fell at scattered locations in the county.
Limestone County	30	1300CST			0	0	?	?	Thunderstorm Winds Trees and power lines were blown down at scattered locations in the southern part of the county.
Madison County	30	1310CST			0	0	?	?	Thunderstorm Winds (G60) Signs were blown down along Interstate 565 at Madison. A tractor-semitrailer was blown over in the same area. Winds gusted to 69 mph at the Weather Service Office between Huntsville and Decatur.
Houston County	30	1415CST			0	0	?	?	Thunderstorm Winds Trees were blown down at Ashford.

ARIZONA

AZZ003 Northeastern Plateau	01	1430MST			0	0	0	0	High Winds A cold front raced through the state, and a dust devil produced winds of 63 mph at Winslow.
AZZ003 Northeastern Plateau	10	1145MST			0	0	2	0	High Winds Winds gusted to as high as 61 mph with minor roof damage at the St. Johns Airport. Winslow had 60 mph winds with considerable blowing dust and sand. Southwestern winds gusted to 47 mph in Pinetop-Lakeside.
AZZ003-005-010 Northeastern Plateau Mogollon Rim Southeastern	11	All Day			0	0	0	0	High Winds

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

ARIZONA Cont'd

Arizona A strong low-pressure area moved through the west, and resulted in very strong winds. Fort Huachuca recorded a gust to 66 mph at about 1000 MST, while Show Low had 67 mph and St. Johns had 65 mph gusts later in the day.

AZZ003 25 Afternoon 0 0 0 0 High Winds
 Northeastern Plateau Page reported winds that gusted to 67 mph.

AZZ003 27 1700MST 0 0 0 0 High Winds
 Northeastern Plateau A cold front dropped out of Utah and produced winds as high as 65 mph at the Petrified Forest National Park. Walnut Canyon had winds over 50 mph, and winds hit 49 mph in Winslow at 1700 MST.

ARKANSAS

Franklin County Ozark	03 1527CST		0	0	0	0	Hail (0.75)	
Pope County Russellville	03 1815CST		0	0	0	0	Hail (0.75)	
Little River County 2 E Ashdown	09 0515CST		0	0	0	0	Hail (0.75)	
Howard County Tollette	09 0520CST		0	0	0	0	Hail (1.00)	
Hempstead County 2 E Washington	09 0530CST		0	0	0	0	Hail (1.00)	
Perry County Perryville	09 0600CST		0	0	0	0	Hail (0.75)	
Clark County Gurdon	09 0614CST		0	0	0	0	Hail (0.75)	
Hempstead County 10 E Hope	09 0615CST		0	0	0	0	Hail (1.75)	
Nevada County 5 S Prescott	09 0620CST		0	0	0	0	Hail (1.00)	
Pulaski County Morgan	09 0638CST		0	0	0	0	Hail (1.00)	
Lonoke County Ward	09 0639CST		0	0	4	0	Hail (3.00)	
Hail larger than the size of baseballs pelted roofs and cars around Ward.								
White County Beebe	09 0645CST		0	0	5	0	Hail (1.75)	
Roofs were damaged and cars dented by golf ball-size hail in Beebe.								
Pulaski County Jacksonville	09 0649CST		0	0	0	0	Thunderstorm Winds (G50)	
Wind gusts to 58 mph were recorded at Little Rock Air Force Base.								
Pulaski County Little Rock	09 0655CST		0	0	4	0	Hail (1.75)	
	09 0658CST		0	0	0	0	Hail (0.75)	
Golf ball-size hail dented cars in Little Rock.								
Lonoke County Butlerville	09 0720CST		0	0	0	0	Hail (0.75)	

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

ARKANSAS Cont'd

Ouachita County Camden	09	0730CST			0	0	0	0	Hail (0.75)
Calhoun County 3 E East Camden	09	0735CST			0	0	0	0	Hail (0.75)
Prairie County 2 SW Des Arc	09	0745CST			0	0	4	0	Thunderstorm Winds
2 SW Des Arc	09	0745CST			0	0	3	0	Hail (2.75)
Des Arc	09	0745CST			0	0	0	0	Hail (0.75)

Thunderstorm winds downed trees and power lines. Hail ranging from dime to baseball-size also fell. Some barns and outbuildings were damaged as were a few homes and businesses.

St. Francis County Colt	09	0745CST			0	0	3	0	Thunderstorm Winds
Palestine	09	0745CST			0	0	3	0	Thunderstorm Winds

Thunderstorm winds blew down trees and damaged roofs and outbuildings.

Lee County Marianna	09	0800CST			0	0	2	0	Thunderstorm Winds
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Thunderstorm winds blew down trees.

Woodruff County Wiville	09	0800CST			0	0	3	0	Thunderstorm Winds
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Thunderstorm winds downed trees and power lines.

Monroe County Brinkley	09	0800CST			0	0	0	0	Hail (0.75)
Brinkley	09	0800CST			0	0	3	0	Thunderstorm Winds

Thunderstorm winds downed trees which then caused minor damage to a few homes and vehicles.

Grant County Sheridan	09	0803CST			0	0	0	0	Hail (1.00)
Sheridan	09	0810CST			0	0	0	0	Hail (1.00)

Cross County 1 N Wynne	09	0810CST			0	0	4	0	Thunderstorm Winds
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One building was damaged and a tractor-semi-trailer overturned just north of Wynne.

Cross County Wynne	09	0830CST			0	0	4	0	Thunderstorm Winds
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Thunderstorm winds damaged several buildings and blew a tanker truck off a road.

Crittenden County West Memphis	09	0830CST			0	0	4	0	Thunderstorm Winds (G61)
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Winds gusting to 70 mph blew windows out of businesses and homes, damaged signs, snapped utility poles and trees, and damaged mobile homes and cars. In nearby Crawfordsville, a mobile home and car were destroyed when the home was pulled from its tie-down and landed on the car.

Pulaski County Little Rock	09	0836CST			0	0	0	0	Hail (1.75)
Little Rock	09	0838CST			0	0	0	0	Hail (1.75)

Golf ball-size hail fell near Little Rock Adams Field Airport.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

ARKANSAS Cont'd

Crittenden County Horseshoe Lake	09	0840CST							Thunderstorm Winds Thunderstorm winds downed trees around Horseshoe Lake.
Lonoke County Woodlawn	09	0900CST							Hail (4.50) Softball-size hail hit an apartment complex damaging roofs, breaking skylights, denting cars, killing one dog, and injuring a cow.
Chicot County Indian	10	1230CST							Lightning A man was injured by lightning while working in his garden. He suffered 1st- and 2nd-degree burns, mainly along his back.
Miller County	12	0300CST- 0700CST							Flash Flood Heavy rain flooded roads across Miller County. Nix Creek in Texarkana flooded some buildings and an apartment complex. An indirect fatality occurred when a car failed to negotiate a curve and plunged into a swollen creek. One man was killed.
Bradley County 6 SW Vick	12	0841CST							Thunderstorm Winds Thunderstorm winds downed trees and power lines, damaging 14 campsites and a couple of vehicles. Fifteen vacation homes along the Ouachita River also suffered damage. Damage was estimated around \$300,000.
Jefferson County Pine Bluff	12	0915CST- 1200CST							Flash Flood Heavy rain flooded streets, a few homes, and a junior high school. At the junior high school, the water was over the bumpers of cars. Numerous auto accidents occurred as a result of the water-covered streets.
Drew County 10 E Monticello	12	0930CST							Thunderstorm Winds Power lines were downed by thunderstorm winds.
Union County Marysville	12	2300CST							Thunderstorm Winds Thunderstorm winds downed trees near Marysville.
Lafayette County 10 SE Bradley	13	0020CST							Hail (1.00)
Columbia County 1 SW Emerson	13	0032CST 0032CST							Hail (0.75) Thunderstorm Winds Thunderstorm winds downed trees near Emerson.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

ARKANSAS Cont'd

Union County El Dorado	13	0150CST			0	0	0	0	Hail (0.75)
Garland County	13	0200CST- 0600CST			0	0	2	0	Flash Flood
Montgomery County	13	0200CST- 0600CST			0	0	2	0	Flash Flood

Heavy rains flooded roads, causing some county road closures. Areas most affected were low-water crossings.

Sevier County Milford	13	0240CST			0	0	0	0	Hail (1.00)
Lockesburg	13	0240CST			0	0	0	0	Hail (1.00)
Howard County Center Point	13	0240CST			0	0	0	0	Hail (0.75)
Center Point	13	0240CST			0	0	2	0	Thunderstorm Winds

Thunderstorm winds damaged two chicken barns.

Pike County Salem	13	0327CST			0	0	4	0	Hail (1.00)
Glenwood	13	0352CST			0	0	3	0	Thunderstorm Winds

Thunderstorm winds destroyed a barn and downed numerous trees.

Miller, Little River, and Sevier Counties	13	1230CST- 1600CST			0	0	3	0	Flash Flood
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Heavy rain flooded and washed out county roads.

Miller County Texarkana	13	1240CST			0	0	5	0	Thunderstorm Winds (G52)
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A severe thunderstorm caused quite a bit of wind damage across Texarkana. Winds gusting to 60 mph damaged roofs and storage sheds, and downed trees and power lines. At the Texarkana Regional Airport, three planes suffered major damage when they came loose from their tie-downs. Wind and debris damaged other planes as well.

Sevier County DeQueen	13	1255CST			0	0	4	0	Thunderstorm Winds
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Thunderstorm winds rolled three mobile homes.

Sevier County 5 S DeQueen	13	1300CST			0	0	3	0	Thunderstorm Winds (G61)
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Thunderstorm winds damaged three chicken barns.

Little River County Foreman	13	1303CST			0	0	3	0	Thunderstorm Winds
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Thunderstorm winds downed trees and damaged a few roofs.

Ashdown	13	1312CST			0	0	2	0	Thunderstorm Winds (G56)
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Thunderstorm winds downed trees.

Miller County 6 S Fouke	13	1350CST			0	0	2	0	Thunderstorm Winds
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Thunderstorm winds downed numerous trees south of Fouke.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

ARKANSAS Cont'd

Hempstead County 3 SW Hope	13	1359CST			0	0	2	0	Thunderstorm Winds Thunderstorm winds downed trees southwest of Hope.
Faulkner County Conway	13	1400CST- 1700CST			0	0	2	0	Flash Flood Heavy rain flooded streets in downtown Conway. Police had to barricade several streets, causing quite a few problems during afternoon rush hour.
Nevada and Columbia Counties	13	1400CST- 1800CST			0	0	3	0	Flash Flood Heavy rain flooded and washed out county roads.
Sevier County 5 S DeQueen	13	1400CST			0	0	2	0	Thunderstorm Winds Thunderstorm winds downed trees along Highway 71.
Polk County Mena	13	1430CST- 1700CST			0	0	3	0	Flash Flood Heavy rain flooded roads around Mena. Highway 8 was impassable as was Highway 71. At times the water was up to the hood of cars.
Columbia County Waldo	13	1435CST			0	0	3	0	Thunderstorm Winds Thunderstorm winds downed trees and power lines.
Clark County Lake DeGray	13	1440CST			0	0	0	0	Thunderstorm Winds (G52) Skywarn spotters reported wind gusts to 60 mph.
Nevada County Falcon Rosston	13 13	1444CST 1444CST			0 0	0 0	2 2	0 0	Thunderstorm Winds Thunderstorm Winds Thunderstorm winds downed numerous trees.
Garland County Hot Springs Village	13	1450CST			0	0	2	0	Thunderstorm Winds Thunderstorm winds downed several trees.
Hot Spring County Friendship Donaldson Magnet Cove	13 13 13	1455CST 1455CST 1502CST			0 0 0	0 0 0	4 4 2	0 0 0	Thunderstorm Winds Thunderstorm Winds Thunderstorm Winds In the Friendship-Donaldson area, thunderstorm winds damaged one mobile home, caused roof damage to two other homes, and downed trees and power lines. Trees were also downed near Magnet Cove.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

ARKANSAS Cont'd

Miller County
7 S Texarkana 13 1500CST 0 1 0 0 **Lightning**

A man suffered minor injuries from a nearby lightning strike.

Clark County
Arkadelphia 13 1520CST 0 0 2 0 **Thunderstorm Winds**
6 SE Arkadelphia 13 1530CST 0 0 2 0 **Thunderstorm Winds**

Thunderstorm winds downed trees in and near Arkadelphia.

Saline County
5 SW Benton 13 1530CST 0 0 4 0 **Thunderstorm Winds**
Nance 13 1530CST 0 0 2 0 **Thunderstorm Winds**

Thunderstorm winds damaged the roof and blew the windows out of an old school building being used as an antique store. Vehicles in the parking lot were damaged by the flying debris. Trees were also downed in the Nance area.

Pulaski County
Little Rock 13 1550CST 0 0 5 0 **Thunderstorm Winds**
N Little Rock 13 1555CST 0 0 3 0 **Thunderstorm Winds**

A severe thunderstorm downed trees and power lines, damaged signs, and broke windows across Little Rock. At Camp Robinson in North Little Rock, a mobile home and a modular building were blown over.

Pulaski County
12 NE Little Rock 13 1600CST 0 0 2 0 **Thunderstorm Winds**

Thunderstorm winds downed trees in northern Pulaski County.

Union County
El Dorado 13 1615CST-1619CST 2 150 0 0 5 0 **Tornado (F2)**

A tornado moved across the southwestern corner of El Dorado. About 32 homes were damaged, approximately 15 suffered major damage. Most of the damage was caused by trees falling on the homes. A mortuary also lost over 600 square feet of its roof.

Pulaski County
Jacksonville 13 1618CST 0 0 3 0 **Thunderstorm Winds (G70)**
Jacksonville 13 1619CST-1622CST 1.0 50 0 0 5 0 **Tornado (F1)**

A wind gust of 81 mph caused scattered roof and tree damage at Little Rock Air Force Base. Shortly thereafter, a small tornado formed over Main Street in downtown Jacksonville, where it damaged some overhead doors and the roofs of two businesses. The tin sheeting from one roof, about 50 feet long, ended up wrapped around a home about half a block away. The tornado moved northeast causing scattered tree damage until it hit the Stonewall Subdivision. There, 12 homes suffered minor to major damage. One garage was blown away, as was a section of roof from another garage. Shingles were torn off roofs, windows were broken, and two storage buildings were also destroyed.

Lonoke County
Cabot 13 1637CST 0 0 2 0 **Thunderstorm Winds**
Austin 13 1650CST 0 0 2 0 **Thunderstorm Winds**

Thunderstorm winds downed trees and power lines.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CRODPS	

ARKANSAS Cont'd

White County Beebe	13	1640CST			0	0	4	0	Thunderstorm Winds
Thunderstorm winds caused some roof damage and downed trees and power lines. A small office building was also destroyed.									
Lonoke County Ward	13	1655CST			0	1	4	0	Thunderstorm Winds
Thunderstorm winds blew over a mobile home. One occupant suffered some bumps and bruises. The winds also downed trees and power lines and destroyed a barn.									
White County 2 NE Beebe	13	1710CST			0	0	4	0	Thunderstorm Winds
Thunderstorm winds downed trees and power lines and rolled a mobile home over.									
Lonoke County Lonoke	13	1720CST			0	0	3	0	Thunderstorm Winds
Thunderstorm winds downed trees and power lines just east of Lonoke.									
Bradley County Warren	13	1730CST			0	0	3	0	Thunderstorm Winds
Thunderstorm winds downed trees and power lines.									
Drew County Lacey	13	1745CST			0	0	3	0	Thunderstorm Winds
Thunderstorm winds downed trees and power lines.									
Ashley County 2 W Crossett	13	1745CST			0	0	1	0	Thunderstorm Winds
A large tree was blown onto Highway 82 just west of Crossett.									
Ashley County Fountain Hill	13	1800CST			0	0	3	0	Thunderstorm Winds
Hamburg	13	1800CST			0	0	4	0	Thunderstorm Winds
Thunderstorm winds downed trees and power lines and caused roof damage to several homes.									
Desha County Dumas	13	1825CST			0	1	5	0	Thunderstorm Winds
A severe thunderstorm caused extensive damage to much of downtown Dumas. Trees and power lines were downed, knocking out power to parts of the city for almost 20 hours. Windows were blown out and roofs damaged on at least 13 businesses. One woman suffered minor injuries when a tree fell on her car.									
Chicot County Lake Village	13	1835CST			0	0	3	0	Thunderstorm Winds
Jennie	13	1835CST			0	0	4	0	Thunderstorm Winds
Thunderstorm winds downed trees and power lines, downed a light pole, and damaged signs in Lake Village. In Jennie, a mobile home was picked up off its blocks and destroyed, sending debris for hundreds of yards. A carport was also damaged.									
Jackson County Swifton	13	1855CST			0	0	2	0	Thunderstorm Winds
2 NE Swifton	13	1905CST			0	0	3	0	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

ARKANSAS Cont'd

Union County									
El Dorado	19	1322CST			0	0	0	Hail (2.00)	
8 W El Dorado	19	1329CST			0	0	3	Hail (2.50)	
Hail the size of goose eggs fell just west of El Dorado while 2.00-inch hail fell at the El Dorado Airport.									
Bradley County									
Hermitage	19	1355CST			0	0	0	Hail (1.00)	
Ashley County									
9 W Crossett	19	1427CST			0	0	0	Hail (1.75)	
Union County									
Three Creeks	19	1440CST			0	0	3	Hail (2.75)	
Baseball-size hail fell near Three Creeks.									
Miller County									
3 SE Brightstar	25	0220CST			0	0	3	Thunderstorm Winds	
Thunderstorm storm winds blew two mobile homes over along Highway 173.									
3 SE Brightstar	25	0220CST			0	0	4	Thunderstorm Winds	
Thunderstorm winds blew two mobile homes over and downed trees along Highway 160.									
Lafayette County									
Gin City	25	0235CST			0	0	2	Thunderstorm Winds	
Thunderstorm winds downed trees near Gin City.									
Union County									
2 SE El Dorado	26	1322CST			0	0	0	Hail (1.75)	
Cleveland County									
Kingsland	26	1420CST			0	0	2	Thunderstorm Winds	
Thunderstorm winds downed trees.									
Calhoun County									
Thornton	26	1425CST			0	0	0	Hail (1.75)	
Dallas County									
5 NW Bunn	26	1450CST			0	0	0	Hail (1.75)	
Carthage	26	1508CST			0	0	2	Thunderstorm Winds	
Thunderstorm winds downed trees in the Carthage area.									
Grant County									
Leola	26	1500CST			0	0	0	Hail (1.75)	
Sheridan	26	1508CST			0	0	0	Hail (1.75)	
Saline County									
2 S Shannon Hills	26	1533CST			0	0	0	Hail (0.75)	
Shannon Hills	26	1535CST			0	0	0	Hail (1.00)	
Pulaski County									
Little Rock	26	1543CST			0	0	3	Hail (1.75)	
Little Rock	26	1547CST			0	0	0	Hail (0.75)	
Little Rock	26	1550CST			0	0	3	Hail (1.75)	
Little Rock	26	1552CST			0	0	3	Hail (1.75)	
Little Rock	26	1605CST			0	0	3	Hail (0.75)	

Golf ball-size hail pelted southwestern and western Little Rock resulting in numerous dented vehicles.

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APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

ARKANSAS Cont'd

Faulkner County

Lake Conway	26	1617CST			0	0	4	0	Thunderstorm Winds
5 E Lake Conway	26	1618CST			0	0	0	0	Hail (0.75)

Thunderstorm winds downed trees around Lake Conway. In the Skunk Hollow area, several trees fell on homes, causing structural damage.

Faulkner County

Conway	26	1622CST			0	0	3	0	Hail (1.75)
Conway	26	1626CST			0	0	4	0	Thunderstorm Winds (G52)

Golf ball-size hail and wind gusts to 60 mph hit Conway. The hail dented some cars while the wind blew over some signs and broke large tree limbs.

Cleburne County

Quitman	26	1655CST			0	0	4	0	Hail (1.75)
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Golf ball-size hail broke windshields and dented cars in Quitman.

Cleburne County

Heber Springs	26	1700CST			0	0	0	0	Hail (1.75)
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Van Buren County

Fairfield Bay	26	1705CST			0	0	0	0	Hail (1.75)
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Chicot County

Shives	26	1715CST			0	0	0	0	Hail (1.75)
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Cleburne and Van Buren Counties

2 NE Fairfield Bay	26	1715CST			0	0	2	0	Thunderstorm Winds
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Thunderstorm winds blew down trees blocking Highway 16 on the Van Buren-Cleburne county line.

Stone County

Mountain View	26	1725CST			0	0	0	0	Hail (1.75)
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3 W Mountain View	26	1728CST			0	0	0	0	Hail (0.75)
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Mountain View	26	1729CST			0	0	2	0	Thunderstorm Winds
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Thunderstorm winds and golf ball-size hail broke windows in Mountain View.

Izard County

Calico Rock	26	1802CST			0	0	3	0	Hail (1.75)
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Golf ball-size hail broke some car windows in Calico Rock.

Baxter County

Sycamore Spring	26	1805CST			0	0	0	0	Hail (1.00)
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Fulton County

Viola	26	1810CST			0	0	1	0	Hail (1.00)
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Hail up to 1 inch in diameter damaged gardens in the Viola area.

Sevier County

Lockesburg	26	2310CST			0	0	0	0	Hail (1.00)
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Perry County

Perryville	26	2324CST			0	0	3	0	Thunderstorm Winds
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Thunderstorm winds downed power lines.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ARKANSAS Cont'd

Little River County Cross Roads	26	2325CST			0	0	0	0	Hail (0.75)
Sevier County Horatio	26	2330CST			0	0	0	0	Hail (1.75)
Horatio	26	2330CST			0	0	2	0	Thunderstorm Winds

Thunderstorm winds downed trees.

Howard County 3 NW Nashville	26	2330CST			0	0	3	0	Thunderstorm Winds
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Thunderstorm winds downed trees near Nashville, resulting in damage to the roof of a home, a mobile home, a camper, and an automobile.

Conway County Morrilton	26	2334CST			0	0	0	0	Hail (1.75)
Howard County Mineral Springs	26	2340CST			0	0	0	0	Hail (1.75)
Perry County Bigelow	26	2351CST			0	0	3	0	Thunderstorm Winds

Thunderstorm winds blew a mobile home over and downed trees.

Faulkner County Mayflower	27	0010CST			0	0	2	0	Thunderstorm Winds
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Thunderstorm winds downed some large trees in Mayflower.

Union County El Dorado	27	0020CST- 0600CST			0	0	3	0	Flash Flood
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Heavy rain caused flash flooding across much of the eastern part of El Dorado.

Pulaski County Little Rock	27	0030CST			0	0	0	0	Hail (0.75)
White County 1 N Searcy	27	0045CST			0	0	0	0	Hail (1.00)
Lonoke County Cabot	27	0050CST			0	0	0	0	Hail (1.75)
Saline County Alexander	27	0105CST			0	0	0	0	Hail (0.75)
Woodruff County Patterson	27	0130CST			0	0	0	0	Hail (1.75)
Prairie County Des Arc	27	0200CST			0	0	0	0	Hail (0.75)
Jefferson County Pine Bluff	27	0645CST			0	0	3	0	Thunderstorm Winds (G49)

Wind gusts to 56 mph measured by Civil Defense officials, toppled trees across Pine Bluff.

Ashley County 11 S Hamburg	27	0757CST			0	0	2	0	Thunderstorm Winds (G39)
16 S Hamburg	27	0757CST			0	0	3	0	Thunderstorm Winds (G39)

Winds estimated up to 45 mph by Skywarn spotters downed some trees along Highway 425. One tree fell on a truck, causing an accident.

Miller County 3 W Fouke	27	1540CST			0	0	2	0	Thunderstorm Winds
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ARKANSAS Cont'd

3 W Fouke	27	1540CST			0	0	0	0	Hail (1.00)
Thunderstorm winds downed numerous trees.									
Miller County	27	1610CST			0	0	2	0	Thunderstorm Winds
Brightstar	27	1610CST			0	0	0	0	Hail (1.00)
Thunderstorm winds downed numerous trees.									
Lafayette County	27	1647CST			0	0	2	0	Thunderstorm Winds
Bradley	27	1647CST			0	0	0	0	Hail (1.00)
Thunderstorm winds downed trees blocking the intersection of Highways 160 and 29.									
Garland County	27	1752CST			0	0	0	0	Hail (1.75)
Hot Springs	27	1800CST			0	0	0	0	Hail (1.00)
Jessieville									
Union County	27	1800CST			0	0	3	0	Thunderstorm Winds
Junction City									
Thunderstorm winds downed trees and power lines.									
Saline County	27	1825CST			0	0	2	0	Thunderstorm Winds
Benton									
Thunderstorm winds downed some large trees.									
Pulaski County	27	1916CST			0	0	2	0	Thunderstorm Winds (G70)
Jacksonville									
Outflow from a couple of thunderstorms resulted in an 80-mph wind gust at Little Rock Air Force Base.									
Union County	27	2116CST			0	0	0	0	Hail (1.00)
El Dorado	27	2345CST			0	0	0	0	Hail (0.75)
El Dorado	27	2347CST			0	0	0	0	Hail (1.75)
El Dorado	27	2355CST-2357CST	0.5	50	0	0	0	0	Tornado (F0)
A small tornado touched down briefly in an open area of northeastern El Dorado.									
Clark County	28	0020CST			0	0	0	0	Hail (1.75)
4 S Arkadelphia	28	0028CST			0	0	0	0	Hail (1.75)
Gum Springs									
Union County	28	0030CST-0600CST			0	0	5	0	Flash Flood
Heavy rains put much of Union County under water during the early morning hours of the 28th. In El Dorado, streets and parking lots flooded, causing cars to float and collide. Portions of Highways 167, 335, 15 and 77 were closed. An estimated 25 other county roads were closed and more than 12 bridges damaged. In Smackover, 25 families were evacuated as were 5 families in Strong.									
Bradley County	28	0300CST-0600CST			1	1	4	0	Flash Flood
2 SW Johnsville									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ARKANSAS Cont'd

Unofficial rainfall of 10 inches fell across southern Bradley County causing Snake Creek to overflow its banks. A 24-year-old woman was killed and a companion suffered minor injuries when their car was swept off Highway 160. The victim decided to stay in the car because she could not swim, while her passenger got out and made it to safety. Several other cars were washed off the road before the road could be closed. (F24V)

Ashley County
2 E Crossett 28 0330CST 0 0 2 0 **Thunderstorm Winds**

Thunderstorm winds downed trees along Highway 82.

Ashley County 28 0430CST-0800CST 0 0 3 0 **Flash Flood**

Heavy rain flooded streets in Crossett and Hamburg. Four families in Crossett had to be evacuated.

Columbia County 28 1700CST-2100CST 0 0 5 0 **Flash Flood**

Nevada County 28 1700CST-2100CST 0 0 4 0 **Flash Flood**

Heavy rain caused flash flooding across Columbia and Nevada Counties. Roads went underwater in Magnolia and Emerson in Columbia County, and also in Waterloo in Nevada County. Twenty families had to be evacuated in Magnolia and could not return to their homes until the 30th. County roads were damaged due to gravel being washed away.

Hempstead County 28 1715CST-2000CST 0 0 4 0 **Flash Flood**

Lafayette County 28 1715CST-2000CST 0 0 4 0 **Flash Flood**

Heavy rains flooded roads and washed out bridges. Streets in Hope in Hempstead County were also flooded.

Miller County 28 1730CST-2030CST 0 0 3 0 **Flash Flood**

Heavy rain washed out some county roads and low-water crossings. Texarkana also had some street flooding.

Calhoun County 28 1800CST-2100CST 0 0 4 0 **Flash Flood**

Cleveland County 28 1800CST-2100CST 0 0 4 0 **Flash Flood**

Dallas County 28 1800CST-2100CST 0 0 5 0 **Flash Flood**

Ouachita County 28 1800CST-2100CST 0 0 4 0 **Flash Flood**

Very heavy rain flooded numerous county roads. Low-water bridges went under water and tons of gravel were washed away.

Clark County 28 1815CST-2200CST 0 0 3 0 **Flash Flood**

Heavy rain flooded parts of Highways 128, 7 and 53.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ARKANSAS Cont'd

Union County El Dorado	28	1828CST			0	0	2	0	Thunderstorm Winds (G50) Thunderstorm winds gusting to 58 mph downed trees.
Jefferson County	28	1830CST- 2130CST			0	0	4	0	Flash Flood Heavy rain, often from 1 to 2 inches per hour, caused flooding across Jefferson County. Highways 270 and 365 had to be closed as the water approached 2 feet deep in places. Some homes in White Hall also suffered flood damage.
Union County 1 N El Dorado Strong	28	1837CST			0	0	0	0	Hail (1.75)
	28	1900CST			0	0	2	0	Thunderstorm Winds Thunderstorm winds downed trees on the southern side of Strong.
Ashley County Crossett	28	1945CST			0	0	3	0	Thunderstorm Winds Thunderstorm winds downed some trees and damaged roofs.
Cleveland County Rison	28	1945CST			0	0	2	0	Thunderstorm Winds Thunderstorm winds downed trees in Rison.
Desha County Dumas	28	2010CST			0	0	5	0	Thunderstorm Winds (G52) Winds estimated at 60 mph blew in the front of the Farmers Co-Op Building, took part of the roof off a school, and rolled a mobile home. Other residences suffered roof damage and broken windows.
Arkansas County Stuttgart	28	2030CST- 2330CST			0	0	4	0	Flash Flood Heavy rains flooded much of Stuttgart. Water was reported from 1 to 3 feet deep in many streets. Some homes were also flooded.
Chicot County 2 S Eudora	28	2040CST			0	0	3	0	Thunderstorm Winds Thunderstorm winds downed trees and power lines.
Arkansas County Stuttgart	28	2044CST			0	0	2	0	Thunderstorm Winds Thunderstorm winds downed trees in Stuttgart.
Ashley County	29	0030CST- 0300CST			0	0	3	0	Flash Flood
Chicot County	29	0030CST- 0300CST			0	0	3	0	Flash Flood
Desha County	29	0030CST- 0300CST			0	0	4	0	Flash Flood
Drew County	29	0030CST- 0300CST			0	0	3	0	Flash Flood

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ARKANSAS Cont'd

Heavy rain caused more flooding problems across an already drenched southeastern Arkansas. County roads that had been repaired from earlier flooding, were again washed out. In some areas, the water simply rose higher. In Dermott, in Chicot County, about 20 families had to be evacuated.

**Crittenden County
West Memphis**

29 0200CST-0800CST 0 0 4 0 **Flash Flood**

Heavy rains the night of the 28th and morning of the 29th overwhelmed drainage systems in parts of West Memphis. Water up to 4 feet deep entered several homes on a couple of streets.

**ARZ011-016
South Central
Arkansas**

10-30 0 0 6 6 **River Flood**

April was very wet across south-central Arkansas, resulting in flooding along the Ouachita River. Two slow-moving storm systems during the periods of April 11th-15th and April 26th-29th brought rainfall of 6 to 8 inches, with locally heavier amounts. For the month, some sites across south-central Arkansas were nearly a foot above their normal April rainfall.

Flooding along the Ouachita River mainly affected Calhoun, Union, Bradley, and Ashley Counties. Especially hard hit was Union County. Some 116 homes in the Calion and Felsenthal areas were damaged by floodwaters. In Felsenthal, water was up to 4 feet deep along the only road into town. At Felsenthal Lock and Dam, on April 30th, the river pool was at 82.4 feet and still rising. Normal pool is 65.0 feet.

Thousands of acres of rich farmland were flooded, virtually destroying this year's crops.

**ARZ015-016
Southeastern
Arkansas**

10-30 0 0 6 6 **River Flood**

Rainfall up to 15 inches above normal fell across southeastern Arkansas in April. As a result, the normally small, slow-moving, and meandering Bayou Batholomew became a river up to a mile wide in places.

Desha, Drew, Ashley, and Chicot Counties were most severely affected. In Wilmot, in east Ashley County, 60 families had to be evacuated. Road and bridge damage estimates were about \$1 million. Rich farmland in Ashley and Chicot Counties was flooded, ruining the spring crops.

CALIFORNIA, Northern

**Tulare County
Waukena**

01 1000PDT 0 0 0 0 **Funnel Cloud**

A funnel cloud formed in the unstable air behind a cold front which moved through northern and central California.

**Kern County
Tehachapi Mtns
Mojave Desert**

10 1200PDT-11 0800PDT 0 0 ? ? **High Winds
Blowing Dust**

Strong winds were induced by a pressure gradient between a high over the eastern Pacific and a low in Utah. Gusts to 75 mph were reported in Tehachapi Pass. Winds also caused blowing dust which reduced visibilities to near zero closing State Highway 41. Reports of minor property and crop damage were received.

**Solano County
5 N Nut Tree**

20 1430PDT 0 0 0 0 **Funnel Cloud**

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROD'S	

CALIFORNIA, Northern Cont'd

Kern County
12 NE Rosamond 20 1615PDT 0 0 0 0 Funnel Cloud

Funnel clouds formed in the unstable air behind a cold front which moved through northern and central California.

CALIFORNIA, Southern

CAZALL 10 All Day 0 0 ? 0 High Winds

A strong storm over the central Rockies and high pressure off the west coast, caused strong winds over southern California. Winds of from 25 mph to 45 mph with gusts to over 70 mph, were common. At 0300 PST, Daggett Airport reported a gust to 57 mph and in the Tehachapi Mountains a gust to 70 mph was reported. The strong winds caused widespread areas of blowing dust and sand in the deserts.

CAZ013-018-019 25 All Day 0 0 ? 0 High Winds

Strong winds of from 25 mph to 35 mph with gusts to over 45 mph, hit many mountain and desert areas. At 1300 PST, wind gusts of 44 mph were reported at Lancaster and Daggett. At 2000 PST, Victorville had a wind gust to 50 mph, with blowing dust and sand.

COLORADO

COZ002-004-008-010, Mountains 01 1800MST-
03 1800MST 0 0 0 0 Heavy Snow

A quick-moving, upper-level storm moved over southern Colorado, dropping snow across the mountains. Snowfall ranged from 3 to 8 inches, including 8 inches at Aspen Highlands, Divide, and Westcliffe; 6 inches at Arapahoe Basin and Loveland; 5 inches at La Veta Pass, Crested Butte, Keystone, Snow Mass, Leadville, and Walsenburg; and 4 inches at Sunlight.

Cheyenne County
Kit Carson 03 1915MST 0 0 ? ? Hail (0.75)
Kiowa County
Eads 03 1920MST 0 0 ? ? Hail (0.75)

The public reported hail up to 0.75 inches at Kit Carson and at Eads.

COZ002-004-011-014, Northern and Central Mountains, Front Range, and Pikes Peak/ Palmer Divide 07 1200MST-
09 0000MST 0 0 0 0 Snow

A weak upper-level system moved through Colorado, producing snow in the northern and central mountains and in the Front Range Foothills and Palmer Divide. Snow totals ranged from 2 to 8 inches, including 8 inches at Beaver Creek; 7 inches at Winter Park; 6 inches at Vail; 5 inches at Arapahoe Basin; 4 inches at Aspen Mountain, Copper Mountain, and Loveland; and 3 inches at Breckenridge, Castle Rock, Keystone, Snow Mass, and Limon.

COZ001-003-003-004-008-009-010-011-012-014-015-016, Mountains, Western Valleys, Northwestern Plateau, San Luis Valley, Eastern 10-
13 0 0 0 0 Heavy Snow
High Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

COLORADO Cont'd

Foothills, and Plains

A Pacific storm moved into the Great Basin and closed off, producing heavy snow across much of Colorado. An associated cold front pushed through the state on the 10th, causing high winds in the San Luis Valley and the eastern foothills.

Strong southerly winds ahead of the front blew through the San Luis Valley early on the 10th. Wind speeds were in the 15 to 30 mph range with gusts often above 50 mph. At midmorning, a gust of 82 mph occurred at Sand Dunes, and Alamosa had a gust of 61 mph. Blowing dust reduced visibilities to as low as 1 mile at times. At midafternoon, Pueblo recorded a gust of 58 mph along the southern foothills. Colorado Springs had a gust to 52 mph and Boulder, in the northern foothills, had a gust to 43 mph. As the front continued into the eastern plains, La Junta and Trinidad both recorded gusts in excess of 40 mph.

Snow began in the mountains early on the 10th and spread into the Northeast Plains that evening as upslope conditions developed after frontal passage. The upper low stalled over the Great Basin, keeping snow across the state through the 13th. Snow totals ranged from 3 to 10 inches across the front range and northwest to over 15 inches in the mountains. Snowfall reports included 21 inches at Idaho Springs; 19 inches at Aspen Springs; 18 inches at Berthoud Pass; 15 inches at Arvada (just west of Denver); 14 inches at Rollinsville; 13 inches at Lowland, Snow Mass, Winter Park, and Empire; 11 inches at Beaver Creek; 10 inches at Vail, Doubleheader, and Boulder; 9 inches at Aspen Mountain; 8 inches at Arapahoe Basin, Breckenridge, and Copper Mountain in the mountains and Nunn and Aurora on the plains; 7 inches at Stapleton Airport in Denver; 6 inches at Summitville; and 5 inches at Cortez on the Northwest Plateau.

Elbert County Kiowa

18	1401MST	0	0	?	?	Hail (1.00)
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The sheriff's office reported hail up to 1.00 inch in Kiowa.

Lincoln County Limon

18	1454MST	0	0	?	?	Hail (0.75)
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The National Weather Service Meteorological Observatory at Limon reported hail up to 0.75 inch in diameter covered the ground. Hail had to be plowed from highways.

El Paso County 4 N Ellicott

18	1655MST	0	0	?	?	Hail (0.75)
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The public reported hail up to 0.75 inch in diameter.

Weld County 3 N New Raymer

24	1525MST	0	0	0	0	Hail (0.75)
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The National Weather Service Forecast Office in Cheyenne, Wyoming, relayed a report from northeastern Weld County of dime-size hail.

COZ002-004-008-010 Mountains

25	1800MST-					
27	0600MST	0	0	0	0	Heavy Snow

A fast-moving spring storm brought a quick shot of snow to the Colorado Rockies. Snow totals ranged from 6 to 12 inches, including 12 inches 10 miles northwest of Rye and at Arapahoe Basin and 8 inches at Cuchara.

Arapahoe County Cherry Hills Cherry Hills Village

29	1700MST	0	2	0	0	Lightning
29	1708MST	0	0	3	0	Lightning

Two men were struck by lightning while golfing in Cherry Hills, just south of Denver. The two received only minor burns. Shortly afterward, lightning struck a home several times, leaving numerous holes in the roof. No injuries were reported.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

COLORADO Cont'd

COZ002-004-008- 28-
010-011-014-014 30
Mountains, Pikes
Peak/Palmer Divide
and Eastern
Foothills

0	0	4	0	Heavy Snow
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A Pacific storm system moved across the northern and central Rockies, bringing a very heavy and wet snow to the mountains and foothills. The snow began early on the 28th over the mountains and continued until early on the 30th. Snowfall amounts ranged from 3 to 16 inches, including 16 inches at Evergreen; 14 inches at 7 Utes and Golden Gate Canyon; 13 inches at Cuchara; 12 inches at El Rancho (20 W Denver), Lookout Mountain, San Isabel, and Rye; 8 inches at Conifer and Rand; 7 inches at Doubleheader; 6 inches at Morrison; 5 inches at Idaho Springs and Boulder. The Denver metro area received from 5 to 9 inches with Stapleton Airport measuring 7 inches. Colorado Springs received 3 inches. Pueblo had 2 inches although amounts were higher just west of the city.

At times, snow reduced visibilities to as low as 0.25 mile at Pueblo. The weight of the sticky snow caused power lines to fall and trees to break in parts of the Denver metro area, including Aurora and Westminster.

CONNECTICUT

CTZALL 21 1100EST-
1500EST

0	0	5	0	High Winds
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A "nor'easter" produced wind gusts of 30 to 50 mph knocking down tree limbs and a few trees resulting in scattered power outages affecting several thousand customers statewide.

CTZALL 21 0300EST-
1500EST

0	0	0	0	Heavy Rain
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An intense low moved north into Connecticut from the mid-Atlantic coast and produced 1.5 to 2.5 inches of rain with isolated heavier amounts in the east. Some urban street flooding resulted.

DELAWARE

Kent County
Harrington 24 1500EST

0	0	0	4	Hail (1.75)
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Golf ball-size hail caused damage to orchards.

Sussex County
Redden 24 1500EST

0	0	4	0	Thunderstorm Winds
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A chicken coop (rather large building) was destroyed; its value was estimated at \$15,000. Inspection revealed downburst winds caused the damage.

Sussex County
2 NE Milton 24 1540EST
1 S Milford 24 1540EST

0	0	0	0	Hail (1.00)
0	0	0	0	Thunderstorm Winds (G56)

Winds estimated up to 65 mph (56 kts) blew a police patrol car off the road. A reliable source described the winds in terms of a downburst.

Sussex County
3 NE Lewes 24 1545EST-
1600EST

0	0	0	0	Thunderstorm Winds (G65) Hail (1.00)
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The pilot tower at Cape Henlopen reported 1-inch hail and wind gusts to 65 knots.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

FLORIDA

St. Johns and Duval Counties

Ponte Vedra Beach 08 1705EST 0 0 1 0 Hail (0.75)

Large hail fell for a short time at Ponte Vedra Beach along the border between northern St. Johns County and southeastern Duval County. Lightning damaged wind equipment along Jacksonville Beach. Some brief localized flooding was reported on A1A from Jacksonville Beach to Ponte Vedra Beach.

Escambia County Innerarity Point

08 1900EST 0 1 0 0 Lightning

A 35-year-old man was injured when lightning struck a school building as he was turning on the light switch. He was taken to a local hospital but later released.

Brevard County 5 N Kennedy Space Center

09 2015EST Short 0 0 0 0 Tornado (F0)

A small tornado was observed by fire fighters at the Kennedy Space Center near Playalinda Beach. It touched down briefly but did no apparent damage.

Pinellas County Weedon Island

10 1000EST 1 0 1 0 Thunderstorm Winds

Strong thunderstorm wind gusts overturned a 17-foot motor boat in Tampa Bay near the Gandy Bridge. The two occupants were thrown overboard. An elderly man drowned but his wife was rescued. (M790)

Palm Beach County Boynton Beach Inlet

14 0940EST 0 0 0 0 Waterspout

A waterspout was observed over the Boynton Beach Inlet moving northwest toward shore. It dissipated shortly thereafter before reaching land.

Brevard County 3 E Satellite Beach

17 1315EST 0 0 1 0 Waterspout

A waterspout was observed offshore from Satellite Beach by the Florida Highway Patrol. It dissipated before making shore.

Polk County Lake Kissimmee

18 1855EST-1905EST 0 0 0 0 Waterspout

A waterspout was observed by the Polk County Sheriff's Office over Lake Kissimmee. It dissipated after 10 minutes without affecting the surrounding county areas.

Calhoun County Blountstown

**19 1500EST 0 0 2 0 Thunderstorm Winds
Hail**

A strong thunderstorm moved through Calhoun County producing strong winds and mostly small hail. Roofs were ripped off several lumber storage sheds and pieces of roofs were blown into nearby trees.

Lake County Tavares to Sorrento

20 1933EST-1945EST 0 0 3 0 Hail (1.75)

Golf ball-size hail fell from Tavares to Sorrento, resulting in dented automobile bodies and broken windows.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DAY	TIME LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					K I L L E D	I N J U R E D	P R O P E R T Y	C R O P S	

FLORIDA Cont'd

Madison County Madison	20	2005EST			0	0	2	0	Thunderstorm Winds (G61) Strong thunderstorm winds uprooted several trees and downed some power lines. Pea-size hail fell briefly.
Hamilton County Bellville	20	1945EST			0	0	3	3	Hail (1.75) Golf ball-size hail was reported by the sheriff's office in Bellville. Automobiles and windows were damaged, and some crops, including watermelons and tobacco plants, were destroyed.
Suwannee County Live Oak	20	2030EST			0	0	3	2	Hail (1.75) Golf ball-size hail was reported by the sheriff's office in Live Oak. Gusty winds uprooted a 3-foot-thick slash pine tree and dropped it on the roof of a nearby house.
Alachua and Columbia Counties Gainesville to Lake City	20	2130EST			0	0	4	2	Hail (1.75) Golf ball-size hail fell for 10 to 25 minutes from the University of Florida Campus north through Gainesville and southern Cambia County to Lake City. Tree limbs and shrubs suffered the most damage, although dented automobiles and broken car and house windows were reported.
Clay County Lowry Lake	21	0800EST			1	0	0	0	Thunderstorm Winds A fisherman in a 16-foot aluminum boat was washed overboard and drowned when strong thunderstorm winds and high waves swamped the boat. (M56O)
Clay County Green Cove Springs	23	0755EST			0	0	2	0	Thunderstorm Winds Strong thunderstorm winds uprooted trees and downed power lines.
Putnam County Putnam Hall to Eastern Palatka	23	0812EST			0	2	6	1	Thunderstorm Winds Hail Strong wind gusts blew out store windows, uprooted trees, and toppled power lines and utility sheds. Medium to large hail fell. Most of the damage was at a Chevrolet dealer showroom and an adjacent auto parts store in Palatka. Two people were injured by flying glass at the car dealership. A paper mill east of Palatka suffered damage significant enough to force it to close temporarily.
Union County Lake Butler	23	0830EST			0	0	4	2	Hail (1.00) Thunderstorm Winds Quarter-size hail and strong winds damaged autos, windows, trees, and power lines. Many tobacco plants were destroyed.
Bradford County Starke to Theressa	23	0900EST			0	0	4	1	Thunderstorm Winds Strong downburst winds damaged mobile homes, utility sheds, uprooted trees, and downed power lines.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

FLORIDA Cont'd

Putnam County 1 N Palatka	23	1028EST			0	0	3	0	Thunderstorm Winds
A second strong thunderstorm moved across Putnam County and uprooted more trees, downed power lines, and damaged several mobile homes.									
St. Johns County St. Augustine Shores	23	1110EST	Short		0	0	4	0	Tornado (F0)
A small tornado uprooted trees, downed power lines, and broke windows.									
Brevard County Palm Bay	23	1515EST- 1550EST			0	0	4	2	Hail (2.00) Thunderstorm Winds
Large hail fell over portions of southern Brevard County. Several large trees were uprooted by strong winds.									
Citrus County Lecanto	23	1120EST			0	0	3	1	Thunderstorm Winds (G55)
Wind gusts blew the roof off a mobile home, damaged cars, and uprooted trees.									
Sumter County Lake Panasofkee	23	1225EST			0	0	3	1	Thunderstorm Winds (G55)
Wind gusts blew roofs off mobile homes, tore awnings from houses, and blew away sheds and outbuildings.									
Pasco County Hudson	23	1930EST			0	0	4	0	Thunderstorm Winds
Strong wind gusts struck an outdoor flea market, tearing out most of the supports and collapsing the roof.									
Osceola County Narcoossee	23	1445EST			0	1	5	0	Thunderstorm Winds
Strong downburst winds damaged eight mobile homes just southeast of Narcoossee in northern Osceola County. Several roofs were peeled off and a couple of homes were flipped over. Trees were uprooted and power lines downed.									
Levy County Chiefland	25	1120EST			0	0	1	2	Hail (1.00)
Nickel-size hail fell at Chiefland, damaging mostly trees, shrubs, and other plants.									
Osceola County 3 to 8 N St. Cloud	23	1405EST- 1420EST			0	1	4	0	Thunderstorm Winds
Strong thunderstorm winds uprooted several large trees and damaged 13 mobile homes and RVs. One woman received minor injuries.									
Pinellas County Clearwater	25	1415EST			0	0	5	2	Thunderstorm Winds (G55)
Strong downburst winds lifted the roof off the Pinellas County courthouse and broke out numerous windows in the building. Trees and power lines suffered much damage. Wind gusts to 62 mph were recorded at the St. Pete-Clearwater Airport.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

FLORIDA Cont'd

Sand Key	25	1415EST			0	0	3	0	Hail (1.75)
									Golf ball-size hail damaged trees and power lines, and broke auto and house windows.
Largo	25	1417EST	Short		0	0	2	0	Waterspout Tornado (F0)
									A waterspout moved ashore at Largo, damaging several mobile homes and screen enclosures.
St. Petersburg Beach	25	1425EST			0	0	2	0	Thunderstorm Winds
									A 42-foot boat with several people on board was pushed ashore by strong wind and high waves.
Indian Shores	25	1435EST	0.8	50	0	0	5	0	Tornado (F1)
									A tornado, packing winds to 120 mph damaged several mobile homes, uprooted trees, and tore down power lines.
Hillsborough County 2 S McDill AFB	25	1435EST	0.6	40	0	0	3	0	Tornado (F0)
									A small tornado struck south of the air base damaging mostly trees and power lines.
Manatee County 15 N Sarasota	25	1436EST			0	0	3	0	Thunderstorm Winds
									Strong winds uprooted trees and tore down power lines north of Sarasota.
Sarasota County 8 S Sarasota	25	1500EST			0	0	3	0	Hail (0.75)
									Large hail south of Sarasota damaged cars and broke windows.
Hillsborough County Temple Terrace	25	1500EST	1.0	60	0	0	5	0	Tornado (F1)
									A tornado damaged 25 homes. Five suffered major roof and/or structural damage. Trees were uprooted and power lines downed.
Tampa	25	1500EST			0	0	5	0	Thunderstorm Winds
									The Hillsborough County Crisis Center suffered extensive roof damage from strong winds. Trees were uprooted and power lines downed.
Sarasota County Venice	25	1505EST			0	0	2	1	Thunderstorm Winds
									Strong winds uprooted trees and downed power lines.
Polk County Lakeland	25	1520EST	0.5	40	0	0	3	1	Tornado (F0)
									A small tornado damaged mobile homes, uprooted trees, and downed power lines.
Hardee County 35 WSW Avon Park	25	1530EST			0	0	2	0	Thunderstorm Winds
									Strong winds uprooted trees and downed power lines.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

FLORIDA Cont'd

Charlotte County Port Charlotte	25	1530EST			0	0	2	0	Thunderstorm Winds (G52) Wind gusts to 60 mph uprooted trees and downed power lines.
Hardee County Wauchula	25	1530EST			0	0	2	0	Thunderstorm Winds (G52) Wind gusts to 60 mph flattened trees and downed power lines.
Desota County Arcadia	25	1537EST			0	0	2	0	Thunderstorm Winds (G56) Wind gusts to 65 mph flattened trees and downed power lines. A few mobile homes were also damaged.
Polk County Mulberry	25	1540EST	0.5	40	0	0	2	1	Tornado (F0) A small tornado damaged mobile homes, cars, uprooted trees, and downed power lines.
Bartow	25	1630EST	0.5	50	0	0	3	0	Tornado (F0) A small tornado hit in a mostly rural area uprooting trees and downing power lines.
Winter Haven	25	1600EST			0	0	2	1	Hail (0.75) Large hail damaged mostly trees, plants, and shrubs.
Lake Wales	25	1615EST			0	1	4	1	Thunderstorm Winds Strong winds tore a screen porch from a house. A Goodwill Industries trailer was damaged and the employee inside was injured, suffering a broken wrist.
Highlands County Sebring	25	1615EST			0	0	2	1	Thunderstorm Winds Strong winds blew the roof off a trailer.
Indian River County 4 SW Sebastian	25	1715EST			0	1	4	0	Thunderstorm Winds Strong thunderstorm winds badly damaged three houses under construction in Vero Lakes Estates. One worker was injured by flying glass.
Dade County 2 SW Miami	25	1815EST			0	0	0	0	Thunderstorm Winds Strong thunderstorm winds downed power lines and trees in the western sections of the city of Miami about 2 miles southwest of the Miami International Airport.
Dade County 7 S Miami	25	1910EST			0	1	0	0	Lightning A man was working under a pickup truck when lightning struck nearby. He was paralyzed in both arms and legs.
Palm Beach County Lake Worth	26	0930EST			0	0	0	0	Waterspout A waterspout was observed off the Palm Beach County coastal waters but dissipated rapidly.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME		LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL	STANDARD			KILL	INJURY	PROPERTY	CRODSS	
FLORIDA Cont'd										
Broward County Cooper City	26	1300EST				0	1	0	0	Lightning
Lightning struck a man pushing a lawn mower. He had to be hospitalized but was later released.										
Escambia County Pensacola	29	1545EST-	1555EST			0	0	3	0	Thunderstorm Winds
Strong thunderstorm winds uprooted trees and blew over a light utility shed.										
Nassau County 10 NNE Jacksonville	30	1940EST				0	0	1	0	Thunderstorm Winds
Strong winds uprooted trees and downed power lines at Yulee.										
GEORGIA										
Muscogee County Columbus	07	1430EST				0	0	4	?	Thunderstorm Winds
Numerous trees were blown down by thunderstorm winds over Columbus. Trees blocked streets in the city. Several homes and a car were damaged by trees on the eastern side of Columbus. Utility services were interrupted for about 1,500 customers after falling trees tore down lines and a substation was damaged during the storm.										
Catoosa County Ringgold	08	1515EST				0	0	4	?	Thunderstorm Winds
A few mobile homes were damaged by thunderstorm winds.										
Gilmer County Western Portion	09	1455EST				0	0	?	?	Hail (0.75)
Hall County 5 WSW Gainesville	09	1600EST				0	0	?	?	Hail (1.75)
Although small hail developed across Hall County between 1545 and 1610 EST, the largest hail fell west of Gainesville near Georgia Highway 53.										
Jackson County Jefferson	09	1622EST				0	0	2	?	Thunderstorm Winds Small Hail
	09	1630EST				0	0	2	?	Thunderstorm Winds
Scattered power outages developed around Jefferson when tree limbs tore down power lines.										
Stewart County Countywide	09	1700EST				0	0	3	?	Thunderstorm Winds
Webster County Western Portion	09	1720EST				0	0	3	?	Thunderstorm Winds
Thunderstorm winds uprooted large trees at several locations across Stewart County and over western Webster County. Power lines were torn down, resulting in service interruptions.										
Terrell County Parrott 4 E Parrott	09	1745EST				0	0	3	?	Thunderstorm Winds
Sumter County 4 S Plains	09	1753EST				0	0	3	?	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

GEORGIA Cont'd

Thunderstorm winds tore down a few trees and large limbs, mainly over northern Terrell County near Parrott and southern Sumter County outside of Plains. Utility lines were torn down; scattered outages developed.

**Lee County
Smithville** 09 1815EST 0 0 2 ? **Thunderstorm Winds**

Strong winds tore down large tree limbs and power lines over northern Lee County near Smithville. Isolated outages resulted.

**Fulton County
Atlanta** 09 1900EST 0 0 ? ? **Hail (1.50)**
09 1900EST 0 0 2 ? **Thunderstorm Winds**

Strong winds tore tree limbs and power lines down over Atlanta. Scattered outages left about 4,000 residents without power. Large hail fell in the Buckhead community.

**Morgan County
Madison** 09 1925EST 0 0 ? ? **Hail (0.88)**
**Wilkinson County
Ivey** 09 1930EST 0 0 3 ? **Thunderstorm Winds**

Uprooted trees tore down utility lines; outages developed.

**Chattahoochee County
Fort Benning Army
Reservation** 09 2008EST 0 0 3 ? **Thunderstorm Winds**
**Muscogee County
Columbus** 09 2012EST 0 0 3 ? **Thunderstorm Winds**

Several large trees were blown down by winds over rural and residential areas of northeastern Columbus and at Fort Benning Army Reservation. Scattered outages developed.

**Harris County
1 E Ellerslie** 09 2023EST 0 0 3 ? **Thunderstorm Winds**

Strong winds uprooted a few trees in southeastern Harris County, outside of Ellerslie on Georgia Highway 315. Scattered power outages occurred after lines were torn down.

**Stewart County
8 NE Lumpkin** 09 2040EST 0 0 2 ? **Thunderstorm Winds**

Strong winds tore down tree limbs. The limbs fell onto utility lines and caused isolated outages.

**Newton County
Covington** 09 2040EST 0 0 ? ? **Hail (0.75)**
**Chattahoochee County
4 SE Cusseta** 09 2045EST 0 0 3 ? **Thunderstorm Winds**
**Marion County
Dranesville** 09 2045EST 0 0 3 ? **Thunderstorm Winds**
4 SE Buena Vista

Scattered trees were blown down by thunderstorm winds over southern Chattahoochee and Marion Counties. Utility lines were torn down; outages developed.

**Webster County
5 NE Richland** 09 2045EST 0 0 3 ? **Thunderstorm Winds**

Isolated power outages developed over northern Webster County around Richland after a few trees and limbs fell onto the lines.

**Cherokee County
2 E Ball Ground** 09 2050EST 0 0 ? ? **Hail (1.50)**

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

GEORGIA Cont'd

Taylor County 1 S Reynolds 4 SE Butler	09	2123EST			0	0	3	?	Thunderstorm Winds Several large trees were blown down around Reynolds and outside of Butler.
Crawford County 7 SSW Roberta	09	2126EST			0	0	4	?	Thunderstorm Winds Small Hail
Southern and Eastern Portions	09	2130EST			0	0	3	?	Thunderstorm Winds Numerous trees were uprooted along six roads in southern and eastern Crawford County. Many power outages developed. South of Roberta, a mobile home was overturned. Small hail developed.
Macon County Ideal	09	2200EST			0	0	3	?	Thunderstorm Winds Small Hail Strong winds tore down large limbs and snapped the tops of trees near Ideal.
Bibb County Macon	09	2200EST			0	0	?	?	Hail (1.75)
7 W Macon	09	2200EST			0	0	3	?	Thunderstorm Winds
Houston County Warner Robins	09	2200EST			0	0	?	?	Funnel Cloud Golf ball-size hail developed on the southern side of Macon. A funnel cloud was sighted near Interstate 475 outside of Macon. Scattered trees were uprooted and power lines were torn down in Warner Robins and Macon. Service interruptions developed.
Hall County Gainesville	09	2215EST			0	0	?	?	Hail (1.00)
Baldwin County Milledgeville	09	2230EST			0	0	3	?	Thunderstorm Winds Small Hail
Wilkinson County Irwinton McIntyre Ivey	09	2230EST			0	0	3	?	Thunderstorm Winds Small Hail Numerous trees were blown down onto power lines in Baldwin and Wilkinson Counties. Widespread outages resulted, especially in Wilkinson County.
Greene County White Plains	09	2245EST			0	0	4	?	Thunderstorm Winds A strong thunderstorm produced downburst winds that ripped the roof off an old two-story building, along with a tin porch. Many trees limbs were blown down over a two-block area. Winds were estimated at near 60 mph in the storm.
McDuffie County Thomson	09	2250EST			0	0	3	?	Thunderstorm Winds Lights were destroyed at the McDuffie County Airport during the thunderstorm. The loss of the lights closed the airfield. The replacement cost was \$3,500.
Columbia County Martinez	09	2335EST			0	0	?	?	Hail (1.75)
Martinez	09	2337EST			0	0	3	?	Thunderstorm Winds
Appling	09	2337EST			0	0	3	?	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROSSL	

GEORGIA Cont'd

Numerous trees and large limbs were blown down by strong winds at Appling and Martinez. Power lines were torn down and outages developed in both areas.

Candler County 5 N Metter	10	0015EST			0	0	?	?	Hail (0.88)
Bulloch County 9 NW Statesboro	10	0030EST			0	0	?	?	Hail (1.75)
Forsyth County Cumming	16	1600EST			0	0	?	?	Hail (1.75)
Cumming	16	1600EST			0	0	4	?	Lightning
Countywide	16	1600EST			0	0	2	?	Thunderstorm Winds

Strong winds tore down a few tree limbs and caused isolated power outages over Forsyth County. Lightning hit two trees at a house and damaged every electrical appliance in the home. Damage costs were estimated at over \$2,000. At another house, lightning damaged several small appliances and electrical units, along with the roof and an air conditioning unit.

Bulloch County Statesboro	17	1420EST			0	0	?	?	Hail (0.88)
Statesboro	17	1430EST			0	0	3	?	Flash Flood
Brooklet	17	1430EST			0	0	?	?	Lightning

After 2.5 inches of rainfall, several cars stalled when flash floods developed at Statesboro. Several residential areas were flooded. Lightning caused outages in Brooklet and Statesboro.

Clayton County Riverdale	19	0413EST			0	0	?	?	Hail (0.50)
Jonesboro	19	0630EST			0	0	4	?	Lightning

Lightning struck a house and damaged a bedroom and the home's wiring. A second lightning strike near the house destroyed two trees and the water lines of two nearby houses.

Gilmer County 7 NE Ellijay	19	1115EST			0	0	?	?	Hail (0.50)
Hall County 3 NE Gainesville	19	1342EST			0	0	3	?	Thunderstorm Winds
Northern Portion	19	1345EST			0	0	3	?	Thunderstorm Winds

Scattered trees were blown down onto power lines over northern Hall County and around Gainesville, resulting in utility service interruptions.

Troup County Hogansville	19	1448EST			0	0	?	?	Hail (1.75)
Madison County 7 NE Ila	19	1510EST			0	0	?	?	Hail (0.75)
Colbert	19	1515EST			0	0	?	?	Hail (0.75)
Fulton County Atlanta	19	1540EST			0	0	?	?	Hail (0.88)
Lee County Leesburg	19	1545EST			0	0	?	?	Funnel Cloud
Dougherty County Albany	19	1630EST			0	0	?	?	Hail (0.88)
Twiggs County 12 W Jeffersonville	19	1640EST			0	0	?	?	Hail (1.00)
Cherokee County 1 E Ball Ground	19	1640EST			0	0	?	?	Hail (1.50)
McDuffie County Thomson	19	1640EST			0	0	4	?	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

GEORGIA Cont'd

**Barnett
Harlem** 19 1655EST 0 0 2 ? **Thunderstorm Winds**

Strong winds ripped off part of a school gym's roof in Thomson. Several large trees and limbs were downed and two utility poles were broken. In southern McDuffie County, several transformers were struck by lightning. Uprooted trees and limbs tore down many lines in Thomson, one in Barnett, and one in Harlem. Outages developed.

**Houston County
Warner Robins** 19 1655EST 0 0 ? ? **Hail (0.50)**

**Lanier County
3 W Lakeland** 19 1710EST 0 0 2 ? **Thunderstorm Winds**

Thunderstorm winds tore down tree limbs and power lines near Lakeland. Scattered outages resulted.

**Newton County
1 S Covington** 19 1725EST 0 0 ? ? **Hail (0.75)**

**Walton County
6 WNW Monroe** 19 1745EST 0 0 ? ? **Hail (0.50)**

**Chattahoochee County
Fort Benning Army
Reservation** 19 1745EST 0 0 3 ? **Thunderstorm Winds**

Numerous trees and large limbs were blown down by the winds.

**Colquitt County
Doerun** 20 1730EST 0 0 5 7 **Hail (1.75)**

Funston 20 1745EST 0 0 5 7 **Hail (1.75)**

Moultrie 20 1800EST 0 0 4 ? **Thunderstorm Winds**

Moultrie 20 1800EST 0 0 5 7 **Hail (2.50)**

Berlin 20 1820EST 0 0 4 ? **Thunderstorm Winds**

Berlin 20 1820EST 0 0 5 7 **Hail (2.50)**

**Brooks County
Barney** 20 1900EST 0 0 5 7 **Hail (1.75)**

20 1900EST 0 0 3 ? **Thunderstorm Winds**

Strong thunderstorms moved across central and southern Colquitt County and produced widespread wind and hail damage. The path of the largest hail was near 30 miles long and 2 miles wide across central Colquitt County to Barney in Brooks County. The hardest hit area of crop damage was along Georgia Highway 33 around Berlin. Thunderstorm winds were estimated at over 55 mph. Several houses around Moultrie and Berlin were blown off their foundations. Widespread power outages developed after utility lines were torn down by winds and falling trees. Most of the trees were downed around Moultrie and Berlin in Colquitt County and around Barney in Brooks County.

In Colquitt County, over 550 automobiles and nearly 180 buildings had substantial hail damage, along with other properties. In Brooks County, substantial property damage also occurred. No human injuries occurred, although chickens and livestock were killed during the storms. Widespread crop damage occurred in both Colquitt and Brooks Counties due to the hail. Losses in Brooks County were estimated at more than \$5 million. Crop losses were estimated at more than \$36 million in Colquitt County. Major damage occurred to peaches, pecans, squash, tobacco, corn, cabbage, watermelon, and other crops across the two counties.

**Dougherty County
Albany** 20 1740EST 0 0 3 ? **Hail (1.75)**

An automobile had damage from hail.

**Worth County
Western Portion** 20 1740EST 0 0 ? 6 **Hail (1.75)**

20 1740EST 0 0 ? 6 **Hail (0.75)**

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

GEORGIA Cont'd

Large hail caused scattered crop damages on several farms in western Worth County and around Sylvester.

Crisp County
8 E Cordele
8 SE Cordele
Hatley

20 1815EST 0 0 ? 7 Hail (1.75)

Large hail developed over eastern Crisp County around Georgia Highway 90 and U.S. Highway 280. Damage occurred to corn, watermelon, cantaloupe, and other crops.

Toombs County
Vidalia
Countywide

20 1830EST 0 0 ? 6 Hail (0.75)
20 1930EST 0 0 ? 7 Hail (1.75)

About 40 percent of the county's Vidalia onion crop was damaged during hailstorms. The greatest damages occurred around the South Thomson community.

Lowndes County
3 S Valdosta
3 NW Valdosta
Northwestern
Portion
Valdosta
Lake Park

20 1915EST 0 0 ? 6 Hail (1.75)
20 1920EST 0 0 ? 3 Thunderstorm Winds
20 1930EST 0 0 ? 6 Hail (0.75)
20 1955EST 0 0 4 ? Thunderstorm Winds

Large hail developed over several areas of Lowndes County and caused crop damages. Large trees were blown down by strong thunderstorm winds over Lowndes County, including Lake Park and around Valdosta. Two homes near the Valdosta Regional Airport had extensive roof damages from uprooted trees. Utility outages developed in Valdosta and around Lake Park, after trees and limbs fell on lines.

Macon County
Montezuma

22 Afternoon 0 0 4 ? Lightning

Lightning struck a tree and dug a 10-foot-long trench in the ground. The strike killed a dog, damaged three vehicles, burned out several appliances, and damaged audio-visual equipment in a nearby house.

Newton County
Mansfield
Newborn

27 Morning 0 0 4 ? Thunderstorm Winds

Strong thunderstorm winds uprooted numerous trees from Mansfield to Newborn. Uprooted trees caused roof damage and other major structural damages to several homes.

Treutlen County
4 E Soperton

27 1500EST 0.1 25 0 5 5 ? Tornado (F1)

A very small tornado touched down east of Soperton and moved northeast over a farm. Three mobile homes were destroyed and two others were severely damaged, along with a fence. One of the trailers was lifted off its foundation and carried about 40 feet before it fell. A few trees were uprooted near the tornado damage. The tornado quickly dissipated. Five residents were treated for minor injuries.

Candler County
Aline
Metter

27 1520EST 0 0 ? ? Hail (0.75)
27 1530EST 0 0 2 ? Thunderstorm Winds

Thunderstorm winds tore down a few tree limbs and caused an isolated power outage at Metter.

Bulloch County
Portal

27 1610EST 0 0 2 ? Thunderstorm Winds

Thunderstorm winds pushed a large tree across a road in Portal.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

GEORGIA Cont'd

Evans County Claxton	27	1645EST			0	0	?	?	Hail (0.50)
Polk County 4 WNW Cedartown	27	1655EST			0	0	4	?	Thunderstorm Winds
Thunderstorm winds uprooted several trees between Cedartown and Cave Springs. A few vehicles were damaged when trees fell upon them.									
Haralson County Countywide Bremen	27	1659EST			0	0	3	?	Thunderstorm Winds
An abandoned building was damaged by thunderstorm winds. At Bremen, a tree was uprooted.									
Floyd County Countywide	27	1715EST			0	0	4	?	Thunderstorm Winds
Numerous trees were uprooted over Floyd County. Many utility outages developed and some homes were damaged by falling trees.									
Douglas County Winston Villa Rica Waco	27	1730EST			0	0	3	?	Thunderstorm Winds
Scattered trees were blown down by winds over the county. Many outages occurred after lines were torn down by uprooted trees.									
Heard County Northern Portion	27	1730EST			0	0	3	?	Thunderstorm Winds
Numerous trees were uprooted over northern Heard County.									
Cobb County 2.5 S Woodstock	27	1745EST	Short	30	0	3	5	?	Tornado (F0)
A very small tornado dipped down near the Cherokee-Cobb county line and destroyed a steel warehouse. The tornado jumped across the highway and touched down again briefly. The tornado leveled a liquor store and returned into its parent thunderstorm. A large metal sign nearby was twisted along with one tree. Debris from the liquor store was strewn about 100 yards and caused minor damage to two businesses located behind the liquor store. Several people had minor injuries, mainly cuts, from the storm. Damage costs were over \$200,000.									
Marietta	27	1800EST	2.0		0	0	5	?	Thunderstorm Winds
Downburst winds caused damage to several county buildings and uprooted a few trees. The storm moved east-northeast across two neighborhoods near Georgia Highway 5.									
Numerous trees were uprooted in both neighborhoods. About 30 homes and a few businesses were damaged by the trees over the path of the storm, including one house where winds ripped off the porch and dropped it about 50 feet away. Three homes were not habitable.									
Several automobiles were damaged by uprooted trees. Two cars were overturned; several others were shifted by the winds. The winds and uprooted trees tore down utility poles and lines over the 2-mile area. About 200 customers had no utility service. Damage costs were estimated at over \$300,000, excluding the costs to remove the trees.									
Fulton County East Point	27	1745EST			0	0	3	?	Thunderstorm Winds
Many trees were pushed into power lines; outages resulted.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

GEORGIA Cont'd

**Floyd County
Countywide
Rome**

27	1800EST				0	0	4	0	Thunderstorm Winds
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Numerous trees and power lines were downed over Floyd County. Widespread outages developed. Uprooted trees caused property damage over the county. One house was severely damaged in Rome.

**Clayton County
Countywide
2 N Jonesboro**

27	1807EST				0	0	3	?	Thunderstorm Winds
27	1807EST	1.0			0	3	5	?	Thunderstorm Winds

Scattered trees, power lines, and signs were downed by strong winds over Clayton County. Many power outages developed.

In Jonesboro, downburst winds caused a five-car accident when one car was lifted several feet into the air and dropped onto another car. Three motorists were seriously injured. As the storm moved east-northeast over a business district and several neighborhoods, numerous trees were uprooted or snapped. The roof of one business was lifted, carried over 100 feet, and dropped across the road. Several homes, businesses, structures, signs, and other properties were damaged. Uprooted trees and fallen traffic lights damaged several vehicles along the storm's path. Approximately 2,000 customers were left without utility services over the area.

**De Kalb and
Gwinnett Counties
Doraville to
Norcross**

27	1815EST	2.7			0	0	6	?	Thunderstorm Winds
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A strong thunderstorm caused extensive, straight-line wind damage from Doraville to Norcross. Severe damage occurred to several stores and other buildings as the storm tracked due east into Gwinnett County, where the worst damage occurred. Mainly trees and signs were damaged in Doraville.

Near the beginning of the trail, roofing, torn off poorly-constructed storage sheds at a lumberyard, landed in power lines and started a fire. A guard shed was blown 150 feet across the street. An ice cream shop lost part of its roof. Some of the insulation from the lumberyard landed a half mile away as the storm moved toward an industrial park in Norcross.

Trees, utility poles, and lines were blown down along the path from Doraville. Several smaller structures, homes in two subdivisions, an apartment complex, and other properties were damaged, including a sailboat that was tangled in power lines and several vehicles. Natural gas lines were ruptured by uprooted trees. Widespread outages developed in the area.

In Norcross, about six buildings in an industrial park had severe damage when walls were blown down and portions of their roofs were ripped off. Some contents of the businesses were damaged from exposure to heavy rainfall and the winds. A few warehouse buildings had minor damage to windows, roofs, bushes, and signs. Damage costs were estimated at over \$2 million.

**De Kalb County
Decatur**

27	1830EST				0	0	3	?	Thunderstorm Winds
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A few trees and limbs were blown down. One house was damaged by a falling tree.

**Newton County
Countywide**

27	1840EST				0	0	3	?	Thunderstorm Winds Small Hail
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**Rockdale County
Countywide**

27	1845EST				0	0	3	?	Thunderstorm Winds
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**Henry County
Stockbridge
Countywide**

27	1845EST				0	0	3	?	Thunderstorm Winds
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

GEORGIA Cont'd

Numerous trees were uprooted over Newton, Rockdale, and Henry Counties. Scattered power outages developed over the three-county area after lines were torn down. In Rockdale County, a church building was demolished by an uprooted tree.

Spalding County 5 N Griffin Griffin

27	1845EST			0	0	?	?	Funnel Cloud
27	1845EST			0	0	2	?	Thunderstorm Winds

One tree was uprooted and scattered limbs were blown down by the winds. Power outages developed after lines were torn down.

Walton County Countywide

27	1840EST			0	0	3	?	Thunderstorm Winds
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Numerous trees and power lines were downed by thunderstorm winds over Walton County. Utility services were interrupted.

Fayette County Fayetteville

27	1853EST			0	0	3	?	Thunderstorm Winds
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A few trees were uprooted by thunderstorm winds.

Upson County Thomaston

27	1900EST			0	0	3	?	Thunderstorm Winds
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Several uprooted trees fell onto power lines. Power outages resulted.

Rockdale County Conyers Conyers Conyers

27	1900EST			0	0	4	?	Thunderstorm Winds
27	1900EST			0	0	3	?	Lightning
27	1915EST			0	0	3	?	Lightning

About 1900 EST, a large billboard was blown down by the winds and damaged two recreational vehicles. Damages were estimated at \$20,000. At 1900 EST, lightning hit a cable connection and caused minor damage to a home. At 1915 EST, a small fire caused minor damage after lightning struck another house.

Barrow County Northern Portion

27	1900EST			0	0	3	?	Thunderstorm Winds
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Jackson County Northwestern Portion

27	1915EST			0	0	3	?	Thunderstorm Winds
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Scattered trees were uprooted and power lines were torn down during thunderstorms over Barrow and Jackson Counties. Utility services were interrupted.

Jasper County

Mansfield Northern Portion 3 NNW Monticello

27	1905EST			0	0	4	?	Thunderstorm Winds
27	1915EST			0	0	3	?	Thunderstorm Winds
27	1920EST			0	0	3	?	Thunderstorm Winds

Numerous trees were uprooted over northern Jasper County, especially along Georgia Highways 82 and 11, in Mansfield and in Monticello. Widespread power outages developed.

At Mansfield, a few homes were damaged by uprooted trees. A workshop was lifted by the winds and lost its roof. Damage occurred in the business district near Georgia Highway 11.

Clarke County Athens

27	1920EST			0	0	3	?	Thunderstorm Winds
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

GEORGIA Cont'd

Scattered trees were uprooted over Athens. A few power outages developed after utility lines were torn down.

Franklin County
1 NNW Royston
Lavonia 27 1930EST 0 0 4 ? **Thunderstorm Winds**

Many trees were uprooted by the winds and tore down utility lines at Royston and Lavonia. Near Georgia Highway 77 at Lavonia, strong winds snapped the tops out of trees about 15 feet above the ground. A storage building was blown away and the roof of a mobile home was blown off.

Greene County
Countywide 27 1930EST 0 0 3 ? **Thunderstorm Winds**

Numerous trees were uprooted over Green County. Many power lines were torn down. Utility services were interrupted.

Monroe County
3 N Forsyth
7 N Forsyth 27 1930EST 0 0 3 ? **Thunderstorm Winds**

Scattered trees were uprooted and power lines were torn down along Georgia Highway 42 north of Forsyth.

Madison County
5 S Franklin
Springs
4 SSW Royston 27 1930EST 0 0 3 ? **Thunderstorm Winds**

Scattered trees were uprooted and power lines were torn down over northeastern Madison County.

Toombs County
4 E Lyons 27 1930EST 0 0 ? ? **Hail (1.75)**

Large hail developed over northern Toombs County about 4 miles east of Lyons along Georgia Highway 292.

Tattnall County
3 W Collins 27 1935EST 0 0 ? ? **Hail (1.75)**
Oglethorpe County
Southern Portion 27 1935EST 0 0 3 ? **Thunderstorm Winds**

Power lines were torn down by uprooted trees; scattered outages resulted.

Morgan County
Madison
1 N Godfrey 27 1935EST 0 0 3 ? **Thunderstorm Winds**

Scattered trees were uprooted in Godfrey and Madison. Cable, telephone, and electricity lines were torn down, resulting in service interruptions. In Madison, one house was damaged by a falling tree. One utility pole was blown down in Godfrey.

Evans County
Daisy 27 2005EST 0 0 ? ? **Hail (1.75)**

Talbot County
Talbotton 27 2010EST 0 0 ? ? **Hail (1.75)**

Taylor County
Howard 27 2045EST 0 0 3 ? **Thunderstorm Winds**

Numerous power lines were torn down when strong winds pushed trees and large limbs into the lines.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

GEORGIA Cont'd

Twiggs County 1 N Jeffersonville	27	2055EST			0	0	?	?	Hail (0.75)
Gordon County Calhoun	28	1450EST			0	0	?	?	Hail (0.50)
Bartow County Countywide	28	1515EST			0	0	3	?	Thunderstorm Winds

A few trees and large limbs were torn down by winds across the county.

Cherokee County Woodstock	28	1530EST			0	0	?	?	Hail (0.75)
Ball Ground	28	1600EST			0	0	3	?	Thunderstorm Winds
5 NE Ball Ground									

Scattered trees were blown down around Ball Ground and near the junction where Cherokee, Dawson, and Pickens county borders meet. At Ball Ground, the roof of a house was damaged by a falling tree. Power lines were torn down; power outages developed over northeastern Cherokee County.

Gwinnett County 3 NE Stone Mountain	28	1630EST			1	0	?	?	Lightning
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Lightning killed a man while he mowed his lawn. The lightning also damaged two trees. (M390)

Clayton County Jonesboro	28	1630EST			0	0	2	?	Thunderstorm Winds
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Scattered power lines were torn down by tree limbs, resulting in isolated outages.

Hall County Gainesville	28	1645EST			0	0	3	?	Thunderstorm Winds
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Scattered trees were uprooted by thunderstorm winds.

Habersham County Clarkesville	28	1650EST			0	0	4	?	Thunderstorm Winds
1 N Alto	28	1650EST			0	0	3	?	Thunderstorm Winds
Cornelia									

Scattered trees were blown down by the winds. Four homes were damaged by uprooted trees. Part of the roof was blown off a business. Around Clarkesville, about 3,000 customers were without electricity after trees fell onto power lines and five poles were broken. Considerable damage occurred around U.S. Highway 441.

Minor storm damage occurred around Alto and Cornelia, with a few brief outages.

Muscogee County Columbus	28	1650EST			0	0	3	?	Thunderstorm Winds
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Scattered trees and large limbs were blown down by winds across Columbus as storms moved across Muscogee County.

Harris County Hamilton	28	1710EST			0	0	3	?	Thunderstorm Winds
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Numerous power outages developed after strong winds pushed trees and limbs onto the utility lines.

Stephens County Toccoa	28	1718EST			0	0	?	?	Funnel Cloud
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

GEORGIA Cont'd

Marion County Countywide	28	1745EST			0	0	3	?	Thunderstorm Winds
Numerous trees and large limbs were blown down by strong winds across Marion County. Widespread power outages developed after lines were torn down.									
Clayton County 3 NW Jonesboro	28	Evening			0	0	2	?	Thunderstorm Winds
Strong winds uprooted a large tree.									
Houston County 4 N Perry	28	1905EST			0	0	3	?	Thunderstorm Winds
Scattered trees were uprooted by thunderstorm winds. Power lines were torn down, resulting in service interruptions.									
Bulloch County Brooklet	28	2130EST			0	0	4	?	Thunderstorm Winds
A 10-horse barn was destroyed by thunderstorm winds near Brooklet.									
Chatham County 5 S Savannah	28	2215EST			0	0	?	?	Hail (0.75)
Savannah	28	2330EST			0	0	?	?	Hail (1.00)
Savannah	28	2330EST			0	0	2	?	Thunderstorm Winds
11 SE Savannah	28	2335EST			0	0	?	?	Hail (0.88)
A large tree was toppled in Savannah.									
Floyd County 4 NW Cave Springs	29	1030EST			0	0	?	?	Funnel Cloud
Douglas County Villa Rica	29	1100EST			0	0	?	?	Funnel Cloud
Haralson County Bremen	29	1105EST			0	0	?	?	Funnel Cloud
Cobb County Acworth	29	1110EST			0	0	?	?	Funnel Cloud
Cherokee County Countywide	29	1110EST			0	0	2	?	Thunderstorm Winds
Pickens County Jasper	29	1110EST			0	0	2	?	Thunderstorm Winds
Scattered power outages developed after thunderstorm winds tore down tree limbs across Cherokee County and around Jasper in Pickens County.									
Carroll County Bowden	29	1115EST			0	0	2	?	Thunderstorm Winds
Strong winds tore down tree limbs and power lines. Power outages resulted.									
Paulding County Dallas	29	1138EST			0	0	?	?	Hail (0.75)
Douglas County 4 SW Douglasville	29	1148EST			0	0	?	?	Funnel Cloud
Cobb County Austell	29	1150EST			0	0	?	?	Funnel Cloud
2 W Kennesaw	29	1150EST			0	0	?	?	Funnel Cloud
Douglas County 4 NW Douglasville	29	1157EST			0	0	?	?	Funnel Cloud

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

GEORGIA Cont'd

A funnel cloud was sighted northwest of Douglasville near the Douglas-Paulding county line.

Cobb County
Smyrna 29 1230EST 0 0 2 ? Thunderstorm Winds

Large tree limbs and power lines were torn down around Smyrna.

Fulton County
Roswell 29 1230EST 0 0 ? ? Funnel Cloud

Dawson County
Southern Portion 29 1230EST 0 0 3 ? Thunderstorm Winds

Numerous trees were uprooted as thunderstorms moved across southern Dawson County.

Cobb County
3 W Charlie Brown 29 1245EST 0 0 ? ? Funnel Cloud

Carroll County
Franklin 29 1300EST 0 0 3 ? Thunderstorm Winds

Strong winds tore down trees and power lines. Power outages developed.

Troup County
LaGrange 29 1326EST 0 0 ? ? Funnel Cloud
29 1332EST 0 0 ? ? Funnel Cloud

Funnel clouds were sighted in two areas of LaGrange.

Paulding County
7 NE Dallas 29 1335EST 0 0 ? ? Hail (1.00)

Lumpkin County
Southern Portion 29 1340EST 0 0 3 ? Thunderstorm Winds

Numerous trees were uprooted as thunderstorms moved across southern Lumpkin County.

Hall County
1 N Lula 29 1340EST 0 0 ? ? Funnel Cloud

Gwinnett County
Sugar Hill 29 1350EST 0 0 3 ? Thunderstorm Winds
Loganville

Scattered power outages developed over Gwinnett County after winds uprooted trees and tore down power lines.

Hall County
Lula 29 1405EST 0 0 2 ? Thunderstorm Winds

A few trees were uprooted around Lula.

Fulton County
College Park 29 1413EST 0 0 ? ? Hail (0.88)
Roswell 29 Afternoon 0 1 ? ? Lightning

A man was hospitalized after being struck by lightning.

Gwinnett County
2 N Buford 29 1425EST 0 0 5 ? Thunderstorm Winds

Hall County
3 N Buford 29 1425EST 0 0 5 ? Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

GEORGIA Cont'd

Strong thunderstorm winds damaged about 20 homes around the Gwinnett-Hall county line just north of Buford. In Buford and an adjoining subdivision on Lake Lanier in Hall County, uprooted trees and wind-blown debris caused considerable property and automobile damage. Gas leaks developed over the area.

In Hall County on the lake, six bathhouses were missing and a 30-ton houseboat was moved onto land. Numerous trees were downed around Lake Lanier.

Stephens County Toccoa	29	1458EST			0	0	?	?	Hail (1.75)
Quitman County Georgetown	29	1459EST			0	0	3	?	Thunderstorm Winds
	29	1459EST			0	0	?	?	Hail (1.00)

Numerous trees and large limbs were torn down by thunderstorm winds. Widespread power outages developed after lines were torn down during the storm.

Gwinnett County Snellville	29	1505EST			0	0	?	?	Hail (0.75)
Barrow County Bethlehem	29	1523EST			0	0	?	?	Hail (0.75)
Chattahoochee County Countywide	29	1523EST			0	0	3	?	Thunderstorm Winds
Cusseta	29	1523EST			0	0	?	?	Hail (1.00)
Muscookee County Countywide Columbus	29	1523EST			0	0	3	?	Thunderstorm Winds

Numerous trees and large limbs were pushed into utility lines across Chattahoochee and Muscookee Counties, especially at Columbus and around Cusseta. Widespread power outages resulted.

Habersham County Extreme Southwestern Portion	29	1530EST			0	0	3	?	Thunderstorm Winds
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Scattered trees were uprooted and power lines were torn down near the Habersham-Banks county line.

Hart County Hartwell	29	1530EST			0	0	?	?	Hail (0.75)
Elbert County Elberton	29	1530EST			0	0	?	?	Hail (0.75)
Elberton	29	1530EST			0	0	?	?	Thunderstorm Winds (G52)
White County Cleveland	29	1530EST			0	0	3	?	Thunderstorm Winds Small Hail
3 E Cleveland 3 S Cleveland	29	1530EST			0	0	3	?	Thunderstorm Winds

Scattered trees and power lines were downed around Cleveland.

Stewart County Countywide	29	1535EST			0	0	3	?	Thunderstorm Winds
Richland	29	1535EST			0	0	?	?	Hail (0.75)

Numerous power outages developed across Stewart County after the strong winds pushed trees and large limbs onto utility lines.

Muscookee County Columbus	29	1537EST			0	0	?	?	Funnel Cloud
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K I L O M E T E R S	I N J U R I E S	P R O P E R T Y	C R O S S E S	

GEORGIA Cont'd

Marion County									
Buena Vista	29	1550EST			0	0	3	?	Thunderstorm Winds
	29	1550EST			0	0	?	?	Hail (0.75)

Numerous trees and large limbs fell onto power lines around Buena Vista during the storm. Widespread outages resulted.

Jackson County									
5 S Commerce	29	1600EST			0	0	?	?	Hail (0.75)
Wilkes County									
Rayle	29	1600EST			0	0	?	?	Hail (1.75)
Newton County									
Covington	29	1600EST			0	0	?	?	Thunderstorm Winds (G52)
Morgan County									
Madison	29	1607EST			0	0	?	?	Hail (0.88)
Clarke County									
Northern Portion	29	1630EST			0	0	?	?	Hail (1.00)
Madison County									
Southwestern Portion	29	1630EST			0	0	?	?	Hail (1.00)
Jackson County									
Southeastern Portion	29	1630EST			0	0	?	?	Hail (1.00)

Hail occurred where the borders of Clarke, Jackson, and Madison Counties meet.

Franklin County									
4 W Royston	29	1630EST			0	0	2	0	Thunderstorm Winds

Thunderstorm winds tore down large tree limbs in Victoria Bryant State Park, off U.S. Highway 29.

Taylor County									
Countywide	29	1635EST			0	0	3	?	Thunderstorm Winds
5 S Butler	29	1635EST			0	0	?	?	Hail (1.75)

Numerous power outages developed across Taylor County after the winds pushed trees and large limbs into the utility lines.

Oglethorpe County									
Lexington	29	1652EST			0	0	?	?	Hail (0.75)
Marion County									
Buena Vista	29	1700EST			0	0	4	?	Thunderstorm Winds
Chattahoochee County									
Countywide	29	1700EST			0	0	3	?	Thunderstorm Winds
Fort Benning Army Reservation									
Stewart County									
5 S Charles	29	1700EST			0	0	4	?	Thunderstorm Winds

Numerous trees were uprooted or broken over Chattahoochee, Marion, and Stewart Counties. In Marion County, a house in Buena Vista was damaged by an uprooted tree. The roof was blown off a barn south of Charles off Georgia Highway 39. Numerous utility lines were torn down across the three-county area. Widespread outages resulted.

Sumter County									
Americus	29	1705EST			0	0	?	4	Thunderstorm Winds

Scattered crop damage occurred around Americus due to the winds. Large tree limbs fell onto power lines and caused interruptions in the utility services.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	
McDuffie County 9 SE Thomson	29	1830EST			0	0	?	?	Hail (0.50)
	Small hail developed near the McDuffie-Warren county line along Georgia Highway 17.								
Crisp County Cordele	29	1905EST			0	0	4	?	Thunderstorm Winds
Cordele	29	1905EST			0	0	?	?	Lightning
	At Georgia Highway 90, the roof was blown off a house. At least five utility poles were blown down in Cordele. Lightning damaged a substation.								
Colquitt County Doerun	29	1930EST			0	0	2	?	Thunderstorm Winds
	Scattered tree limbs were downed near Doerun.								
Chatham County Savannah	30	1400EST			0	1	3	?	Lightning
	30	1400EST			0	0	3	?	Thunderstorm Winds
5 E Savannah	30	1415EST			0	0	?	?	Hail (0.75)
	A Savannah Police Department dispatcher was injured when lightning entered the radio system and shocked him through his headset. The communication system was damaged by the lightning.								
	Trees were blown down in Savannah. Several transformers were damaged by falling trees and limbs. Power outages resulted. Hail developed east of the city along U.S. Highway 80 between downtown Savannah and Tybee Island.								
Mitchell County 3 N Pelham	30	1450EST			0	0	2	?	Thunderstorm Winds
Worth County 5 S Sylvester	30	1450EST			0	0	2	?	Thunderstorm Winds
	Scattered tree limbs were broken by thunderstorm winds around Pelham in Mitchell County and Sylvester in Worth County. Power lines were torn down by lightning; isolated outages resulted.								
McIntosh County Sapelo Island	30	1605EST			0	0	2	?	Thunderstorm Winds
	A large tree was pushed onto utility lines on the southern end of the island. Brief power outages resulted.								
Chatham County Southern Portion	30	1605EST			0	0	3	?	Flash Flood
	Flash flooding developed over southern Chatham County as heavy rainfall continued.								
Savannah	30	1620EST- 1900EST			0	0	6	?	Flash Flood
	A series of thunderstorms developed over Chatham County as early as 1400 EST. Rainfall amounts in the storms totalled near 6.0 inches in some locations. The heaviest rain fell over southern Chatham County and Savannah after 1700 EST and flooded many areas of Savannah.								
	Several areas quickly accumulated up to 4 feet of standing water. Driving conditions quickly deteriorated over Chatham County and several motorists were stranded in the widespread flooding. Cars were damaged after a mall and its parking lot flooded.								

GEORGIA Cont'd

McDuffie County
9 SE Thomson

29 1830EST 0 0 ? ? **Hail (0.50)**

Small hail developed near the McDuffie-Warren county line along Georgia Highway 17.

Crisp County
Cordele
Cordele

29 1905EST 0 0 4 ? **Thunderstorm Winds**
29 1905EST 0 0 ? ? **Lightning**

At Georgia Highway 90, the roof was blown off a house. At least five utility poles were blown down in Cordele. Lightning damaged a substation.

Colquitt County
Doerun

29 1930EST 0 0 2 ? **Thunderstorm Winds**

Scattered tree limbs were downed near Doerun.

Chatham County
Savannah

30 1400EST 0 1 3 ? **Lightning**
30 1400EST 0 0 3 ? **Thunderstorm Winds**
30 1415EST 0 0 ? ? **Hail (0.75)**

A Savannah Police Department dispatcher was injured when lightning entered the radio system and shocked him through his headset. The communication system was damaged by the lightning.

Trees were blown down in Savannah. Several transformers were damaged by falling trees and limbs. Power outages resulted. Hail developed east of the city along U.S. Highway 80 between downtown Savannah and Tybee Island.

Mitchell County
3 N Pelham

30 1450EST 0 0 2 ? **Thunderstorm Winds**
Lightning

Worth County
5 S Sylvester

30 1450EST 0 0 2 ? **Thunderstorm Winds**

Scattered tree limbs were broken by thunderstorm winds around Pelham in Mitchell County and Sylvester in Worth County. Power lines were torn down by lightning; isolated outages resulted.

McIntosh County
Sapelo Island

30 1605EST 0 0 2 ? **Thunderstorm Winds**

A large tree was pushed onto utility lines on the southern end of the island. Brief power outages resulted.

Chatham County
Southern Portion

30 1605EST 0 0 3 ? **Flash Flood**

Flash flooding developed over southern Chatham County as heavy rainfall continued.

Savannah

30 1620EST-
1900EST 0 0 6 ? **Flash Flood**

A series of thunderstorms developed over Chatham County as early as 1400 EST. Rainfall amounts in the storms totalled near 6.0 inches in some locations. The heaviest rain fell over southern Chatham County and Savannah after 1700 EST and flooded many areas of Savannah.

Several areas quickly accumulated up to 4 feet of standing water. Driving conditions quickly deteriorated over Chatham County and several motorists were stranded in the widespread flooding. Cars were damaged after a mall and its parking lot flooded.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

GEORGIA Cont'd

Heavy rainfall continued throughout the evening and, combined with the high tide at 2104 EST, flooding worsened over the city. A nursing home and about 55 families were evacuated as the water rose to 5 feet. Extensive property damage resulted.

Glynn County Brunswick

30 Afternoon 0 0 ? ? **Lightning**

Lightning damaged several transformers near downtown Brunswick and left about 3,000 customers without power.

Cook County 5 N Adel

30 1715EST 0.1 20 0 0 3 ? **Tornado (FO)**

A small tornado touched down and moved northeast across an open field. Minor damages occurred due to debris from the trees.

Berrien County Alapaha

30 1740EST 0 0 3 ? **Thunderstorm Winds**

Several trees were blown down by strong winds across power lines at Alapaha near U.S. Highway 82.

Chatham County Southern Portion

30 1718EST 0 0 2 ? **Thunderstorm Winds**

Large tree limbs were torn down by thunderstorm winds.

IDAHO

Southern Idaho

01-30 0 0 ? ? **Extreme Drought**

Most of southern Idaho remained in severe to extreme drought.

IDZ003 Southeastern Idaho

05 1030MST-1600MST 0 0 5 0 **High Winds**

Gusty winds, in advance of an approaching cold front, lofted gravel which broke windows of automobiles and buildings at the Idaho Falls Airport. Wind-driven grass fires escaped into farm compounds burning buildings and farm equipment in Bonneville and Jefferson Counties.

Bonner County Schweitzer Basin

05 1030PST 0 0 6 0 **Flash Flood**

Two inches of rain in two days, warm temperatures and melting snow caused small streams to overflow. Schweitzer Creek washed out 2,000 feet of the access road to Schweitzer Ski Resort stranding 100 persons overnight. Sand Creek Reservoir was filled with asphalt debris ruining 90% of the water supply to Sand Point. Some bridges and power lines were also washed out. (The flood was described as the worst since 1972.)

Boundary County

05 1030PST 0 0 5 0 **Small Stream Flooding**

Several roads and bridges were impacted.

IDZ009 Northern Idaho

05 1700PST-07 1700PST 0 0 4 0 **Flood**

The Coeur d'Alene River was above flood stage at Enaville and Cataldo flooding several homes and closing at least one county road.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

IDAHO Cont'd

IDZ003
Southeastern Idaho

06 1130MST-1900MST
0 0 4 0 **Dust Storm**

Interstate 15 was closed between Roberts and Idaho Falls due to post cold front strong winds and visibilities near zero in blowing dust. A recreation vehicle was blown over.

IDZ003
Southeastern Idaho

07 1000MST-1700MST
0 0 0 0 **High Winds (G51)**

Interstate 15 was closed between Idaho Falls and Roberts mainly because of a 1-mile section of blowing dust north of Osgood.

IDZ009
Northern Idaho

07 1200PST
0 0 0 0 **Rare Heavy Snow**

Four inches of snow fell at Coeur d'Alene during the morning hours (the normal monthly snowfall for April at Coeur d'Alene is only 2 inches). Six inches of snow fell at Mullan.

Bonner County
Priest River

09 1515PST 1 100 0 0 5 0 **Tornado (F2)**

Witnesses described two huge downdrafts of fog that raced down a mountain side to collide over Pend Oreille River and form a giant funnel that began sucking up water from the river. The funnel, pitch black outside and white inside with trees swirling inside of it, moved to the Anselmo Ranch where it snatched a new barn upward, turned it upside down, and dropped it. Two other well-built farm structures were damaged. The funnel then moved northward up Gold Cup Mountain. Twenty trees were uprooted.

Sagle

09 1530PST
0 0 5 0 **Thunderstorm Winds**

Downdraft winds cleared 3 acres of trees, uprooting over a hundred of the trees and snapping off 50 about 30 feet from the ground. Trees landed on four homes and the roofs were blown off two others. Marble-size hailstones fell in nearby Sand Point. (VIP-3 radar echoes were noted).

IDZ012
Eastern Idaho

09 1500MST-1900MST
0 0 0 0 **High Winds**

Wind and heavy snow caused blizzard-like conditions at Dubois. Island Park received 7 inches of new snow.

IDZ001
Southwestern Idaho

09 1600MST
0 0 3 3 **High Winds (G51)**

Tumbleweeds, reportedly from Bureau of Land Management lands, blew into the D-Line Canal northwest of Parma clogging the canal and flooding farmlands. ("The last time tumbleweeds blocked the canal was 15 to 20 years ago.")

IDZ011
Northern Idaho

10 0600PST
0 0 0 0 **Heavy Snow**

Elk City reported 6 inches of snow.

IDZ010
Central Idaho

18 1500MST
0 0 0 0 **Heavy Snow**

Craters of the Moon National Monument reported 7 inches of snow.

Canyon County
Caldwell

24 1300MST
0 0 4 0 **Thunderstorm Winds**

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

IDAHO Cont'd

Downburst winds peeled off the roof of a mobile home and knocked over some trees.

Middleton **24 1326MST** **0.25** **50** **0** **0** **4** **0** **Tornado (F0)**

Witnesses watched a tornado move northeasterly through the southern part of Middleton leaving a path defined by demolished sheds, and homes stripped of singles. Downburst winds peeled the roof off a mobile home on the northeastern side of town.

IDZ012 **25 0800MST-**
Eastern Idaho **2300MST** **0** **0** **0** **0** **Heavy Snow**

Driggs reported 13 inches of snow.

IDZ005 **27 1600MST** **0** **0** **0** **0** **Heavy Snow**

IDZ010 **29 1500MST** **0** **0** **0** **0** **Heavy Snow**

Murphy Hot Springs received 6 inches of new snow.
Nine inches of snow accumulated at Craters of the Moon National Monument in association with an early morning cold front passage.

ILLINOIS

Union County
Jonesboro **09 0251CST** **0** **0** **0** **?** **Hail (0.75)**
Anna **09 0325CST** **0** **0** **0** **?** **Hail (0.75)**
Johnson County **09 0345CST** **0** **0** **0** **?** **Hail (1.75)**

Golf ball-size hail was reported by the Illinois State Police.

Boreville **09 0420CST** **0** **0** **0** **?** **Hail (0.75)**
Iroquois County
3 N Buckley **16 2020CST** **0** **0** **4** **0** **High Wind**

Beginning 3 miles north of Buckley, for 2 miles southeast in a swath, winds damaged many buildings at five farms. No reports of lightning, thunder, or funnels accompanied the damage reports.

DuPage County
Naperville **23 1250CST** **0.1** **100** **0** **0** **3** **0** **Tornado (F1)**

A tornado briefly touched down near Washington Street and Illinois Route 34. Trees and roofs were damaged.

Green County
Hillview **28 0215CST** **0** **0** **3** **?** **Thunderstorm Winds**

Thunderstorm winds caused scattered damage to buildings and trees. Small hail also fell; some of it did not melt until the afternoon.

Macon County
Warrensburg and
Argenta **28 0535CST** **0** **0** **4** **0** **Thunderstorm Winds**

Thunderstorm winds downed power lines in Warrensburg and Argenta.

Woodford County
35 NE PIA **29 1845CST** **0.2** **100** **0** **0** **0** **0** **Tornado (F0)**

Tornadoes touched down between Benson and Minonk, with no known damage. Tornadoes were also reported near Eureka and Goodfield, with no damage.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

ILLINOIS Cont'd

LaSalle and Lee Counties

4 E Mendota 29 1820CST 10.0 100 0 0 4 0 Tornado (F1)

A tornado was first seen near Tri-County Fairgrounds at 1920 CDT, and moving north about 40 mph. Buildings were destroyed at scattered locations from between Route 39 and Meriden, north-northeast to just east of Paw Paw in Lee County. It crossed into southeastern Lee County from northwestern LaSalle County at about 1930 CST.

Boon County

17 ESE RFD 29 1830CST 3.0 100 0 0 4 0 Tornado (F0)

A tornado first touched down in a field near Genoa and Huber Roads in southeastern Boon County at about 1930 CDT, causing scattered damage to homes and buildings for about 3 miles.

Winnebago County

8 NNW RFD 29 1855CST 0.1 100 0 0 0 0 Tornado (F0)

A tornado briefly touched down near Interstate 39 and Baxter Road.

McLean County

Near Hudson 29 1900CST 0.2 200 0 0 0 0 Tornado (F1)

A tornado touchdown in a field was reported by McLean County ESDA Director just north of Hudson. It was wide as a city block and on the ground only briefly. Another tornado touchdown was reported between Lexington and Chenoa, no known damage.

DeWitt County

2 E Weldon 29 1926CST 0.2 50 0 0 0 0 Tornado (F0)

A tornado briefly touched down in a field 2 miles east of Weldon near Illinois Route 10.

McHenry County

4 W Marengo 29 1930CST 0.1 20 0 0 0 0 Tornado (F0)

The county sheriff's office reported a brief tornado touchdown west of Marengo. There was no damage.

INDIANA

Harrison County

Corydon 09 1222EST 0 0 0 0 Hail (1.00)

Perry County

09 1255EST 0 0 3 0 Thunderstorm Winds

Trees and power lines were downed between Tell City and Cannelton.

Scott County

Scottsburg 09 1310EST 0 0 0 0 Hail (1.00)

Switzerland County

Vevay 09 1320EST 0 0 ? 0 Hail (1.00)

Countywide

09 1328EST 0 0 ? 0 Hail (3.00)

Floyd County

09 1330EST 0 0 3 0 Thunderstorm Winds

Winds estimated between 80 and 90 mph downed power lines and several large trees near the Harrison County line.

Jackson County

Seymour 09 1345EST 0 0 ? 0 Hail (0.88)

Clark County

09 1350EST 0 0 3 0 Thunderstorm Winds (G52)

Sixty-mph winds downed trees and power lines throughout the county.

Franklin County

09 1358EST 0 0 ? 0 Hail (1.00)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

INDIANA Cont'd

Crawford County	09	1400EST			0	0	4	0	Thunderstorm Winds
Strong thunderstorm winds blew out the windows of a business in Leavenworth. Many trees were also blown down throughout the county.									
Washington County	09	1405EST			0	0	4	0	Thunderstorm Winds
Trees were downed across the county, and several trailers and homes were damaged in Martinsburg and New Pekin.									
Harrison County	09	1410EST			0	0	4	0	Thunderstorm Winds
Trees were downed and two buildings were damaged in Palmyra. Several trailers were also blown off their foundations.									
Switzerland County	09	1425EST			0	0	4	0	Thunderstorm Winds Hail (2.50)
Two silos were blown down, tin roofing was peeled off a shed, and there was damage to a corn bin near Patriot.									
Rush County	09	1437EST			0	0	?	0	Hail (1.75)
8 S Rushville	09	1442EST			0	0	?	0	Hail (1.75)
Milroy	15	0000EST-			0	0	?	?	Urban and Small
INZ001-002-004-005		1300EST							Stream Flooding
Showers and thunderstorms produced rainfall amounts of 1.5 to 2.5 inches over portions of northern Indiana. This caused some minor urban and small stream flooding. Bowman Creek on the southern side of South Bend overflowed, flooding basements on Fox and Fellow Streets.									
Elkhart County	23	1735EST			0	0	?	0	Wind
Two miles south of Goshen the southwestern corner of a metal quonset building was blown in, and about 5 feet of tin was stripped from the building. One mile south of Goshen a 10-inch diameter pine tree was broken off 8 feet above the ground. A pilot at the Goshen Airport estimated the wind at 45 mph.									
Crawford County	23	1900EST			0	0	3	0	Thunderstorm Winds
Several large trees were blown down by strong thunderstorm winds.									
Floyd County	23	1910EST			0	0	4	0	Thunderstorm Winds (G61)
New Albany	Seventy-mph winds damaged several houses and uprooted trees in New Albany.								
Switzerland County	23	1955EST			0	0	4	0	Thunderstorm Winds
5 NW Vevay	A barn was blown down.								
Fountain County	30	2145EST			0	0	?	0	Hail (0.88)
Attica	30	2215EST			0	0	?	0	Hail (0.88)
Tippecanoe County									
Lafayette									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

IOWA

IAZ002-003-006-007-008-010-011-014-015, ILZ004	01 0000CST-	05 1800CST	0	0	4	3	Flooding
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Northeastern Iowa

The warm and wet weather of March continued into April. The average precipitation across the state was a record 5.87 inches, breaking the old record of 5.73 inches set in April of 1984. The towns of Killduff and Derby reported some of the highest precipitation totals, with each receiving 10.4 inches of rainfall. The highest rainfall total was at Grinnell, with 11.00 inches. Minor flooding carried over from mid- and late-March into the first week of April along the Wapsipinicon, Iowa, and Cedar River basins. Damage was minor with most of the flooding restricted to agricultural lands.

Black Hawk County

Waterloo	08 1252CST				0	0	4	0	Thunderstorm Winds (G53)
Elk Run Heights	08 1300CST				0	0	3	0	Thunderstorm Winds (G50+)
Buchanan County									
Fairbanks	08 1313CST				0	0	3	0	Thunderstorm Winds (G50+)
Independence	08 1315CST				0	0	4	0	Thunderstorm Winds (G70)
Airport									
Brandon	08 1321CST				0	0	3	0	Thunderstorm Winds (G50+)
5E Winthrop	08 1350CST				0	0	3	0	Thunderstorm Winds (G50+)
Winneshiek County									
Calmer	08 1310CST				0	0	4	0	Thunderstorm Winds (G50+)
Decorah	08 1315CST				0	0	5	0	Thunderstorm Winds (G50+)
Decorah	08 1321CST				0	0	0	0	Funnel Cloud
Clayton County									
Volga	08 1405CST				0	0	3	0	thunderstorm Winds (G50+)
St. Olaf	08 1415CST				0	0	4	0	Thunderstorm Winds (G50+)
Jones County									
2 N Monticello	08 1415CST				0	1	3	0	Thunderstorm Winds (G50+)
Delaware County									
Hopkinton	08 1416CST				0	0	3	0	Thunderstorm Winds (G50+)
2 NE Petersburg	08 1430CST	0.5	15		0	0	2	0	Tornado (F0)
0.5 N Greeley	08 1452CST				0	0	3	0	Thunderstorm Winds (G50+)
Dubuque County									
Dubuque Airport	08 1444CST				0	0	3	0	Hail (0.75)

A sharp cold front moved across Iowa during the day. Thunderstorms formed along the front during the predawn hours, and continued to fire throughout the day. Most of the storms were below severe levels. During the afternoon, a line of thunderstorms formed behind the surface front. They did not produce severe weather until the line outran the surface front in northeastern Iowa. One tornado touched down in northeastern Delaware County. It was in open country and did no significant damage. High winds downed trees in several areas. Two pole buildings were destroyed in Clayton County, near St. Olaf. In Winneshiek County, a tractor-semitrailer truck was blown off the road, and numerous trees were downed in the Decorah area. One mobile home was overturned and nearly destroyed near Decorah.

The winds were strong enough in Decorah that one family reported their 100-pound dog was blown off its feet and slammed into the garage door. The strongest recorded winds were reported in Independence, where 80-mph winds blew the brick front off a building and downed several trees. In Jones County, high winds blew a tractor-semitrailer truck off the road, injuring the driver slightly. The truck was overturned as the wind blew it over. Wind gusts of 40 to 50 mph were common about anywhere, along with 0.25 to 0.50-inch diameter hail.

Polk County

West Des Moines	08 1701CST				0	0	3	0	Hail (1.00)
Windsor Heights	08 1705CST				0	0	3	0	Hail (1.00)
Ankeny	08 1718CST				0	0	3	0	Hail (0.90)

A second area of strong thunderstorms formed behind the surface cold front as an upper-level disturbance interacted with it. Gusty winds and pea- to marble-size hail were common. One cell produced hail around 1 inch in diameter in the Des Moines metropolitan area.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

IOWA Cont'd

Washington County Brighton	08	2142CST			0	0	3	0	Thunderstorm Winds (G52)
Scott County Davenport	08	2330CST			0	0	4	0	Lightning

The line of strong thunderstorms that developed in central Iowa moved into the east-central counties during the evening. Sixty-mph winds destroyed a machine shed at Brighton in Washington County. There were no other damage reports received. Around 2330 CST, lightning struck a home in Davenport. Damage was around \$30,000 due to fire and electrical damage. The storms then moved east of the area with no other damage reported.

Ringgold County Mt. Ayr	11	0745CST			0	0	4	2	Thunderstorm Winds (G50+)
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Early-morning thunderstorms rolled across southern Iowa. One of them produced high winds in Ringgold County at Mt. Ayr. Some trees were downed and the roof of a school was partially ripped off.

IAZ001-004-005-009- NEZ010 Northwestern and West-Central Iowa	11	0900CST- 1700CST			0	0	5	0	High Winds
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Following early morning thunderstorms, high winds developed over northwestern and west-central Iowa. Wind speeds were generally in the 35 to 50 mph range. Gusts of 62 mph were recorded at Harlan, 60 mph at Aurelia, and 54 mph at Storm Lake. Damage was spotty, generally limited to tree limbs and weaker outbuildings.

IAZ003-004-006- 007-008-009-010- 011-012-013-014- 015-NEZ010 Much of Iowa	12	0300CST- 1200CST			0	0	5	5	Flooding
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The first of several significant rainfalls of April occurred on the 8th and 9th of the month, with 1 to 2 inches common over the central sections of the state. Another 1 to 3 inches fell over most of the state between the 11th and the 14th. With the ground already saturated, these additional rains resulted in flooding along many rivers. They included the Little Sioux, Nishnabotna, Chariton, Turkey, Iowa/Cedar, Skunk, Raccoon, and Des Moines River Basins. Once again, the flooding was relatively minor and restricted to agricultural lands. Some county roads were closed for a time and a few houses were flooded, but these were in areas that lie in the flood plains of these rivers. On the evening of the 12th, heavy rains fell in the Little Maquoketa River basin, causing a flash flood. Details on this are included later in this report.

Monona County Onawa	12	0015CST			0	0	4	2	Thunderstorm Winds (G50+)
Sac County Wall Lake	12	0200CST			0	0	4	2	Thunderstorm Winds (G54)
Cerro Gordo County Clear Lake	12	0630CST			0	0	4	0	Thunderstorm Winds (G52)
Mitchell County Riceville	12	0820CST			0	0	5	3	Thunderstorm Winds (G74)

An area of thunderstorms moved into western Iowa around midnight. A few of them became severe and produced high winds. Some minor damage was reported in west-central Iowa, in Sac and Monona Counties. Damage was also reported in north-central Iowa. The strongest wind recorded was 85 mph in Mitchell County, at Riceville.

Jasper County Monroe	12	1010CST			0	0	4	0	Hail (1.75)
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A severe thunderstorm developed over Jasper County. The storm produced a large amount of hail, some up to golf ball-size. The hail accumulated to a depth of 6 inches in Monroe.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

IOWA Cont'd

**Poweshiek County
Grinnell**

12	1015CST- 1415CST									Urban Flooding
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Heavy rains fell in Poweshiek County. In Grinnell, 4.17 inches of rain was recorded, causing considerable urban flooding in the city.

**Dubuque County
1W Durango**

12	1500CST- 2300CST									Flash Flood
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Heavy rains of 3 to 5 inches fell on top of already saturated soils, causing flash flooding along the Little Maquoketa River. Three people were killed during the early evening hours. Their vehicle stalled in floodwaters, and was swept down the river drowning the three people in the car. This occurred shortly after 1730 CST. The river at Durango reached its fifth highest stage of record. Two other people escaped when their car had also become stalled in the floodwater. (M76V, F49V, F05V)

**Harrison County
Little Sioux**

26	0520CST									Hail (0.75)
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Thunderstorms moved into western Iowa during the pre-dawn hours. Some hail was reported with them, but most of it was only pea-size.

A few hailstones were up to 0.75 inch in diameter in the Little Sioux area.

**Hamilton County
5 S Webster City
Williams
3 E Jewell
Cerro Gordo County
Mason City**

26	1030CST									Thunderstorm winds (G50+)
26	1100CST									Thunderstorm Winds (G50+)
26	1100CST									Thunderstorm Winds (G50+)
26	1250CST									Lightning

An area of thunderstorms moved from west-central into north-central Iowa. Heavy rains of 2 to 3 inches, along with pea- to marble-size hail and gusty winds were common. One of the cells became severe as it moved across Hamilton County. Winds downed trees and caused property damage in the Williams area. A truck was blown off the highway south of Webster City, and three tractor-semitrailers were blown over by outflow winds on Interstate 35 east of Jewell. Lightning struck a house in Mason City. The lightning blew out an antenna rotor box and caused a small fire in the house.

**Harrison County
2 SE Logan**

26	1815CST									Thunderstorm Winds (G50+)
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**Shelby County
2.5 E Panama to
2 N Westphalia
Crawford County**

26	1844CST- 1847CST	2.0	45							Tornado (F1)
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**Crawford County
Manilla
5 NE Denison
Denison**

26	1844CST									Thunderstorm Winds (G50+)
26	1845CST									Lightning
26	1848CST									Funnel Cloud

**Sioux County
Orange City
Crawford and Sac
Counties**

26	1900CST									Thunderstorm Winds (G50+)
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**Denison to
Wall Lake**

26	1900CST- 1917CST	23.0	150							Tornado (F3)
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The tornado reached F3 strength in Crawford County.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

IOWA Cont'd

Sac County									
3 N Breda	26	1910CST			0	0	4	2	Thunderstorm Winds (G50+)
Lake View	26	1920CST			0	0	4	3	Hail (1.75)
1 NE Odebolt	26	1920CST			0	0	4	2	Thunderstorm Winds (G50+)
1.5 NW to 4.5 E Schaller	26	1930CST			0	0	5	3	Thunderstorm Winds (G70)
Buena Vista County									
11 NE Storm Lake	26	1950CST			0	0	4	2	Thunderstorm Winds (G50+)
Marathon	26	1951CST			0	0	4	2	Thunderstorm Winds (G50+)
Dickinson County									
5 SW Milford to 2 NW Milford	26	2000CST-2030CST	18.0	60	0	0	5	3	Tornado (F2)

The tornado had an intermittent track.

Clay County									
Greenville	26	2015CST			0	0	4	2	Thunderstorm Winds (G50+)
Buena Vista County									
8 NE Storm Lake	26	2030CST			0	0	4	2	Thunderstorm Winds (G50+)

A line of thunderstorms moved out of Nebraska into west-central Iowa. One cell in the line was actually a supercell that could be traced at least as far back as Lincoln, Nebraska. This storm spawned a small tornado in Shelby County, and caused wind damage in the Manilla area. A short time later, it dropped a tornado in the northeastern part of Denison, in Crawford County. The tornado tracked across the rest of Crawford County into Sac County. Several farmsteads were damaged or destroyed along its path with damage estimated at over \$1 million. At one point, the tornado was 200 yards wide. There were no deaths or injuries, with the exception of a pig on a farmstead near Odebolt. As the storm approached Odebolt, high winds blew out a window in a house and overturned a tractor-semitrailer truck. Another tornadic storm moved through Dickinson County. A tornado touched down in the southern part of the county, and was on the ground intermittently across much of the county. Most of its path was over open farm fields, however two farmsteads were hit, with serious damage to both the farm buildings and the farmhouses themselves. Downburst winds caused considerable damage in Sac County near Schaller. High winds destroyed a mobile home in Buena Vista County. In Sac County, golf ball-size hail pelted the Lake View area. Lightning struck a barn northeast of Denison. It was set on fire, completely destroying it.

Hancock County									
Garner	26	2140CST			0	16	5	2	Thunderstorm Winds (G87)
Wayne County									
Allerton	26	2209CST			0	0	3	2	Hail (0.75)
Allerton to Millerton	26	2210CST-2222CST	9.0	60	0	0	5	3	Tornado (F2)
6 SE Allerton to 10 E Millerton	26	2210CST-2228CST	15.0	75	0	2	6	3	Tornado (F2)
Poweshiek County									
Grinnell	26	2318CST			0	0	4	2	Thunderstorm Winds (G50+)
4 NW Montezuma	26	2330CST			0	0	4	2	Thunderstorm Winds (G50+)
Mahaska County									
New Sharon	26	2330CST			0	0	3	0	Lightning
Wapello County									
Eddyville	27	0020CST			0	0	4	2	Thunderstorm Winds (G50+)
Mahaska County									
2 W New Sharon	27	0030CST			0	0	5	3	Thunderstorm Winds (G87)
1 E Oskaloosa	27	0030CST			0	0	5	3	Thunderstorm Winds (G87)
1 E Oskaloosa	27	0040CST			0	0	5	3	Thunderstorm Winds (G70)
Iowa County									
2 S to 3 E Victor	27	0055CST-0104CST	4.5	50	0	0	5	2	Tornado (F2)
Mahaska County									
15 NE Oskaloosa	27	0100CST			0	0	4	2	Thunderstorm Winds (G50+)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

IOWA Cont'd

Iowa County 4 S to 3 SE	27	0109CST-	2.0	40	0	0	5	2	Tornado (F1)
Marengo		0112CST							
Froelich Acres	27	0135CST			0	0	4	2	Thunderstorm Winds (G50+)
Keokuk County Gibson	27	0140CST			0	0	4	2	Thunderstorm Winds (G50+)
Delaware County Masonville	27	0148CST			0	0	3	1	Thunderstorm Winds (G50+)
Linn County Fairfax	27	0150CST			0	1	5	3	Thunderstorm Winds (G50+)
Clayton County Strawberry Point	27	0200CST			0	0	5	3	Thunderstorm Winds (G70)
Buchanan County 2 E Winthrop	27	0200CST			0	0	4	2	Thunderstorm Winds (G50+)
Delaware County 1 S Masonville	27	0212CST			0	0	4	2	Thunderstorm Winds (G50+)
Clayton County Edgewood	27	0215CST			0	0	4	2	Thunderstorm Winds (G50+)
Dubuque County 3.5 E Luxemburg	27	0230CST			0	0	4	2	Thunderstorm Winds (G50+)

A second line of thunderstorms formed over western Iowa and moved across the state. Most of the storms in this line produced intense rainfall, 40 to 45 mph winds, and pea- to occasional marble-size hail. Two significant tornadoes occurred, both of them in Wayne County. They occurred at nearly the same time about 6 miles apart. The two tornadoes, damaged about 25 farmsteads and residential houses. One person was seriously injured, at Harvard, when a mobile home was destroyed. Another person was thrown from the trailer and knocked unconscious with only minor injuries. Two tornadoes touched down in Iowa County. Several farmsteads were affected. One house was damaged with other damage to farm buildings. Serious wind damage was reported in Hancock County, at Garner. There was extensive tree damage, with some damage to a few homes. Four mobile homes were tipped over and heavily damaged as straight-line winds of at least 80 mph swept through the town. Sixteen people were injured in the trailer park by the high winds. A total of 20 mobile homes were damaged. Damage in the Garner area was estimated between \$200,000 and \$300,000. Winds in Garner gusted to near 100 mph. High winds east of Oskaloosa demolished a couple of barns and blew the tops off several grain bins. Significant wind damage occurred west of New Sharon. High winds, near 100 mph, damaged several farmsteads in the area and took down a main feeder high voltage line. Power was not restored in the area until around 2100 CST the next evening. Some wind damage was also reported over northeastern Mahaska County. Lightning struck a house in New Sharon. Damage was minimal, but a large fireball went through the house leaving several scorch marks. As the thunderstorms moved northeast from Mahaska County, high winds swept through Iowa and Linn Counties. In Iowa County, winds downed trees and snapped power poles off at the base at Froelich Acres, near the Amana Colonies. One outhouse was moved off its foundation. In Linn County, a mobile home was blown over and destroyed. One man inside was injured as this occurred. High winds destroyed a mobile home in Grinnell, however, it was unoccupied at the time. The high winds continued as the storms moved east, into northeastern Iowa. Several farm buildings were destroyed at Edgewood, in Clayton County. Significant wind damage occurred in the Strawberry Point area of Clayton County. The damage occurred in a 7-mile-long strip around Strawberry Point. One 40-by-50-foot machine shed was destroyed on one farm. A two-by-four was thrown through the wall of a farmhouse on another farm. Farm buildings were also damaged in Dubuque County.

IAZ001-002-003-	27	0300CST-							
004-005-006-007-	30	2400CST			0	0	6	0	Flooding
008-009-010-011-012-									
013-014-NEZ010-									
ILZ004, All of Iowa									

The heavy rains continued over Iowa. Between the 17th and the 19th, 1 to 2 inches fell, with over 2.5 inches in south-central Iowa. These rains primed the ground for the next rain event. Another 1 to 2 inches of rain fell over about the western three-quarters of the state on April 26th through the 27th. In addition, another band of 1 to 2 inches rains fell from south-central to

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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

IOWA Cont'd

northeastern Iowa on the 28th through the 29th of April. All this rain resulted in considerable minor flooding for a prolonged period along the Iowa/Cedar, Skunk, and Wapsipinicon River basins. Portions of these rivers remained above flood stage into May. Rapid rises and falls were observed along southern Iowa tributaries of the Des Moines River during the time period from the 18th to the 19th, but most of these were within, to slightly above, flood stage. Actually, the Des Moines River was at, or above, flood stage in the southern half of Iowa for much of the last half of April. Once again, flood damage was relatively minor, but extensive and prolonged. A lot of agricultural land was under water, resulting in considerable delays in spring planting.

Jones County 8 E Monticello	28	1636CST			0	0	3	2	Hail (0.75)
Dubuque County Cascade	28	1642CST			0	0	3	2	Hail (0.75)
Wayne County Allerton	28	1927CST			0	0	4	2	Thunderstorm Winds (G52)
Delaware County Oneida	28	2042CST			0	0	3	2	Hail (0.75)
3 W Hopkinton	28	2045CST			0	0	4	3	Hail (1.75)
Delhi	28	2110CST			0	0	3	2	Hail (0.75)
Delaware	28	2120CST			0	0	3	2	Hail (0.75)
Earlville	28	2125CST			0	0	3	2	Hail (0.75)
Greeley	28	2151CST			0	0	3	2	Hail (0.75)

A scattered area of thunderstorms formed from south-central into northeastern Iowa along the leading edge of an advancing moist area. Most of the storms produced only heavy rains. One cell produced a 60-mph wind gust in Wayne County. Hail occurred over northeastern Iowa in Jones, Dubuque, and Delaware Counties, though most of the hail was only 0.75 inch in diameter. Golf ball-size hail fell west of Hopkinton, in Delaware County.

Wayne County	28	2030CST- 2230CST			0	0	4	3	Flash Flooding
Delaware County	28	2100CST- 29 0200CST			0	0	4	3	Flash Flooding
Jones County	28	2100CST- 29 0200CST			0	0	4	3	Flash Flooding

Heavy rains struck Iowa once again with flash flooding over parts of south-central and northeastern Iowa. Two to three inches of rain fell in Wayne County in a 2-hour period. Floodwaters were reported over a road near Millerton at 2110 CST. Over northeastern Iowa, repeat thunderstorms dropped 3 inches of rain on Delaware and Jones Counties in a 3-hour period. Some flash flooding was reported along small streams in these counties.

Tama County	29	0300CST- 1000CST			0	0	5	3	Flash Flooding
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Three to four inches of rain fell during the early morning hours of the 29th. The ground was already saturated from previous rainfall, so the area flooded quickly. The flooding was the worst in the Tama/Toledo area, and in the Chelsea area. Water was standing several feet deep at the peak of the flooding.

Pottawattamie County 4 SE Omaha Arpt	29	1214CST			0	0	0	0	Funnel Cloud
Pottawattamie and Harrison Counties Council Bluffs to Beebeetown	29	1220CST- 1300CST	20.0	40	0	0	5	2	Tornado (F1)

Intermittent track, mostly F-0 strength. This tornado came from the same parent thunderstorm that spawned a tornado in Omaha. The storm crossed the Missouri River and moved into Council Bluffs. The path of the tornado was very intermittent, rarely being on the ground for

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

IOWA Cont'd

more than 15 to 20 seconds at a time. The tornado moved into southern Harrison County before it dissipated. It was not a very large tornado. Damage was very spotty, and mainly limited to roof damage. One roof was blown off a house at 13th and Avenue B in Council Bluffs. Three tractor-semitrailers were tipped over and one twisted at 11th and G Streets in Council Bluffs. It appeared that there were two small tornadoes very close together for a time. With the intermittent nature of the touchdowns, the tornado seemed to skip around the area.

Howard County 7 NE Lime Springs	29	1230CST			0	0	4	2	Thunderstorm Winds (G50+)
Sac County 2 E Odebolt	29	1230CST			0	0	4	3	Hail (2.75)
Pottawattamie County 5 N Council Bluffs	29	1235CST			0	0	4	3	Hail (1.75)
Shelby County Panama	29	1240CST			0	0	0	0	Funnel Cloud
Sac County Odebolt	29	1255CST			0	0	4	3	Hail (1.75)
Lake View	29	1255CST			0	0	4	3	Hail (1.75)
Crawford County 10 W Denison	29	1300CST			0	0	0	0	Funnel Cloud
Marshall County State Center	29	1310CST			0	0	4	2	Thunderstorm Winds (G50+)
Pottawattamie County 5 W Carson	29	1310CST			0	0	0	0	Funnel Cloud
4 NW Oakland	29	1321CST	0.2	15	0	0	3	1	Tornado (F0)
Crawford County 3.5 ESE Charter Oak	29	1320CST			0	0	0	0	Funnel Cloud
Hardin County 2.5 SW Hubbard	29	1325CST-	3.0	40	0	0	5	3	Tornado (F1)
2 W Hubbard		1329CST							
Buena Vista County Newell	29	1327CST-			0	0	4	3	Hail (1.75)
		1338CST							
Pocahontas County 5 NW Pocahontas	29	1332CST			0	0	4	3	Hail (1.75)
Humboldt County Pioneer	29	1335CST	0.1	15	0	0	3	1	Tornado (F1)
Wright County Dows	29	1340CST			0	0	3	2	Thunderstorm Winds (G50+)
Clarion	29	1345CST			0	0	4	2	Thunderstorm Winds (G50)
Pocahontas County 1 W Pocahontas	29	1350CST			0	0	4	3	Hail (1.75)
5 NW Pocahontas	29	1350CST-	4.0	50	0	0	4	2	Tornado (F1)
to 1 SW Havelock		1356CST							
Sac County Wall Lake	29	1352CST			0	0	4	2	Thunderstorm Winds (G52)
	29	1352CST			0	0	4	3	Hail (1.75)
Wright County Belmond	29	1355CST			0	0	4	2	Thunderstorm Winds (G50+)
Pocahontas County Laurens	29	1355CST-	0.1	15	0	0	5	3	Hail (2.75)
		1400CST							
1 S Laurens	29	1355CST							
Havelock	29	1403CST			0	0	0	0	Funnel Cloud
Kossuth County 1 NW St. Joseph	29	1400CST			0	0	4	2	Thunderstorm Winds (G50+)
Hancock County 2 E Britt	29	1400CST			0	0	4	2	Thunderstorm Winds (G50+)
Garner	29	1410CST			0	0	4	2	Thunderstorm Winds (G50+)

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

IOWA Cont'd

Cerro Gordo County Mason City Airport	29	1410CST			0	0	3	1	Thunderstorm Winds (G51)
1 N Mason City	29	1423CST			0	0	3	1	Thunderstorm Winds (G50+)
Mason City	29	1425CST			0	0	3	2	Hail (0.75)
3 NW Clear Lake	29	1428CST			0	0	4	2	Thunderstorm Winds (G50+)
Winnebago County 0.5 E Buffalo Center	29	1430CST			0	0	5	3	Thunderstorm Winds (G70)
Worth County 3 SE Northwood	29	1443CST			0	0	4	3	Hail (1.00)

An intense low-pressure system tracked northward across western Iowa. A surface dry line advanced into the state from the southwest during the afternoon. The thunderstorms developed ahead of it, with many becoming severe. The first severe storm moved into the Omaha-Council Bluffs area shortly after noon. About an hour later, another small tornado touched down in eastern Pottawattamie County, near Oakland. farther to the northeast, a few small tornadoes touched down briefly in Pocahontas and Humboldt Counties. Only minor damage occurred as they touched down in open country. One stronger tornado touched down in Hardin County near Hubbard. At least two farmsteads were damaged. Two barns were destroyed on one farm, with several empty metal grain storage bins destroyed on another. Funnel clouds were reported at several locations from west-central into north-central Iowa. Most of the storms produced hail and/or high winds. Golf ball-size hail was common in an area extending from Council Bluff north-northeast into Pocahontas County. Hail was reported to have covered the ground in some areas. In Newell, for example, golf ball-size hail fell for 11 minutes. The ground was almost completely covered. In Sac County, hail up to baseball-size covered Highway 175. Hail measuring 2.75 inches in diameter fell at Laurens. Most areas had winds of 50 to 55 mph. Wall Lake, in Sac County, had wind gusts to around 60 mph. A small area of thunderstorms moved out of central Iowa into north-central Iowa. Winds of around 50 mph or higher swept through the Mason City and Clear Lake areas, downing trees. A barn and hog shed were damaged northwest of Clear Lake. Hail up to 1 inch in diameter pelted the Mason City and Northwood areas. Other damage by wind occurred in southern Kossuth County, Hancock County, Wright County, and Winnebago County. A hog building was completely destroyed in Hancock County, a tractor-semitrailer truck was blown over at Belmond, in Wright County, and 80-mph winds were recorded in Winnebago County. These winds caused damage in excess of \$100,000 to several farmsteads in Winnebago County.

KANSAS

Barber County 1 W Aetna	02	1630CST	1.0	15	0	0	0	0	Tornado (F0)
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A tornado touched down for a brief time in open country.

Comanche County 18 S Coldwater	02	1708CST	1.7	20	0	0	0	0	Tornado (F0)
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A small tornado crossed into Kansas from Oklahoma and then lifted just north of the border. The tornado was spotted by the Oklahoma State Police.

Comanche County 12 SSW Coldwater	02	1745CST			0	0	0	0	Hail (1.00)
25 SE Coldwater	02	1817CST	2.2	25	0	0	0	0	Tornado (F0)
6 SE Coldwater	02	1826CST	0.3	15	0	0	0	0	Tornado (F0)
Barber County 1 W Aetna	02	1910CST	1.5	20	0	0	0	0	Tornado (F0)
Comanche County Southern Portion	02	2130CST			0	0	0	0	Flooding

Heavy rain flooded county roads across southern Comanche County.

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KANSAS Cont'd

Montgomery County
Coffeyville 02 2300CST 0 0 0 0 **Thunderstorm Winds (G61)**

Thunderstorm winds gusted to 70 mph damaging trees and causing power outages.

KSZ001-5
Western and Northwestern Kansas 10 1700CST 0 0 6 6 **High Winds (G71)**

Strong winds caused damage to homes, trees, and power lines as a deep low pressure center moved across northwestern Kansas. Sherman County took the brunt of the storm with 82-mph wind gusts that set a new wind record at the National Weather Service Office in Goodland. Interstate 70 was closed for a time due to blowing dust and low visibility. Total damage in Sherman County was \$1 million.

Smith County 10 NW Smith Center	11	1605CST			0	0	3	4	Hail (1.75)
10 N Smith Center	11	1615CST			0	0	3	3	Thunderstorm Winds (G52)
10 NW Smith Center	11	1625CST			0	0	3	4	Hail (1.75)
10 N Athol	11	1800CST			0	0	3	4	Hail (2.00)
Rooks County Zurich	11	1800CST			0	0	0	0	Hail (1.50)
Smith County 15 NW Smith Center	11	1822CST			0	0	3	3	Hail (0.75)
15 N Smith Center	11	1835CST			0	0	3	3	Hail (1.00)
Rooks County 2 S Stockton	11	1835CST			0	0	0	0	Hail (1.50)
6 W to 6 N Stockton	11	1912CST	6.0	400	0	1	6	0	Tornado (F3)

A strong tornado destroyed three farm homes in Rooks County. One woman was injured when the tornado blew her home off the foundation and then tossed a pickup truck into the basement. Another vehicle was found 75 yards away from its original position. Rooks County damage was estimated at \$1.5 million dollars.

Phillips County
4 S to 3 NE Kirwin 11 1952CST 8.0 100 0 0 5 0 **Tornado (F1)**

A tornado caused damage to several farm homes as it moved northeast. It crossed into Smith County 4 miles northeast of Kirwin.

Rooks County
Woodston 11 1955CST 0 0 0 0 **Thunderstorm Winds (G58)**
2 SE to 2 E Stockton 11 2025CST 1.0 100 0 0 5 0 **Tornado (F1)**

A small tornado damaged several homes, destroyed fences and snapped power poles on the southeastern side of Stockton.

Smith County 10 N Smith Center	11	2030CST			0	0	4	4	Thunderstorm Winds (G61)
Kensington	11	2100CST			0	0	3	3	Hail (0.75)
4 NW to 12 N Athol	11	2115CST	10.0	50	0	0	4	3	Tornado (F1)

The same thunderstorm that produced the damaging tornado near Stockton (Rooks County, 1912 CST) produced a small tornado that damaged farm buildings and several power poles as it moved north-northeast.

Smith County 8 N Kensington	11	2115CST			0	0	3	3	Hail (0.75)
Kensington	11	2125CST			0	0	3	3	Hail (0.75)

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KANSAS Cont'd

10 N Smith Center 11 2130CST 0 0 3 3 Hail (0.75)

Severe thunderstorms produced large hail and damaging winds across Smith County.

Barton County 5 N Great Bend	12	1450CST			0	0	3	3	Hail (0.75)
Russell County Wilson Lake	12	1530CST			0	0	3	3	Hail (1.75)
Barber County Lake City	12	1545CST			0	0	0	0	Funnel Cloud
Lincoln County 2 N Sylvan Grove	12	1550CST			0	0	3	3	Hail (0.75)
Pratt County 6 W Pratt	12	1605CST	2.0	20	0	0	0	0	Tornado (F0)
Lincoln County Denmark	12	1618CST			0	0	4	4	Hail (1.75)
Edwards County 2 E Trovsdale	12	1615CST			0	0	0	0	Hail (1.50)
Osborne County 10 SW Osborne	12	1620CST			0	0	3	3	Hail (1.00)
Pratt County Byers	12	1623CST			0	0	0	0	Hail (2.50)

Tennis ball-size hail was reported just outside of Byers.

Stafford County 3 SW Macksville	12	1625CST			0	0	0	0	Hail (1.75)
Osborne County 3 W Osborne	12	1631CST			0	0	3	3	Hail (0.75)
Pratt County 10 NW Pratt	12	1640CST	1.3	15	0	0	0	0	Tornado (F0)
Stafford County 6 S St. John	12	1650CST			0	0	0	0	Hail (1.75)

Golf ball-size hail was reported by spotters on Highway 281.

Lincoln County 5 S Barnard	12	1659CST	1.0	50	0	0	0	0	Tornado (F0)
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A small tornado touched down in open country.

Mitchell County 10 S Beloit	12	1700CST			0	0	4	4	Hail (2.75)
Russell County Dorance	12	1700CST			0	0	4	4	Hail (0.75)
Stafford County 5 S Macksville	12	1712CST			0	0	0	0	Hail (1.75)
Mitchell County Asherville	12	1714CST			0	0	4	4	Hail (1.75)
Barber County Lake City	12	1716CST			0	0	0	0	Hail (1.75)

Golf ball-size hail were reported by the Barber County Sheriff.

Sumner County 6 E Caldwell	12	1720CST			0	0	0	0	Hail (1.00)
Cloud County Jamestown	12	1740CST			0	0	3	3	Hail (1.00)
1 NW Aurora	12	1745CST	1.0	50	0	0	3	0	Tornado (F0)

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

KANSAS Cont'd

A tornado touched down briefly northwest of Aurora and downed several large trees.

Mitchell County Scottsville	12	1745CST			0	0	3	3	Hail (1.00)
Russell County 6 N Russell	12	1750CST			0	0	4	4	Hail (1.75)
Pratt County 3 E Croft	12	1755CST			0	0	0	0	Hail (1.75)
Countywide	12	1755CST			0	0	4	4	Flash Flood

Stationary thunderstorms produced very heavy rain and large hail. County roads were the first to flood. At 1755 CST, the Pratt County Sheriff reported the Byers Blacktop Road (1 N Highway 54) was under water. U.S. Highways 54 and 281 were closed and parts of southeastern Pratt (city) were evacuated. Lemon Park suffered heavy damage, with railroad tracks and cars washed away.

Kingman County 5 N Cunningham	12	1800CST			0	0	0	0	Hail (1.50)
Cloud County Clyde	12	1805CST			0	0	3	3	Hail (1.25)
Republic County 8 S Belleville	12	1805CST			0	0	3	3	Hail (0.75)
Washington County 5 N Clifton	12	1805CST			0	0	3	3	Hail (0.75)
Reno County Turon	12	1805CST			0	0	0	0	Hail (0.75)
Clay County Clay Center	12	1807CST			0	0	3	3	Hail (0.75)
Russell County 15 N Russell	12	1810CST			0	0	4	4	Hail (1.25)
Clay County 6 NW Clay Center	12	1815CST			0	0	3	3	Hail (1.75)
Mitchell County 12 SSE Beloit	12	1830CST			0	0	4	4	Hail (4.00)

Several cars were damaged, one totally demolished from 4-inch-diameter hail.

Reno County Turon	12	1830CST			0	0	0	0	Hail (2.00)
Washington County Linn	12	1900CST			0	0	4	4	Hail (1.75)
5 SW Linn	12	1945CST			0	0	3	3	Hail (0.75)
Reno County 4 N Castleton	12	1950CST			0	0	0	0	Hail (2.00)
Pratt County 5 W Pratt	12	1950CST			0	0	0	0	Hail (0.75)
Kiowa County Belvidere	12	2005CST			0	0	0	0	Hail (1.25)
Reno County 2 SW Abbyville	12	2010CST			0	0	4	0	Wind Damage
Marshall County Breman	12	2027CST			0	0	0	0	Hail (1.00)

Thunderstorm winds blew a mobile home over.

Marshall County Marysville	12	2030CST			0	0	0	0	Hail (1.00)
Reno County 1 E Hutchinson	12	2043CST			0	0	1	0	Hail (1.50)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KANSAS Cont'd

Comanche County Protection	12	2055CST			0	0	0	0	Hail (0.75)
Kingman County 5 NNE Cunningham	12	2055CST			0	0	0	0	Hail (1.00)
McPherson County 6 W Moundridge	12	2102CST			0	0	4	4	Hail (1.75)
Washington County Washington	12	2120CST			0	0	3	3	Flash Flood

A thunderstorm dropped 6 inches of rain on the city of Washington, causing flooding in low areas along Mill Creek.

Riley County Randolph	12	2120CST			0	0	0	0	Hail (1.00)
Marshall County Breman	12	2127CST			0	0	0	0	Hail (1.00)
Kiowa County	12	2139CST			0	0	0	0	Hail (1.00)
Marshall County Marysville	12	2130CST			0	0	0	0	Hail (1.00)
Pratt County 8 WNW Pratt	12	2135CST			0	0	0	0	Hail (2.50)
Marshall County Marysville	12	2150CST			0	0	4	0	Hail (1.50)
Riley County Leonardville	12	2200CST			0	0	3	0	Hail (1.50)

Windows were broken in some homes in the small town of Leonardville.

Marshall County Frankfort	12	2210CST			0	0	4	0	Hail (1.50)
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Windows were broken on houses and cars across much of Marshall County.

Kingman County Kingman	12	2200CST			0	0	0	0	Hail (0.75)
Reno County 2 W Sylvania	12	2200CST			0	0	0	0	Funnel Cloud
Riley County Randolph	12	2220CST			0	0	0	0	Hail (1.00)
McPherson County 3 N Roxbury	12	2225CST			0	0	3	3	Hail (0.75)
Reno County 3 N Langdon	12	2225CST			0	0	0	0	Hail (1.00)
Pretty Prairie Haven	12	2225CST			0	0	0	0	Funnel Cloud
Haven	12	2230CST			0	0	0	0	Hail (1.50)
5 SSE Haven	12	2245CST			0	0	0	0	Funnel Cloud
Riley County Leonardville	12	2300CST			0	0	3	0	Hail (1.50)

Windows were broken in some homes in the small town of Leonardville.

Marshall County Frankfort	12	2310CST			0	0	4	0	Hail (1.50)
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Windows were broken on houses and cars across much of Marshall County.

Shawnee County Silver Lake	12	2334CST			0	0	3	0	Thunderstorm Wind (G60)
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KANSAS Cont'd

Kingman County Kingman	12	2335CST			0	0	0	0	Flooding
There were flooded roads in the city of Kingman.									
Reno County 1 N Arlington	12	2335CST			0	0	2	2	Flood
The North Fork of the Ninnescah River flooded Highway K-14.									
Harvey County Sedgwick	12	2344CST			0	0	0	0	Hail (2.00)
Shawnee County Rossville	12	2345CST			0	0	0	0	Hail (1.00)
Harvey County Newton	13	0000CST			0	0	0	0	Hail (0.75)
Shawnee County 6 N Topeka	13	0000CST			0	0	0	0	Hail (1.00)
Reno County 1 E Arlington	13	0010CST			0	0	2	2	Flood
County roads were closed due to flooding.									
Sedgwick County Colwich	13	0010CST			0	0	0	0	Thunderstorm Winds (G58)
Shawnee County Silver Lake	13	0034CST			0	0	3	0	Thunderstorm Winds (G60)
Rossville	13	0045CST			0	0	0	0	Hail (1.00)
Sedgwick County Wichita	13	0100CST			0	0	0	0	Hail (1.00)
Sumner County Wellington	13	0100CST			0	0	0	0	Wind Damage
The roof was blown off a house.									
Shawnee County 6 N Topeka	13	0100CST			0	0	0	0	Hail (1.00)
Butler County 5 E Eldorado	13	0110CST			0	0	0	0	Hail (0.75)
Reno County Nickerson	17	1042CST			0	0	0	0	Hail (1.50)
Cloud County Glasco	17	1120CST			0	0	4	4	Hail (1.75)
Ottawa County 12 S Delphos	17	1130CST			0	0	3	3	Hail (1.00)
Cloud County Jamestown	17	1152CST			0	0	3	3	Hail (0.75)
Republic County Kackley	17	1202CST			0	0	4	4	Hail (1.75)
Harvey County 2 S Newton	17	1205CST			0	0	0	0	Hail (2.00)
McPherson County 3 SE Inman	17	1215CST			0	0	0	0	Funnel Cloud
Republic County Scandia	17	1215CST			0	0	3	3	Hail (0.75)
Republic County Belleville	17	1229CST			0	0	3	3	Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KANSAS Cont'd

Geary County Junction City	17	1253CST			0	0	4	0	Hail (1.50)
Large hail and gusty winds brought down power lines in Junction City and Fort Riley.									
Harvey County Walton	17	1255CST			0	0	0	0	Hail (2.00)
Marion County Goessel	17	1300CST			0	0	0	0	Hail (0.75)
2 S Hillsboro	17	1320CST			0	0	0	0	Hail (0.75)
Harvey County 1 W Walton	17	1327CST			0	0	0	0	Hail (2.00)
Sumner County Corbin	17	1330CST			0	0	0	0	Hail (0.75)
Riley County Manhattan	17	1345CST			0	0	3	0	Hail (1.50)
Pottawatomie County 4 NE Manhattan	17	1350CST			0	0	0	0	Hail (1.00)
Butler County El Dorado	17	1435CST			0	0	0	0	Hail (0.75)
Riley County Manhattan	17	1445CST			0	0	3	0	Hail (1.50)
Pottawatomie County 4 NE Manhattan	17	1450CST			0	0	0	0	Hail (1.00)
Butler County 7 SE Potwin	17	1500CST			0	0	0	0	Flood
Ten to twelve inches of standing water produced flooding in low areas.									
Kingman County 1 N Zenda	17	1550CST	2.0	100	0	0	1	0	Tornado (F1)
Harper County 5 NW Attica	17	1600CST	1.0	50	0	0	1	0	Tornado (F0)
Johnson County Stanley	17	1700CST			0	0	0	0	Hail (0.75)
1 S Olathe	17	1726CST			0	0	0	0	Hail (0.75)
Stanley	17	1742CST			0	0	0	0	Hail (0.75)
Edgerton	17	1749CST			0	0	0	0	Hail (0.75)
Cherokee County Baxter Springs	17	1800CST			0	0	0	0	Hail (0.75)
Johnson County Stanley	17	1815CST			0	0	0	0	Heavy Rain
Over 3.14 inches of rain fell in Stanley from 1615 CST and 1815 CST.									
Johnson County 1 SW Olathe	17	1820CST			0	0	0	0	Hail (0.75)
Southern Portion	17	1830CST			0	0	0	0	Flooding
A large part of southern Johnson County received heavy rain that resulted in several areas of high water.									
Johnson County Stilwell	17	2100CST			0	0	0	0	Heavy Rain
Heavy rain (4.50 inches) fell between 1600 CST and 2100 CST.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KANSAS Cont'd

Cowley County
 Arkansas City 26 0552CST 0 0 3 0 Thunderstorm Winds (G63)

Seventy-mph winds caused tree and roof damage, as well as blowing down a large sign.

Cowley County
 5 S Arkansas City 26 0655CST 0 0 0 0 Hail (1.75)
Chautauqua County
 8 N Chautauqua 26 0750CST 0 0 0 0 Hail (0.75)
 3 S Cedar Vale 26 0800CST 0 0 0 0 Hail (1.75)
 2 NE Chautauqua 26 0825CST 0 0 0 0 Hail (0.75)
Montgomery County
 6 SW Independence 26 0912CST 0 0 0 0 Hail (1.75)
 4 E Independence 26 0928CST 0 0 0 0 Hail (1.75)
 Cherryvale to 26 0945CST 6.0 100 0 0 5 0 Tornado (F2)
 1 SW Morehead

A tornado touched down on the northern side of Cherryvale destroying a large building in a nursery/greenhouse complex. The tornado then moved north-northeast and lifted near Morehead, KS. Damage at the nursery was \$250,000.

Ottawa County
 3 S Minneapolis 26 1235CST 0 0 4 3 Hail (1.75)
 Minneapolis 26 1243CST 0 0 4 3 Hail (1.75)
 2 SW Minneapolis 26 1245CST 0 0 4 4 Hail (1.75)
 3 E Delphos 26 1300CST 0 0 4 4 Hail (1.75)
Cloud County
 Highways 24 and 81 26 1320CST 0 0 3 3 Hail (1.00)
Barber County
 7 S Sharon 26 1320CST 0 0 0 0 Hail (1.00)
Cloud County
 Aurora 26 1330CST 0 0 4 4 Hail (2.50)
Kingman County
 5 S Kingman 26 1335CST 0 0 0 0 Hail (3.00)
 1 W Murdock 26 1350CST 0 0 0 0 Hail (1.75)
Cloud County
 Clyde 26 1355CST 0 0 4 4 Hail (1.75)
Washington County
 Clifton 26 1359CST 0 0 4 4 Hail (1.75)
Reno County
 Pretty Prairie 26 1409CST 0 0 0 0 Hail (1.00)
Washington County
 Brantford 26 1414CST 0 0 4 4 Hail (1.75)
 3 W to 2 N Washington 26 1425CST 2.5 100 0 6 5 4 Tornado (F2)

A tornado destroyed several farm homes, killing several hogs on its path to 2 miles north of Washington. A family took shelter in their basement and received minor injuries when their house was completely destroyed. The tornado moved across open country and crossed into Nebraska. Farms were damaged and there was damage in the town of Ladham.

Washington County
 2.5 SW Washington 26 1430CST 0 0 4 4 Hail (1.75)
Harvey County
 Sedgwick 26 1430CST 0 0 0 0 Hail (1.75)
Kingman County
 Kingman 26 1430CST 0 0 0 0 Hail (1.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KANSAS Cont'd

Cloud County Clyde	26	1440CST			0	0	4	4	Hail (1.75)
Harvey County 4 ENE Newton	26	1442CST			0	0	0	0	Hail (0.75)
Cloud County Clyde	26	1443CST			0	0	4	4	Hail (1.25)
Chase County 2 N Strong City	26	1445CST	1.0	15	0	0	3	0	Tornado (F0)

A tornado touched down and damaged a few farm sheds.

Washington County 3 SE Hollenberg to 5 SW Odel NE	26	1450CST	5.0	100	0	0	5	4	Tornado (F2)
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A new tornado formed and moved toward the town of Latham where it produced substantial damage to the small town on the Kansas/Nebraska border.

Kingman County Varner	26	1455CST			0	0	0	0	Hail (2.00)
Reno County 1 S Pretty Prairie	26	1455CST			0	0	0	0	Hail (0.75)
Republic County Narka	26	1501CST			0	0	4	4	Hail (1.75)
Morris County 2 NW to 8 NE Council Grove	26	1510CST	7.0	50	0	0	6	0	Tornado (F0)

Minor damage to trees and fences. A cabin near Council Grove Reservoir was damaged and several power poles were blown down along Chalk Road northeast of Council Grove. It moved northeast into Waubunsee County at 1520 CST.

Marion County Hillsboro	26	1519CST			0	0	0	0	Hail (1.75)
Harvey County Burrton	26	1520CST			0	0	0	0	Hail (1.75)
Waubunsee County 8 NE Council Grove to 10 SW Hessdale	26	1520CST	6.0	25	0	0	4	0	Tornado (F0)

A small tornado continued from Morris County travelling northeast. A few trees were damaged and some power lines were blown down.

Waubunsee County 10 SW Eskridge to 3 SW Rossville	26	1535CST	28.0	200	0	0	5	0	Tornado (F1)
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A tornado destroyed a farmhouse and some buildings near Lake Waubunsee and was tracked on the ground as it moved northeast across the county. Damage was minor for the most part due to the rural setting. The tornado damaged a stone church, built in 1876 west of Maple Hill. The tornado moved into northwestern Shawnee County (see Shawnee County 1615 CST).

Marion County Marion Reservoir	26	1541CST			0	0	0	0	Hail (1.00)
Harper County Harper	26	1553CST			0	0	0	0	Hail (1.75)
Russell County 13 S Russell	26	1600CST			0	0	3	3	High Wind (G70)

Strong winds gusted to 80 mph damaging several farm buildings. There were no thunderstorms in the area.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KANSAS Cont'd

Harper County 4.5 N Anthony	26 1615CST				0	0	4	0	Hail (0.75)
	Hail produced major damage to the roof of a school.								
Shawnee County 3 SW Rossville to 3 N Grove	26 1615CST	9.0	50		0	0	5	0	Tornado (F2)
	A tornado moved over the western edge of Rossville damaging several homes. Most of the damage was external such as roofs and windows. One farm outbuilding was destroyed. Total damage was \$50,000. The tornado moved into Jackson County (See Jackson County 1625 CST).								
Morris County Latimer	26 1616CST				0	0	0	0	Hail (1.00)
Harper County 6 NE Anthony	26 1620CST	1.0	50		0	0	3	0	Tornado (F0)
	A tornado tore part of a roof off northeast of Anthony then dissipated over an open field.								
Harper County 1 SE Freeport to 3 SW Argonia	26 1630CST	4.0	50		0	0	3	0	Tornado (F0)
	The first of four tornadoes from the same thunderstorm developed in eastern Harper County then moved into Sumner County. (See Sumner County 1632 CST)								
Harvey County Newton	26 1620CST				0	0	0	0	Hail (1.75)
Jackson County 3 N Grove to 5 SW Mayetta	26 1625CST	7.0	25		0	0	3	0	Tornado (F0)
	A tornado weakened rapidly as it entered Jackson County. The total length of the damage path across three counties, Wabaunsee, Shawnee, and Jackson, was 44 miles.								
Sumner County 2 S Milton	26 1628CST				0	0	0	0	Hail (1.75)
Sumner County 3 SW Argonia to 1 SW Conway Springs	26 1632CST	12.0	500		0	0	0	0	Tornado (F0)
	A tornado moved into Sumner County, skipping across open fields, and finally dissipated 1 mile southwest of Conway Springs. The wall cloud was followed into Sedgwick County. The tornado did not strike any structures. Total path length in Harper and Sumner Counties was 16 miles. This thunderstorm produced other tornadoes (see Sedgwick County 1657 CST).								
Marion County Marion	26 1640CST				0	0	0	0	Hail (1.75)
Sedgwick County Goddard	26 1647CST	2.0	50		0	0	4	0	Tornado (F1)
	A tornado produced major damage to a boat dealership in Goddard. It touched down briefly and the funnel cloud was tracked to near Valley Center.								
Marion County Goessel	26 1650CST				0	0	0	0	Hail (1.75)
3.5 E Marion	26 1655CST				0	0	4	0	Wind Damage
	Grain bins were rolled onto trucks by thunderstorm winds.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KANSAS Cont'd

Marion County
4 E Marion 26 1655CST 0 0 4 0 **Wind Damage**

Sedgwick County
5 W Clearwater 26 1655CST 0 0 0 0 **Hail (1.00)**
2 SSE Clearwater 26 1657CST 24.0 440 4 75 8 6 **Tornado (F4)**
to 1 SW Andover

A tornado touched down south of Clearwater and quickly grew to F3 strength as it moved toward Haysville. Spotters indicated a multiple vortex structure with three vortices revolving around each other. It moved northeast across northern Haysville and produced major damage to homes. It crossed K-15 just south of 47th Street in southeastern Wichita and into the Boeing Aircraft Plant damaging one building. It moved across McConnell Air Force Base runway and heavily damaged buildings on the base. It crossed a field and destroyed two apartments and several homes in the base housing complex. It severely damaged an elementary school and caused 16 injuries. The tornado moved to near Pawnee and Greenwich Road where it grew to F4 strength. Four people were killed, two children and two adults, in the housing development just northeast of that intersection. The deaths occurred when they were outside trying to reach shelter. Damage in the county was \$100 million plus \$62 million at McConnell Air Force Base. (F67OU, F47OU, F5OU, F2OU [see Butler County 1740 CST])

Harvey County
Newton 26 1730CST 0 0 4 0 **Hail (1.75)**

Brown County
Hiawatha 26 1730CST 0 0 4 0 **Thunderstorm Winds (G82)**

Strong winds accompanied by heavy rains caused damage near Hiawatha. Most of the damage occurred to uprooted trees and downed power lines. Two houses received moderate damage. A tree fell on one house and the roof was damaged on another.

Marion County
Peabody 26 1735CST 0 0 0 0 **Funnel Cloud**

Wabaunsee County
3 W Alma to 26 1735CST 9.0 20 0 0 0 0 **Tornado (F0)**
4 N Paxico

A small tornado was seen moving northeast damaging trees along its 9-mile path.

Butler County
1 SW Andover to 26 1740CST 45.0 700 13 150 8 7 **Tornado (F5)**
5 N El Dorado

A violent tornado moved out of Sedgwick County and slammed into the southern part of Andover. Eighty-four frame houses and fourteen businesses were destroyed or severely damaged. A 241-unit mobile home park was hit hardest and 223 mobile homes were destroyed. All 13 deaths occurred in the park. The park had a tornado shelter which 200 people utilized. The tornado reached the F5 strength just west of the mobile home park. Moving northeast where it finally weakened north of El Dorado. Another tornado formed northeast of El Dorado Lake (see Butler County 1810 CST). (F85OU, M89OU, M46OU, F82MH, F41MH, F28MH, M60MH, M68MH, M47OU, M23OU, F58OU, F70OU, F55MH)

Cowley County
Winfield 26 1750CST 0 0 4 4 **Hail (3.00)**

Shawnee County
Rossville 26 1750CST 0 0 0 0 **Thunderstorm Winds (G65)**
Silver Lake 26 1753CST 0 0 0 0 **Thunderstorm Winds (G58)**

Cowley County
3 NE Cambridge 26 1755CST 0 0 6 4 **Wind Damage**

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KANSAS Cont'd

Downburst winds damaged several homes near Cambridge. Barns were flattened by the winds. The downburst was the result of a rear-flank downdraft produced by the thunderstorm which spawned the Arkansas City to Burden tornado.

Butler County
10 NE El Dorado
to 3 ENE Cassoday

26 1810CST 16 100 0 4 5 0 Tornado (F2)

A third tornado formed northeast of El Dorado. The tornado paralleled the Kansas Turnpike and threw cars and trucks around like toys. A news crew filmed the tornado from beneath an overpass as the tornado passed nearly overhead. The film shows a car caught in the vortex and a tractor-semitrailer which was tossed several times. Cars were thrown over 75 yards from the turnpike. It moved northeast into Chase County and weakened. (See Chase County 1825 CST)

Ottawa County
1 S Minneapolis
Shawnee County
Dover

26 1821CST 0 0 3 3 Hail (0.75)

26 1823CST 0 0 4 0 Thunderstorm Winds (G58)

Chase County
3 ENE Cassoday
to 4 E Matfield
Green

26 1825CST 3.0 100 0 0 0 0 Tornado (F0)

A tornado moved out of Butler County and moved over open country. It weakened and finally diminished east of Matfield Green.

Elk County
7 W Howard to
2 SW Severy

26 1826CST 22.0 200 1 2 5 4 Tornado (F3)

A funnel cloud moved into Elk County and touched down 7 miles west of Howard damaging a home and some outbuildings. It moved northeast leveling a mobile home 2 miles west and 6 miles north of Howard. A woman was killed and her husband seriously injured while they were in the mobile home. The tornado continued northeast into Greenwood County. (F80MH)

Clay County
10 W Clay Center
Chase County
3 NE Elmdale

26 1835CST 0 0 3 3 Hail (0.75)

26 1840CST 1.0 50 0 0 3 0 Tornado (F0)

A small tornado touched down and destroyed a farm shed.

Greenwood County
2 SW Severy

26 1925CST 2.0 100 0 0 6 3 Tornado (F3)

A tornado moved into Greenwood County as it weakened into a thin rope-like structure. It damaged some fences and power lines southwest of Severy and then lifted, passing over Severy as a funnel cloud.

Sumner County
Wellington

26 1925CST 0 0 4 0 Hail (1.75)

Shawnee County
Topeka

26 1928CST 0 0 4 0 Hail (1.00)

Numerous reports of 1-inch hail across Topeka between 1928 CST and 1945 CST.

Sedgwick County
7 S Wichita

26 1933CST 1.0 50 0 0 3 0 Tornado (F0)

A tornado touched down briefly near 55th Street South and Hydraulic. Several outbuildings were damaged.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KANSAS Cont'd

Greenwood County

5 S Neal to
3 SE Quincy 26 1935CST 10.0 50 0 0 6 3 **Tornado (F3)**

A tornado leveled several buildings and houses. Some had roofs and walls blown out. Several fences were down and 26 power poles were snapped or blown down. The tornado exited Greenwood County 3 miles southeast of Quincy at 1950 CST.

Montgomery County

Coffeyville 26 1935CST 0 0 0 0 **Hail (1.75)**

Shawnee County

Topeka (TOP) 26 1945CST 0 0 0 0 **Thunderstorm Winds (G56)**

Woodson County

3 SE to 5 NE
Quincy 26 1950CST 5.0 50 0 0 5 4 **Tornado (F3)**

A tornado moved into Woodson County striking a rock quarry north of Toronto. Trucks and equipment received major damage. A fuel truck, full of fuel and weighing 35,000 to 40,000 pounds, was found 75 yards away. Two tractor-semitrailers were completely destroyed and buildings were damaged. The tornado struck a farmhouse 6 miles north of Toronto, picking it up, turning it 90 degrees, and setting it down. The tornado lifted 8 miles north of Toronto. Damage was \$300,000.

Montgomery County

Independence 26 1952CST 0 0 0 0 **Hail (1.00)**

Shawnee County

5 NE to 8 NE
Topeka 26 1954CST 3.0 20 0 0 4 0 **Tornado (F1)**

A tornado formed just north of the National Weather Service Office. The wind outside the door of the NWS office was nearly calm while the anemometer, 250 yards away, read 56 knots. The tornado touched down and promptly damaged the power substation near US Highway 24. It continued northeast into Jefferson County. (see Jefferson County 2000 CST)

Cowley County

Udall 26 2000CST 0 0 0 0 **Hail (0.75)**

Woodson County

5 NE Toronto 26 2000CST 0 0 0 0 **Hail (1.75)**

Jefferson County

8 NE Topeka to
4 W Ozawkie 26 2000CST 8.0 100 0 4 4 0 **Tornado (F1)**

A tornado moved northeast across southwestern Jefferson County. Most of the damage occurred to trees and power lines. Spotters followed the storm and saw it lift 4 miles west of Ozawkie. Four people were injured when the tornado destroyed their mobile home.

Labette County

Parsons 26 2025CST 0 0 0 0 **Hail (0.75)**

Jefferson County

5 SW Nortonville
to Nortonville 26 2025CST 5.0 25 0 2 6 0 **Tornado (F2)**

There was substantial damage to several homes in the Nortonville area. Thirteen homes were destroyed, a nursing home and several businesses sustained major damage. Trees were uprooted and debris was tossed for miles. The tornado crossed into Atchison County. (See Atchison County 2133 CST)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K	I	P	C	

KANSAS Cont'd

Atchison County
Nortonville to
2 SW Doniphan

26 2033CST 20.0 100 0 0 5 4 Tornado (F1)

The tornado moved out of Jefferson County into Atchison County skipping along doing damage to trees and fences. Damage was done to a grain elevator and other buildings west of Atchison. Several farms lost outbuildings.

Cowley County
Arkansas City

26 2037CST 0 0 0 0 Hail (0.75)

Montgomery County
3 NW Coffeyville
5 W Coffeyville

26 2110CST 0 0 0 0 Funnel Cloud
26 2120CST 1.0 50 0 0 4 0 Tornado (F0)

A small tornado touched down briefly damaging a building.

Labette County
2 NW Oswego

26 2130CST 0 0 0 0 Hail (0.75)

Bourbon County
Fort Scott

26 2310CST 0 0 0 0 Hail (0.75)

Wyandotte County
Piper

26 2330CST 0 0 0 0 Thunderstorm Winds (G59)

Ellis County
9 S Hays

28 1420CST 0 0 3 3 Hail (0.75)

Lyon County
3 SW Emporia

28 1503CST 0 0 0 0 Hail (1.50)

Smith County
12 NW Smith Ctr
10 N Kensington

28 1520CST 0 0 0 0 Funnel Cloud
28 1535CST 0 0 4 3 Wind Damage

Pratt County
4 W Pratt
1.5 N Byers

28 1550CST 1.0 15 0 0 0 0 Tornado (F0)
28 1553CST 0.5 20 0 0 5 0 Tornado (F1)

A tornado touched down briefly in Pratt County and then moved into Stafford County. (See Stafford County 1557 CST)

Stafford County
2 N Byers to
7 SE Dillwyn

28 1557CST 10.0 20 0 0 5 5 Tornado (F1)

A tornado moved into Stafford County. A farmhouse and irrigation system were damaged near Byers. The tornado then moved north-northeast to 7 miles southeast of Dillwyn.

Douglas County
Lawrence

28 1559CST 0 0 0 0 Hail (1.50)

Osborne County
5 SE Osborne

28 1615CST 0 0 3 3 Hail (0.75)

Russell County
Russell

28 1622CST 0 0 3 3 Hail (0.75)

Pratt County
5 N Pratt

28 1623CST 0.8 10 0 0 0 0 Tornado (F0)

Russell County
15 ENE Russell

28 1640CST 0 0 4 4 Hail (1.75)

Leavenworth County
Linwood

28 1708CST 0 0 0 0 Thunderstorm Winds (G58)

Reno

28 1713CST 0 0 4 3 Hail (2.00)

Basehor

28 1728CST 0 0 0 0 Thunderstorm Winds (G56)

Osborne County
1 W Downs

28 1735CST 0 0 3 3 Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KANSAS Cont'd

Mitchell County Cawker City	28	1753CST			0	0	3	3	Hail (0.75)
Jewell County 3 E Jewell	28	1840CST			0	0	3	3	Hail (1.00)
5 NW Mankanto	28	1832CST			0	0	3	3	Hail (1.00)
Formosa	28	1905CST			0	0	3	3	Hail (0.75)

KENTUCKY

Crittenden County Tolu	09	0604CSt			0	0	0	0	Hail (1.75)
Union County Sturgis	09	0615CST			0	0	0	0	Hail (0.80)
Webster County Wheatcroft	09	0630CST			0	0	0	0	Hail (0.80)
Trigg County Cadiz	09	1043CST			0	0	0	0	Hail (0.75)
Cadiz	09	1058CST			0	0	0	0	Hail (0.75)
Cadiz	09	1110CST			0	0	0	0	Thunderstorm Winds

Strong winds damaged a building and downed trees near Cadiz.

Christian County	09	1120CST			0	0	4	0	Thunderstorm Winds
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Thunderstorm wind gusts, recorded up to 74 mph, damaged several structures and downed trees and power lines.

Daviss County	09	1131CST			0	0	3	0	Thunderstorm Winds
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Trees and power lines were blown down.

Toad and Logan Counties

Guthrie to Schochoh	09	1150CST	18	300	0	0	6	3	Tornado (F2)
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A tornado touched down at Guthrie damaging several homes and uprooting trees. The tornado then skipped across Logan County, uprooting trees and damaging a mobile home and an outbuilding at Keysburg, blowing a trailer off its foundation and damaging several outbuildings at Schochoh, and blocking city streets in Adairville with downed power lines and trees.

Daviss County Owensboro	09	1152CST			0	0	2	0	Thunderstorm Winds
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Thunderstorm winds uprooted several trees once again near Owensboro.

Warren County	09	1215CST- 1230CST			0	0	3	0	Thunderstorm Winds
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Numerous trees and power lines were blown down throughout the county.

Meade County	09	1326CST			0	0	3	0	Thunderstorm Wind
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Trees and power lines were blown down near Little Bend.

Simpson County	09	1230CST			0	0	6	2	Thunderstorm Winds
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Thunderstorm winds heavily damaged farm equipment and outbuildings in and around Franklin. Several public buildings were also damaged.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KENTUCKY Cont'd

Butler County
Morgantown 09 1230CST 0 0 2 0 **Thunderstorm Winds**

Thunderstorm wind downed trees near Morgantown.

Allen County 09 1240CST-1250CST 0 0 5 0 **Thunderstorm Winds**

Strong thunderstorm winds destroyed three mobile homes and damaged at least 12 frame homes. Thirty outbuildings were also damaged or destroyed.

Jefferson County 09 1340EST 0 0 2 0 **Thunderstorm Winds**

Sixty-mph winds were reported at a television station just east of downtown Louisville.

Barren County 09 1245CST 0.5 400 0 3 6 2 **Tornado (F2) Thunderstorm Winds**

A tornado briefly touched down 2 miles southeast of Glasgow, destroying feed mills and silos as well as several homes. Thunderstorm winds then destroyed a number of structures throughout the county. All together 13 mobile homes and 34 frame homes were destroyed, along with 180 outbuildings.

Shelby County 09 1345EST 0 0 5 0 **Thunderstorm Winds**

Strong winds damaged two buildings in an industrial park 1 mile southwest of Shelbyville. Strong winds also blew a large part of the roof off a Wal-Mart just west of the city.

Grayson County 09 1245CST 0 0 3 0 **Thunderstorm Winds**

Trees and power lines were blown down across the county.

Oldham County 09 1350EST 0 0 0 0 **Hail (0.75)**
Edmonson County 09 1300CST 0 3 5 0 **Thunderstorm Winds**

Thunderstorm winds destroyed a mobile home and five barns near Rockly Hill. Three people in the trailer were slightly injured.

Metcalfe County
Edmonton 09 1300CST 0 0 6 2 **Thunderstorm Winds**

A strong storm moving through the area destroyed 6 mobile homes, severely damaged 2 frame houses, and destroyed 38 agricultural buildings. In addition, six automobiles were damaged by uprooted trees. Damage estimates were around \$1 million.

Mercer County 09 1400EST 0 0 4 2 **Thunderstorm Winds**

Strong thunderstorm winds whipped through the county, downing trees and power lines. Several homes and cars were damaged from the fallen trees.

Russell County 09 1310CST 0 0 5 0 **Thunderstorm Winds**

Strong winds damaged several homes in Jamestown. The Jamestown Elementary School sustained damage when the roof was blown off the gym. A radio tower was also blown over and many trees were uprooted.

Taylor County 09 1410EST 0 0 5 0 **Thunderstorm Winds**

Strong thunderstorm winds blew the roof off a school in Cane Valley and downed trees and power lines in Campbellsville.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KENTUCKY Cont'd

Adair County	09	1315CST			0	6	6	3	Thunderstorm
<p>Thunderstorm winds in excess of 70 mph damaged or destroyed 144 homes and mobile homes. Six businesses sustained damage and one church reported major damage. Three people were slightly injured when their trailer was destroyed. Three people were injured from flying debris. Many barns were damaged as well. The damage occurred all across the county.</p>									
Green County	09	1315CST			0	0	5	0	Thunderstorm Winds
<p>Winds gusting in excess of 65 mph damaged or destroyed many barns and outbuildings across the county. In addition, a roof was blown off a house in the small community of Mell.</p>									
Hart County	09	1320CST			0	0	5	0	Thunderstorm Winds
<p>Thunderstorm winds throughout the county destroyed 13 mobile homes and damaged 8 others. Seven frame homes and over 50 barns were also reported damaged.</p>									
Casey County	09	1430EST			0	2	6	0	Thunderstorm Winds
<p>Strong winds blew the roof off the City Hall and the Dollar General Building. Several cars were damaged when uprooted trees fell on them. Two people were slightly injured from flying debris.</p>									
Washington County	09	1430EST			0	0	5	0	Thunderstorm Winds
<p>Strong winds damaged several mobile homes and downed trees throughout the county.</p>									
Garrard County	09	1430EST			0	0	5	2	Thunderstorm Winds Hail (0.75)
<p>Forty to fifty barns were destroyed in the Paint Lick and Carterville areas. Hail was reported around the Fall Lick area and trees were reported down across the county.</p>									
Gallatin County	09	1430EST			0	0	4	0	Thunderstorm Winds
<p>Thunderstorm winds uprooted trees and damaged at least one house in the northern portion of the county.</p>									
Wayne County Monticello	09	1332CST			0	0	5	0	Thunderstorm Winds
<p>Winds in excess of 65 mph ripped the roof off the Wayne County Vocational School, causing over \$100,000 in damages. In addition many barns and outbuildings were destroyed or damaged.</p>									
Lincoln County	09	1442EST			0	0	5	0	Thunderstorm Winds
<p>Strong winds destroyed or damaged many homes and barns across the county. The worst damage was concentrated in the Highland and McKinney areas.</p>									
Pulaski County	09	1442EST			0	10	6	0	Thunderstorm Winds
<p>Winds in excess of 70 mph damaged several buildings, homes, and barns. Two school buildings were damaged, one in Woodstock and one in Burnside. A roof was blown off a firehouse in Eubank. The roof of a tobacco warehouse was also blown off. All were treated at local hospitals and released.</p>									
Boone and Kenton Counties	09	1445EST	3	100	0	0	5	0	Tornado (F1)
<p>A small tornado touched down in south-central Boone County and moved northeast into west-central Kenton County. Most of the damage occurred in the housing development of Richwood, leveling large trees and damaging several homes.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KENTUCKY Cont'd

Madison County 09 1500EST 4 50 0 0 4 0 **Tornado (F1)
Hail (1.75)**

A tornado touched down just north of Berea. The tornado was moving northeast and stayed on the ground about 4 miles. Ten barns and a tenant house were demolished, and numerous large trees were blown over. Golf ball-size hail was also reported in the area.

Rockcastle County 09 1500EST 2 100 0 0 5 0 **Tornado (F1)**

The tornado touched down in the northern portion of the county north of Mt. Vernon. A barn was lifted off its foundation and several horses and cows were lifted and thrown to the ground. A pickup truck was thrown 200 feet. Other damage from high wind was reported around the county. A boat dock was destroyed and a trailer was overturned.

Jessamine County 09 1508EST 0 0 4 0 **Thunderstorm Winds**

Strong thunderstorm winds blew down several large trees around Asbury College.

Fayette County 09 1510EST 0 0 5 0 **Thunderstorm Winds**

Strong thunderstorm winds damaged several buildings at a Lumber and Supply Company in Lexington and several large trees were blown over on the University of Kentucky campus. A television station reported 58-mph winds.

Estill County 09 1520EST 0 0 5 0 **Thunderstorm Winds**

Strong winds uprooted trees, blew roofs off several homes, and damaged guttering and porches in the community of Irvine.

Lee County 09 1530EST 0 0 4 0 **Thunderstorm Winds**

Several mobile homes were destroyed and the roofs of some frame homes and barns were ripped off. Many large trees were uprooted.

Owsley County 09 1530EST 0 0 4 0 **Thunderstorm Winds**

Strong winds destroyed several barns and one mobile home. Roofs were blown off some homes and trees were uprooted throughout the county.

Powell County 09 1535EST 0 0 5 0 **Thunderstorm Winds**

Numerous trees were blown down and roofs blown off several houses in the western portion of the county. In addition, one mobile home was completely destroyed. Several large trees were also blown down in Clay City.

Montgomery County 09 1540EST 0 0 5 0 **Thunderstorm Winds**

Thunderstorm winds gusting to 70 mph destroyed barns and a mobile home. Many roofs were blown off barns and houses across the county.

Menifee County 09 1540EST 0 0 4 0 **Thunderstorm Winds**

Strong thunderstorm winds downed trees and power lines throughout the county. In addition, several barns were destroyed in the Pomeroyton area. Several trailers were destroyed in the Petter Trace area and near Means. Several barns were also destroyed and a house was lifted off its foundation near Danridge.

Laurel County 09 1540EST 0 0 5 0 **Thunderstorm Winds**

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KENTUCKY Cont'd

Winds in excess of 60 mph damaged homes and buildings and destroyed many barns and outbuildings throughout the county.

Whitley County	09	1545EST			0	0	4	0	Thunderstorm Winds
									Strong winds damaged trailers and barns across the county. Many trees and power lines were also blown down.
Knox County	09	1547EST			0	0	3	0	Thunderstorm Winds
									Trees and power lines were blown down.
Clay County	09	1550EST			0	0	4	0	Thunderstorm Winds
									Strong winds damaged roofs to homes and businesses. Several barns were destroyed and many large trees were uprooted.
Bath County	09	1550EST			0	0	4	0	Thunderstorm Winds
									Winds gusting to 60 mph downed trees and power lines. In addition, the D.E.S. communications tower was blown over.
Rowan County	09	1555EST			0	1	5	0	Thunderstorm Winds
									A Michigan man was injured when high winds blew over his single engine airplane at the Rowan County Airport, just after landing. Many large trees and power lines were blown down, damaging several cars and homes in Morehead.
Breathitt County	09	1557EST			0	0	5	0	Thunderstorm Winds Hail (0.75)
									The Cooperative weather station at Jackson reported 58-mph winds. Structural damage occurred to several airport hangers.
Bell County	09	1600EST			0	0	4	0	Thunderstorm Winds
									A roof was blown off a house in Pineville.
Perry County	09	1605EST			0	0	5	0	Thunderstorm Winds
									Strong winds tore the roofs off some homes and businesses. Several trailers were blown over and many trees and power lines blown down. In addition, the side of a Pepsi Cola Plant was blown off.
Morgan County West Liberty	09	1605EST			0	0	4	0	Thunderstorm Winds
									Several barns and outbuildings were destroyed and trees and power lines were blown down.
Knott County	09	1620EST			0	0	4	0	Thunderstorm Winds
									Thunderstorm winds damaged several homes and businesses and downed trees and power lines.
Magoffin County	09	1622EST			0	0	5	0	Thunderstorm Winds
									Strong thunderstorm winds caused extensive damage to homes and businesses. Many roofs were blown off and windows blown out in Salyersville. Numerous trees and power lines were also blown down.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

KENTUCKY Cont'd

Breathitt County	09	1623EST			0	0	5	0	Thunderstorm Winds
Strong winds damaged many businesses in downtown Jackson. The roofs were blown off a Chevron and Shell-Mart station. A frame house and an automobile sales building were damaged from downed trees.									
Floyd County	09	1625EST			0	0	4	0	Thunderstorm Winds
Trees were blown down on several homes in David; trees and power lines were blown down in the community of Prestonsburg.									
Letcher County	09	1630EST			0	0	4	0	Thunderstorm Winds
Many trees and power lines were reported down across the county.									
Carter County	09	1635EST			0	0	5	0	Thunderstorm Winds
Strong winds uprooted trees, tore roofs off several buildings, damaged some homes, and destroyed many barns. Damage estimates were more than \$250,000.									
Lawrence County	09	1635EST			0	0	6	0	Thunderstorm Winds
Winds in excess of 75 mph destroyed 18 mobile homes and damaged 105 houses. Many barns were blown down and trees were uprooted. Damage estimates were around \$2 million.									
Greenup County	09	1640EST			0	0	4	0	Thunderstorm Winds
Uprooted trees in Flatwoods damaged a house and several cars.									
Boyd County	09	1640EST			0	0	4	0	Thunderstorm Winds
Strong winds downed trees and blew out store windows in downtown Ashland.									
Pike County	09	1703EST			0	0	4	0	Thunderstorm Winds Hail (1.00)
Strong winds downed many trees across the county.									
Oldham County	23	1925EST			0	0	3	0	Thunderstorm Winds
Several large trees were uprooted near LaGrange.									
Jefferson County	23	1955EST			0	0	3	0	Thunderstorm Winds
Several trees were uprooted in the southern part of the county.									

LOUISIANA

St. Bernard Parish Chalmette	09	1405CST			0	0	0	0	Hail (0.75)
Washington Parish Angie	09	1500CST			0	0	3	0	Hail (1.75)
Tangipahoa Parish Amite	09	1530CST			0	0	3	0	Thunderstorm Winds
Orleans Parish New Orleans	09	1730CST			0	0	2	0	Hail (1.00)
Jefferson Parish New Orleans Intl Airport (MSY)	09	1743CST			0	0	3	0	Hail (1.75)
Harvey	09	1825CST			0	0	2	0	Hail (1.00)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

Livingston Parish 8 S Walker	09	1830CST			0	0	3	0	Hail (1.75)
Severe thunderstorms developed in widely-scattered areas of southeastern Louisiana producing hail from 1 to 2 inches in diameter. Thunderstorm wind gusts downed several trees in Amite.									
Vernon Parish Rosepine	11	0905CST	0.5	50	0	0	3	0	Tornado (F1)
A tornado touched down briefly near Rosepine damaging a barn and uprooting several trees.									
Caddo Parish Shreveport	12	0345CST-							
		0355CST			0	0	3	0	Thunderstorm Winds (G54)
Shreveport	12	0530CST			0	0	4	0	Thunderstorm Winds
Shreveport	12	0600CST			1	0	4	0	Thunderstorm Winds
Shreveport	12	0615CST-							
		0645CST			0	3	6	0	Thunderstorm Winds (G70)
Shreveport	12	0707CST			0	0	?	0	Thunderstorm Winds
Severe thunderstorm winds destroyed a ferris wheel and did additional heavy damage at a Shreveport amusement park.									
Caddo Parish Shreveport	12	0715CST			0	0	4	0	Thunderstorm Winds (G56)
Bossier Parish 3 S Barksdale Air Force Base (BAD)	12	0410CST			0	0	3	0	Thunderstorm Winds
3 SE Elm Grove	12	0542CST			0	0	3	0	Thunderstorm Winds
Barksdale Air Force Base (BAD)	12	0650CST			0	0	4	0	Thunderstorm Winds (G55)
Caddo Parish 5 SE Shreveport	12	0640CST-							
Bossier Parish 2 S Haughton	12	0710CST	15.0	100	0	0	5	0	Tornado (F2)
Claiborne Parish 10 W Homer	12	0620CST			0	0	2	0	Thunderstorm Winds
Webster Parish 7 WSW Minden	12	0540CST			0	0	3	0	Thunderstorm Winds (G65)
Sibley	12	0612CST			0	0	2	0	Hail (1.75)
Dixie Inn	12	0620CST			0	0	3	0	Hail (1.00)
Doyline	12	0740CST			0	0	4	0	Thunderstorm Winds
Bienville Parish 5 S Ringgold	12	0615CST			0	0	3	0	Thunderstorm Winds Hail (1.00)
Webster Parish 2 S Hefflin	12	0930CST			0	0	3	0	Hail (1.75)
3 E Doyline	12	0930CST			0	0	3	0	Thunderstorm Winds
4 E Doyline	12	1040CST			0	0	3	0	Hail (1.75)
Caddo Parish Shreveport	12	1015CST			0	1	3	0	Lightning
Bienville Parish 2 S Lake Bistineau	12	0952CST			0	0	3	0	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			KILLED	INJURED	PROBABILITY	COSTS	

LOUISIANA Cont'd

Caddo Parish	12	0400CST-1600CST			2	0	6	5	Flash Flood
Bossier Parish	12	0400CST-1600CST			0	0	6	5	Flash Flood
Webster Parish	12	0400CST-1600CST			0	0	5	5	Flash Flood
De Soto Parish	12	0400CST-1600CST			0	0	5	5	Flash Flood

A large cluster of thunderstorms moved across the extreme northwestern corner of Louisiana bringing 60- to 80-mph wind gusts, hail, and torrential rainfall. The wind gusts caused widespread damage to tree limbs and power lines throughout the area. A hotel in Shreveport had its roof partially torn off by wind gusts, and the ferris wheel at a local Shreveport amusement park was partially destroyed. Around 0600 CST, a 32-year-old male was killed when the truck he was driving ran into a tree which was blown down onto the highway by thunderstorm wind gusts. A mesocyclone-type thunderstorm produced significant wind damage to property when it tracked from the southern part of Shreveport to south of Haughton between 0615 CST and 0715 CST. Wind gusts of 81 mph were recorded at the Shreveport Regional Airport where hangars and several airplanes were damaged. In addition, a large air conditioning unit was blown off the roof of the National Western Service Office at the airport. Two other persons suffered injuries when a car and van were blown off the highway. The mesocyclone spawned a tornado, (which was visually sighted), that touched down along an intermittent path from southern Shreveport to south of Haughton. Eight mobile homes were destroyed and several houses sustained roof damage. Near Haughton, the tornado ripped apart trees 40 to 60 feet in height in a 2-mile-long by 100-yard-wide path. The most damage from the storm was associated with flash flooding which occurred after 6 to 12 inches of rain fell over the region in less than 12 hours. The National Weather Service Office in Shreveport recorded 8.25 inches of rain in five hours. Approximately 900 homes in the four-parish region suffered flooding and 250 structures in the Shreveport/Bossier City area sustained major flood damage. Total storm damage in the area was estimated (as of early May 1991) to be near \$7.4 million, and agricultural losses were near \$1 million. There were two fatalities associated with the flash flooding. A 15-year-old boy and a 6-year-old boy were swept into a storm drain and drowned around 1300 CST on the 12th in Shreveport. (M32V, M130, M060).

Webster Parish Serepta	12	1130CST			0	0	?	?	Thunderstorm Winds Hail (1.75)
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A severe thunderstorm produced golf ball-size hail at Serepta.

Claiborne Parish 5 S Haynesville	12	1215CST			0	0	?	?	Thunderstorm Winds Hail (1.00)
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A severe thunderstorm produced 1-inch hail and downed several trees, 5 miles south of Haynesville.

Bossier Parish 5 N Benton	12	2330CST			0	0	3	0	Hail (1.00)
Lake Bodceau	13	0005CST			0	0	2	0	Hail (1.75)
Webster Parish Crouchwood	13	0015CST			0	0	2	0	Hail (1.25)
Claiborne Parish Homer	13	0052CST			0	0	3	0	Thunderstorm Winds

Severe thunderstorms produced hail in several locations in extreme northwestern Louisiana. A car windshield was cracked by hail near Benton. Trees were downed by thunderstorm wind gusts in the vicinity of Homer.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

Caddo Parish Shreveport Regional Airport (SHV)	13	1523CST			0	0	2	0	Thunderstorm Winds (G54)
Bossier Parish Bossier City	13	1547CST			0	0	3	0	Thunderstorm Winds (G59)
De Soto Parish Grand Cane	13	1600CST			0	0	3	0	Thunderstorm Winds
Webster Parish Sibley to Doyline	13	1615CST			0	0	3	0	Thunderstorm Winds
Red River Parish East Point to Bienville Parish	13	1600CST-			0	0	4	0	Thunderstorm Winds
5 S Castor	13	1700CST			0	0	4	0	Thunderstorm Winds
Jackson Parish Hodge	13	1740CST			0	0	3	0	Thunderstorm Winds (G63)
Natchitoches Parish Natchitoches	13	1745CST			0	0	4	0	Thunderstorm Winds
Union Parish Marion	13	1750CST			0	0	3	0	Thunderstorm Winds (G53)
Winn Parish 4 W Winnfield	13	1758CST			0	0	3	0	Thunderstorm Winds
Lincoln Parish Dubach	13	1800CST			0	0	4	0	Thunderstorm Winds
5 W Ruston	13	1800CST			0	0	2	0	Thunderstorm Winds
Ouachita Parish Monroe	13	1822CST			0	0	3	0	Thunderstorm Winds
Morehouse Parish Bastrop	13	1833CST			0	0	3	0	Thunderstorm Winds
Richland Parish Rayville	13	1845CST			0	0	2	0	Thunderstorm Winds
Caldwell Parish 1 NNW Columbia	13	1903CST			0	0	2	0	Thunderstorm Winds (G53)
West Carroll Parish Darnell	13	1905CST			0	0	3	0	Thunderstorm Winds
East Carroll Parish Roosevelt to Transylvania	13	1932CST			0	0	2	0	Thunderstorm Winds
Madison Parish 1 N Afton	13	2046CST			0	0	3	0	Thunderstorm Winds
Tensas Parish Lake Bruin	13	2005CST			0	0	2	0	Thunderstorm Winds (G55)

Severe thunderstorms moved across much of northern Louisiana bringing damaging wind gusts. The Shreveport Regional Airport recorded a wind gust of 62 mph. Thunderstorm wind gusts caused a wide swath of damage to trees in Red River and Bienville Parishes from near East Point to south of Castor. In some cases, the trunks of oak trees, measuring 3 feet in diameter, were twisted and snapped in half. Near Ruston, a 115-kilowatt transmission line was snapped by wind gusts, and a restaurant's windows were blown out near Rayville. Many of the damage reports consisted of trees downed by high winds, or large limbs being ripped from trees. Several barns in rural areas also sustained damage.

Franklin Parish Longview	13	1910CST			0	0	?	?	Thunderstorm Winds
Swampers	13	1910CST			0	0	?	?	Thunderstorm Winds

Severe thunderstorms blew down several trees in the Longview and Swampers areas.

De Soto Parish 5 N Grand Cane	14	0547CST			0	0	0	0	Hail (1.00)
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

Bossier Parish								
7 S Bossier City	14	0640CST			0	0	0	Hail (0.88)
Haughton	14	0650CST			0	0	2	Hail (1.25)
Bossier City	14	0715CST			0	0	2	Hail (1.25)
Caddo Parish								
Robson	14	0642CST			0	0	0	Hail (1.00)
Webster Parish								
Cotton Valley	14	0655CST			0	0	0	Hail (1.00)
1 NE Springhill	14	0730CST			0	0	2	Hail (1.75)
Claiborne Parish								
Haynesville	14	0748CST			0	0	2	Hail (1.75)
Bossier Parish	14	0700CST-						
		1700CST			0	0	5	Flash Flood
Caddo Parish	14	0700CST-						
		1700CST			0	0	5	Flash Flood
Webster Parish	14	0700CST-						
		1700CST			0	0	5	Flash Flood
Claiborne Parish	14	0700CST-						
		1700CST			0	0	5	Flash Flood
Sabine Parish	14	0700CST-						
		1700CST			0	0	5	Flash Flood
De Soto Parish	14	0700CST-						
		1700CST			0	0	5	Flash Flood

Thunderstorms produced hail ranging up to the size of golf balls in several locations in northwestern Louisiana during the morning. In addition, 3 to 6 inches of rain occurred in less than 6 hours on already saturated soil producing considerable runoff. Numerous secondary highways were flooded in the area, and many automobiles were stalled in high water in the Shreveport-Bossier City area. A mobile home park was flooded with water 3 to 5 feet deep, and some residents were evacuated. Several homes and businesses were also flooded in areas.

Calcasieu Parish								
2 S Lake Charles	14	1600CST			0	0	0	Funnel Cloud
Cameron Parish								
Johnson Bayou	14	1619CST			0	0	0	Funnel Cloud
Grand Chenier	14	1810CST			0	0	0	Thunderstorm Winds
St. Helena Parish								
Greensburg	14	1800CST			0	0	2	Thunderstorm Winds
Tangipahoa Parish								
Kentwood	14	1815CST			0	0	2	Thunderstorm Winds
Iberia Parish								
New Iberia	14	2030CST			0	0	3	Thunderstorm Winds
St. Mary Parish								
Franklin	14	2100CST			0	0	3	Thunderstorm Winds
St. Landry Parish								
Opelousas	14	1600CST-						
		2000CST			0	0	3	Flash Flood

Several thunderstorms which moved across southern Louisiana brought damaging wind gusts to scattered locations. Most of the wind damage was confined to large limbs ripped off trees, while other trees were toppled by wind gusts. In New Iberia, wind gusts blew out plate glass windows. Localized flooding in Opelousas closed US Highway 190 for a short period during the evening.

Caddo Parish								
Longwood	17	1602CST			0	0	2	Hail (1.75)
2 SW Dixie	17	1610CST			0	0	0	Hail (1.00)
Shreveport	17	1629CST			0	0	2	Thunderstorm Winds
Bossier Parish								
2 SW Benton	17	1620CST			0	0	2	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

Caddo Parish	17	1600CST-							
	18	0200CST			0	0	4	0	Flash Flood
De Soto Parish	17	1600CST-							
	18	0200CST			0	0	4	0	Flash Flood
Bienville Parish	17	1800CST-							
	18	0200CST			0	0	4	0	Flash Flood
Red River Parish	17	1800CST-							
	18	0200CST			0	0	4	0	Flash Flood
Sabine Parish	17	1800CST-							
	18	0200CST			0	0	4	0	Flash Flood
Natchitoches Parish	17	1800CST-							
	18	0200CST			0	0	4	0	Flash Flood

Thunderstorms moved into the northwestern portion of Louisiana during the evening hours and produced a few reports of wind damage and hail. The wind damage was mainly confined to downed trees and power lines in rural areas. Heavy precipitation falling on saturated ground caused flooding of many roads and secondary highways, and a few major highways. Numerous cars and trucks were stalled in the high water.

Acadia Parish									
2 S Crowley	18	0130CST			0	0	2	0	Thunderstorm Winds
Iberia Parish									
3 SW New Iberia	18	0200CST			0	0	3	0	Thunderstorm Winds
Ascension Parish									
Donaldsonville	18	0315CST			0	0	2	0	Thunderstorm Winds (G52)
St. John the Baptist Parish									
LaPlace	18	0315CST			0	0	3	0	Thunderstorm Winds (G50)
Acadia Parish									
2 S Crowley	18	0130CST			0	0	2	0	Thunderstorm Winds
Iberia Parish									
3 SW New Iberia	18	0200CST			0	0	3	0	Thunderstorm Winds
Ascension Parish									
Donaldsonville	18	0315CST			0	0	2	0	Thunderstorm Winds (G52)
St. John the Baptist Parish									
LaPlace	18	0315CST			0	0	3	0	Thunderstorm Winds (G50)
Jefferson Parish									
Metairie	18	0340CST			0	0	3	0	Thunderstorm Winds (G50)
Orleans Parish									
New Orleans	18	0345CST			0	0	2	0	Thunderstorm Winds
St. Bernard Parish									
Violet	18	0400CST			0	0	3	0	Thunderstorm Winds

A "bow echo" type thunderstorm complex raced across the southern tier parish of Louisiana producing wind gusts of 55 to 70 mph. The wind gusts broke off tree limbs which resulted in downed power lines. In LaPlace, several metal storage buildings were destroyed, and a roof was blown off a house near Violet.

Grant Parish									
Southern Portion	18	1830CST-							
	19	0130CST			0	0	4	0	Flash Flood
Rapides Parish									
Northern Portion	18	1830CST-							
	19	0130CST			0	0	4	0	Flash Flood

Unusually high water on a 50- to 60-acre lake near Simms, Grant Parish, caused the dam to erode and finally collapse. The floodwater inundated several roads in extreme southern Grant Parish and extreme northern Rapides Parish before receding. Three families were evacuated prior to the dam failure.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

Caddo Parish									
2 E Vivian	19	1130CST			0	0	0	0	Hail (1.00)
5 NW Shreveport	19	1210CST			0	0	3	0	Hail (1.75)
Blanchard	19	1220CST			0	0	4	0	Thunderstorm Winds (G70)
Dixie	19	1235CST			0	0	3	0	Hail (3.00)
Bossier Parish									
Benton	19	1215CST			0	0	2	0	Hail (1.75)
Haughton	19	1215CST			0	0	3	0	Hail (2.00)
Benton	19	1237CST			0	0	3	0	Hail (2.75)
Bossier City	19	1245CST			0	0	3	0	Thunderstorm Winds
Webster Parish									
Dixie Inn	19	1250CST			0	0	2	0	Hail (2.00)
De Soto Parish									
6 E Logansport	19	1250CST			0	0	0	0	Hail (1.00)
Claiborne Parish									
Athens	19	1420CST			0	0	2	0	Hail (1.50)
Bienville Parish									
1 S Bienville	19	1425CST			0	0	2	0	Hail (1.50)
Jackson Parish									
Jonesboro	19	1435CST			0	0	2	0	Hail (1.50)
Union Parish									
Farmersville	19	1500CST			0	0	2	0	Hail (2.00)
Quachita Parish									
Sterlington	19	1530CST			0	0	0	0	Hail (0.75)
Union Parish									
7 S Marion	19	1530CST			0	0	0	0	Hail (1.00)
Ouachita Parish									
Fairbanks	19	1535CST			0	0	0	0	Hail (1.75)
Morehouse Parish									
Mer Rouge	19	1545CST			0	0	2	0	Hail (1.00)
West Carroll Parish									
Darnell	19	1555CST			0	0	0	0	Hail (0.88)
East Carroll Parish									
Roosevelt	19	1605CST			0	0	0	0	Hail (0.75)
Madison Parish									
Waverly	19	1605CST			0	0	2	0	Hail (2.00)
Tensas Parish									
Lake Bruin		1715CST			0	0	3	0	Flash Flood
Caddo Parish									
	19	1200CST-			0	0	4	0	Flash Flood
		1700CST			0	0	4	0	Flash Flood
Bossier Parish									
	19	1200CST-			0	0	4	0	Flash Flood
		1700CST			0	0	4	0	Flash Flood
Webster Parish									
	19	1200CST-			0	0	4	0	Flash Flood
		1700CST			0	0	4	0	Flash Flood
Union Parish									
	19	1400CST-			0	0	4	0	Flash Flood
		2000CST			0	0	4	0	Flash Flood
Ouachita Parish									
	19	1400CST-			0	0	4	0	Flash Flood
		2000CST			0	0	4	0	Flash Flood
Morehouse Parish									
	19	1400CST-			0	0	4	0	Flash Flood
		2000CST			0	0	4	0	Flash Flood

Thunderstorms, some severe, moved across the northern third of Louisiana bringing hail to many locations, with the larger hailstones damaging roofs and automobile exteriors. Wind gusts in excess of 60 mph accompanied the thunderstorms in northwestern Louisiana ripping limbs from trees. In Haughton, wind gusts damaged roofs, and 80-mph wind gusts downed signs in Blanchard. The thunderstorm wind gusts ripped the siding off several houses in Bossier City. Two to four inches of rain fell in just a few hours over much of the area. Due to saturated soil conditions, considerable runoff was experienced with many low-lying areas and roads inundated.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

Orleans Parish									
New Orleans	19	1330CST	0.2	30	0	0	4	0	Tornado (F1)
New Orleans	19	1340CST			0	0	2	0	Hail (1.00)

A tornado touched down briefly in the Uptown area of New Orleans, tearing the roof off a church. One-inch hail was also reported in the eastern portion of New Orleans.

Washington Parish									
Angie	19	1340CST			0	0	3	0	Hail (1.75) Thunderstorm Winds

A severe thunderstorm produced golf ball-size hail and wind gusts in excess of 55 mph. Several automobile windows were broken by the wind-driven hail, while bark and leaves were stripped off trees.

Calcasieu Parish									
Sulphur	19	1545CST			0	0	2	0	Hail (1.75)
Lake Charles	19	1615CST			0	0	2	0	Hail (1.75)

Severe thunderstorms produced golf ball-size hail in the Lake Charles area.

West Feliciana Parish									
Weyanoke	19	1703CST			0	0	0	0	Hail (1.00)
St. Francisville	19	1730CST			0	0	0	0	Hail (0.75)
St. Francisville	19	1730CST			0	0	3	0	Thunderstorm Winds
East Feliciana Parish									
Ethel to Slaughter	19	1730CST- 1745CST			0	0	4	0	Thunderstorm Winds
Point Coupee Parish									
New Roads	19	1800CST			0	0	0	0	Hail (0.75)
East Baton Rouge Parish									
Port Hudson	19	1810CST			0	0	3	0	Thunderstorm Winds
Greenwell Springs	19	1820CST			0	0	3	0	Thunderstorm Winds
Baton Rouge	19	1830CST			0	0	3	0	Thunderstorm Winds

Severe thunderstorms developed over east-central Louisiana producing hail and damaging wind gusts. Most of the wind damage was confined to downed trees and power lines. Between Ethel and Slaughter, a large number of trees and power lines were brought down by the high wind gusts.

Caddo Parish									
Oil City	22	0545CST			0	0	3	0	Thunderstorm Winds
Bossier Parish									
2 S Benton	22	0605CST			0	0	0	0	Hail (0.88)
Webster Parish									
2 S Dixie Inn	22	0630CST			0	0	0	0	Hail (0.88)

Nickel-size hail and strong thunderstorm wind gusts were reported in a few locations in extreme northwestern Louisiana.

Assumption Parish									
Bayou Corner	25	0000CST			0	0	2	0	Hail (1.50)
St. Charles Parish									
Hahnville	25	0112CST			0	0	3	0	Thunderstorm Winds (G57)
Luling	25	0115CST			0	0	3	0	Thunderstorm Winds
Plaquemines Parish									
Belle Chase Naval Air Station (NBG)	25	0120CST			0	0	0	0	Thunderstorm Winds (G52) Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

Jefferson Parish
10 N Metairie 25 0135CST 0 0 0 0 Thunderstorm Winds (G62)

St. Bernard Parish
Caernarvon 25 0205CST 0 0 0 0 Hail (0.75)

A severe thunderstorm moved rapidly eastward across southeastern Louisiana producing hail and damaging wind gusts. The most significant damage occurred in St. Charles Parish with roof damage reported in Luling. The remainder of damage was confined to trees and power lines. A wind gust of 66 mph was recorded over Lake Pontchartrain north of Metairie.

Caddo Parish
2 N Ida 25 0230CST 0 0 2 0 Thunderstorm Winds

Bossier Parish
5 N Bolinger 25 0250CST 0 0 2 0 Thunderstorm Winds

Thunderstorm wind gusts downed trees and power lines.

East Feliciana Parish
McManus 25 0400CST 0 0 2 0 Thunderstorm Winds

East Baton Rouge Parish
Baton Rouge 25 0400CST 0 0 2 0 Thunderstorm Winds

Livingston Parish
Watson 25 0410CST 0 0 4 0 Thunderstorm Winds

Tangipahoa Parish
Pontchatoula 25 0430CST 0 0 3 0 Thunderstorm Winds

St. Tammany Parish
Covington 25 0445CST 0 0 2 0 Hail (1.75)

Covington to
Pearl River 25 0445CST-0500CST 0 1 4 0 Thunderstorm Winds

Madisonville 25 0450CST 0 0 3 0 Thunderstorm Winds

A severe thunderstorm moved rapidly from the Baton Rouge area to north of Slidell producing damaging wind gusts and hail. Near Watson, thunderstorm wind gusts knocked down a large tree which fell onto a trailer. Damage to house roofs and downed trees were reported in a swath from Covington to Pearl River in St. Tammany Parish. A tree fell onto a car northeast of Covington injuring one of its occupants. The other damage reports were generally confined to downed trees and power lines.

Iberia Parish
New Iberia 26 0600CST 0 0 3 0 Hail (0.75)

Lafourche Parish
Entire Parish 26 0600CST-27 1200CST 0 0 4 0 Coastal Flood, Flood

Thibodaux 26 0800CST 0 0 3 0 Thunderstorm Winds

Jefferson Parish
Lafitte 26 0800CST-27 1200CST 0 0 4 0 Coastal Flood, Flood

Coastal Area
Grand Isle 26 0930CST 0 0 4 0 Waterspout/Tornado (F1)

St. Charles Parish
West Bank Area 26 0800CST-27 1200CST 0 0 4 0 Flood/Coastal Flood

Severe thunderstorms moved across south central and southeastern Louisiana producing wind damage, hail, and heavy rain. Thunderstorm wind gusts downed several trees in New Iberia, and one building was heavily damaged by a falling tree. Thunderstorm wind gusts ripped off a portion of a house roof in Thibodaux. On Grand Isle, a waterspout moved onshore causing

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

damage to the roof of a seafood processing building, and nearby, two shrimp boats were overturned. The combination of high water levels in the bayous and drainage canals caused by strong onshore wind flow and 3 to 5 inches of rain caused flooding in several low-lying communities in Jefferson and St. Charles Parishes. The water was 3 feet deep on a few streets in the Lafitte area, and flooding was also reported in the Bayou Gauche area of St. Charles Parish and areas of Lafouche Parish. Many streets and roads, and a number of homes in the parishes experienced flooding. Severe beach erosion was reported on Grand Isle with a loss of 200 feet of beach front in some locations. About 9 inches of water covered portions of Louisiana Highway 1 on Grand Isle.

Union Parish									
Spearsville	26	1300CST			0	0	2	0	Hail (1.75)
Lockhart	26	1305CST			0	0	2	0	Thunderstorm Winds
Rocky Branch	26	1345CST			0	0	2	0	Thunderstorm Winds
Dean	26	1420CST			0	0	0	0	Hail (1.00)
Morehouse Parish									
5 NW Bastrop	26	1410CST			0	0	0	0	Hail (1.00)

Severe thunderstorms moved into northeastern Louisiana causing wind damage to trees and power lines, and hail ranging from nickel- to golf ball-size.

Allen Parish									
Kinder	26	1900CST			0	0	0	0	Hail (0.75)
Calcasieu Parish									
2 E Moss Bluff	26	1900CST			0	0	0	0	Hail (0.75)
Caddo Parish									
6 W Blanchard	26	2129CST			0	0	0	0	Thunderstorm Winds Hail (1.75)
Longwood	26	2130CST			0	0	0	0	Thunderstorm Winds Hail (1.00)

Severe thunderstorms produced large hail 6 miles west of Blanchard, and in Longwood.

Beauregard Parish									
Singer	27	0015CST			0	0	2	0	Thunderstorm Winds
Merryville	27	0037CST			0	0	0	0	Hail (0.75)

Thunderstorms over southwestern Louisiana produced a few reports of penny- to nickel-size hail. A few trees were downed by wind gusts near Singer.

Catahoula Parish									
5 N Jonesville	27	1535CST	0.2	.30	0	0	0	0	Tornado (F1)
Webster Parish									
2 N Heflin	27	1530CST			0	0	3	0	Hail (2.75)
Heflin	27	1645CST-			0	0	3	0	Hail (2.75)
4 E Doyline	27	1805CST			0	0	3	0	Hail (2.50)
Morehouse Parish									
Bastrop	27	1645CST			0	0	4	0	Thunderstorm Winds
Caddo Parish									
Shreveport	27	1652CST-			0	0	3	0	Hail (1.75)
Longwood	27	1705CST			0	0	4	0	Thunderstorm Winds (G53)
4 SW Shreveport	27	1705CST-			0	0	4	0	Thunderstorm Winds (G53)
Regional Airport (SHV)		1724CST	2.0	120	0	0	4	0	Tornado (F1)
Bossier Parish									
5 S Haughton	27	1725CST			0	0	3	0	Hail (1.75)
8 SE McDade	27	1805CST			0	0	3	0	Hail (2.50)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

Bienville Parish 5 N Ringgold to 2 NE Fryeberg 6 NW Ringgold	27	1741CST- 1754CST 1749CST	5.0	120	0	0	4	0	Tornado (F1) Hail (1.00)
Webster Parish 6 W Heflin 5 S Springhill Minden	27	1830CST 1845CST 1900CST			0	0	2	0	Hail (1.75) Hail (1.75) Thunderstorm Winds
Claiborne Parish 2 SE Homer 10 E Homer	27	1915CST 1935CST			0	0	2	0	Hail (1.75) Hail (1.75)
Union Parish 4 N Farmerville	27	1925CST			0	0	3	0	Thunderstorm Winds Hail (1.75)
Ouachita Parish 5 N Calhoun Sterlington	27	1930CST 1935CST			0	0	2	0	Hail (2.75) Thunderstorm Winds (G52) Hail (1.75)
3 E Sterlington	27	1950CST			0	0	2	0	Hail (1.00)
Union Parish Haile	27	1939CST			0	0	3	0	Thunderstorm Winds (G52)
Bienville Parish 3 SW Arcadia	27	1930CST			0	0	2	0	Thunderstorm Winds Hail (2.75)
Morehouse Parish Bastrop	27	1950CST			0	1	4	0	Thunderstorm Winds Hail (2.75)
5 E Bastrop	27	1950CST			0	0	2	0	Hail (1.75)
West Carroll Parish Epps	27	2045CST			0	0	3	0	Thunderstorm Winds (G52) Hail (1.75)
5 NW Darnell	27	2047CST			0	0	3	0	Thunderstorm Winds Hail (1.00)
Avoyelles Parish Bunkie	28	0030CST			0	0	3	0	Thunderstorm Winds

Severe thunderstorms raked northern Louisiana during the late afternoon and evening. One of the hardest hit areas was in the vicinity of Bastrop, Morehouse Parish, where thunderstorm wind gusts downed numerous trees causing widespread roof damage. One woman received minor injuries when a tree fell onto her home causing the roof to collapse. A tornado touched down in the southwestern section of Shreveport snapping pine trees along its 2-mile path. In north Bienville Parish, a tornado, visually sighted by spotters, downed numerous trees and destroyed one barn. Baseball-size hail fell in the community of Heflin for approximately 30 minutes. Large hail was reported in many locations with the community of Heflin experiencing baseball-size hail for approximately 30 minutes. The remainder of the effect of high wind and large hail was confined to property damage to roofs and autos, and downed trees and power lines. This thunderstorm activity was the first of several rounds which brought heavy rain to northern Louisiana during the following 48 hours. The torrential rain caused flooding and flash flooding in several parishes. Details of timing and extent of flooding are listed later in Storm Data.

West Baton Rouge Parish Brusly Landing	28	1255CST			0	0	3	0	Thunderstorm Winds
East Baton Rouge Parish Baton Rouge	28	1320CST			0	0	3	0	Thunderstorm Winds
Lafayette Parish Youngsville	28	1415CST			0	0	2	0	Hail (1.75)
Lafayette	28	1419CST			0	0	0	0	Hail (0.88)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

Concordia Parish
Ferriday 28 1445CST 0 0 3 0 **Thunderstorm Winds**

A severe thunderstorm brought strong wind gusts across the greater Baton Rouge area downing trees and power lines. A short time later a severe thunderstorm produced hail ranging from penny- to golf ball-size in the vicinity of Lafayette. Damage to trees and power lines was reported in eastern Concordia Parish.

Caddo Parish									
Shreveport	28	1401CST			0	0	0	0	Hail (0.75)
Caspiana	28	1415CST			0	0	0	0	Hail (0.88)
Oil City	28	1430CST			0	0	3	0	Hail (1.75)
Mira	28	1442CST			0	0	3	0	Hail (1.75)
Natchitoches Parish									
5 W Ashland	28	1405CST			0	0	0	0	Hail (1.00)
Red River Parish									
3 E Hall Summit	28	1405CST			0	0	2	0	Hail (1.75)
Bienville Parish									
5 S Bienville	28	1410CST			0	0	0	0	Thunderstorm Winds
Lake Bistineau (South)	28	1425CST			0	0	0	0	Hail (0.88)
Bossier Parish									
5 E Elm Grove	28	1420CST			0	0	0	0	Hail (1.00)
2 W Benton	28	1435CST			0	0	0	0	Hail (1.00)
4 E Houston	28	1443CST			0	0	3	0	Hail (1.75)
Webster Parish									
5 SW Dixie Inn	28	1425CST			0	0	2	0	Hail (1.75)
Caddo Parish									
Shreveport	28	1645CST			1	1	4	0	Thunderstorm Winds
Longwood	28	1710CST			0	0	0	0	Thunderstorm Winds (G54)
Mooringsport	28	1715CST			0	0	3	0	Hail (1.75)
Shreveport	28	1730CST			0	0	4	0	Thunderstorm Winds (G61)
Shreveport	28	1750CST			0	0	0	0	Hail (0.88)
Dixie	28	1805CST			0	0	0	0	Hail (1.00)
Bossier Parish									
Benton	28	1740CST			0	0	3	0	Thunderstorm Winds
Bossier City	28	1740CST			0	1	5	0	Thunderstorm Winds
De Soto Parish									
Keithville	28	1742CST			0	0	0	0	Thunderstorm Winds
Webster Parish									
Shongaloo	28	1805CST			0	0	2	0	Hail (1.75)
6 NE Minden	28	1805CST			0	0	6	0	Thunderstorm Winds
Springhill	28	1830CST			0	0	3	0	Thunderstorm Winds
Claiborne Parish									
Northwestern Portion	28	1730CST			0	0	3	0	Thunderstorm Winds
2 S Homer	28	1840CST			0	0	3	0	Thunderstorm Winds
Junction City	28	1835CST			0	2	5	0	Thunderstorm Winds
Union Parish									
Spearsville	28	1900CST			0	0	4	0	Thunderstorm Winds
West Carroll Parish									
Kilbourne	28	2100CST			0	0	4	0	Thunderstorm Winds

Severe thunderstorms swept across northern Louisiana during the late afternoon and evening and brought widespread wind damage to trees and power lines. In the Shreveport/Bossier City area, wind gusts as high as 70 mph were recorded along with nickel- to golf ball-size hail. Thunderstorm wind gusts caused a 50-foot oak tree to fall on a mobile home in northern Shreveport, killing a female occupant and injuring another person. At least three mobile homes were destroyed in the Bossier City and Benton areas when they were rolled by wind gusts or

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

crushed by falling trees. One person sustained injuries. In Webster Parish, numerous trees were downed or heavily damaged by wind gusts, and buildings at a church camp near Minden were heavily damaged. Wind damage to property in Webster Parish was estimated around \$1.25 million. In Claiborne Parish, several roofs were heavily damaged by thunderstorm wind gusts or falling trees in Junction City, with two persons injured. South of Homer and near Spearsville, barn roofs were ripped away by the thunderstorm wind gusts. (F25M)

Bienville Parish
Lake Bistineau N 28 1820CST 0 0 0 0 **Thunderstorm Winds**
Hail (1.00)

A severe thunderstorm produced 1-inch hail at the Lake Bistineau dam.

Allen Parish
Oakdale 29 0130CST 0 0 4 0 **Thunderstorm Winds**

Thunderstorm wind gusts downed approximately 10 trees, some of which fell on and destroyed a house.

Northern Louisiana
LAZ0021-LAZ005 27 1800CST-
 29 1800CST 0 0 7 7 **Heavy Rain, Flood**

Torrential rains of 6 to 12 inches occurred over extreme northern Louisiana from just east of Shreveport to the Mississippi River north of Tallulah within a 48-hour period. Within this area, from near Homer to Oak Grove, 12 to 14 inches of rain were recorded during the period. The rain fell on saturated soil, rivers and streams rose out of their banks flooding many homes and roads. Hundreds of thousands of acres of agricultural land were also inundated. Some of the worst flooding occurred along the Ouachita and Tensas River watershed, where water did not crest until mid-May. A parish-by-parish description of damage reported as of April 30th follows. Additional property and agricultural damage estimates will be listed in May 1991 Storm Data.

Claiborne Parish 27 2200CST-
 30 2400CST 0 0 5 ? **Flood**

As of April 30, 150 homes, mainly near Lake Claiborne, had flood damage. Numerous secondary roads flooded in the parish.

Union Parish 27 2200CST-
 30 2400CST 0 0 6 ? **Flood**

Approximately 1,500 homes experienced flood damage by the end of the month, and 90% of the roads in the parish were flooded.

Morehouse Parish 27 2200CST-
 30 2400CST 0 0 5 6 **Flood**

One hundred and fifty homes flooded in the parish, with 90 percent of the cotton crop (5,000 acres) and rice crop (20,000 acres) destroyed.

West Carroll Parish 27 2200CST-
 30 2400CST 0 0 5 ? **Flood**

Flood damage occurred to 200 homes by April 30.

Lincoln Parish 27 2200CST-
 30 2400CST 0 0 5 ? **Flood**

Numerous roads were flooded and closed. Estimated damage by the end of the month: \$300,000.

Ouachita Parish 27 2200CST-
 30 2400CST 0 0 7 ? **Flood**

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

The Monroe area was very hard hit by flooding from the Ouachita River and its tributaries. Over 600 homes had experienced some flooding by the end of the month with the Ouachita River yet to crest. One hundred and seventy-five residents of a nursing home in Monroe had to be evacuated. Property damage by the end of the month was estimated to be in the \$15 to \$30 million range.

Richland Parish	27	2200CST-							
	30	2400CST			0	0	5	?	Flood
Approximately 300 homes were flooded along with many secondary roadways.									
Jackson Parish	28	1200CST-							
	30	2400CST			0	0	5	?	Flood
Numerous secondary highways were flooded along with a few homes. Damage to roadways estimated near \$60,000.									
Natchitoches Parish	28	1800CST-							
	30	2400CST			0	0	5	5	Flood
Several roads were inundated. Agricultural losses estimated around \$500,000 by end of month.									
Winn Parish	28	1800CST-							
	30	2400CST			0	0	5	?	Flood
Numerous roads and highways were flooded, with many closed.									
Caldwell Parish	28	1800CST-							
	30	2400CST			0	0	5	?	Flood
Newspaper accounts indicated 200 homes were flooded and 400 families evacuated by the end of the month. Numerous roads were flooded and closed.									
Franklin Parish	28	1800CST-							
	30	2400CST			0	0	5	?	Flood
Approximately 100 homes were flooded, along with several roads.									
Rapides Parish Alexandria	28	2300CST-							
	29	0500CST			0	0	5	?	Flash Flood
Several homes and businesses were flooded after heavy rain fell in the city shortly after midnight.									
St. Tammany Parish Mandeville	29	1500CST			0	1	4	0	Thunderstorm Winds
Thunderstorm wind gusts toppled a large pecan tree, which fell onto an automobile crushing its roof, and causing injury to the occupant.									
Vermillion Parish Abbeville	29	0200CST-							
		2000CST			0	0	4	?	Flash Flood
Three to five inches of rain fell in a 2-hour period causing widespread flooding of streets and several homes.									
Terrebonne Parish	28	0600CST-							
	30	2400CST			0	0	4	0	Flood

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

LOUISIANA Cont'd

Heavy rainfall of the past several days, combined with unusually high water levels in the area bayous and drainage canals, caused flooding of areas along U.S. Highway 90 on the northern side of Houma.

Vernon Parish Southwestern Area

28	1200CST-								
30	2400CST				0	0	5	?	Flood

Rising waters along the Sabine River caused the evacuation of approximately 15 residents.

Beauregard Parish Western portion

15	1200CST-								
30	2400CST				0	0	5	?	Flood

Rising waters along the Sabine River flooded approximately 30 homes and camps during the last 2 weeks of the month.

MAINE

MEZ001-002-006-007, Northern and Central Maine

09	1000EST-								
13	2200EST				0	0	?	0	Flood

Above normal temperatures prevailed in New England for the 5 to 6 days preceding this flood event, due to the Bermuda High persisting over the eastern third of our nation. On Tuesday, the 9th, a stationary frontal system extended across New England, from northern Vermont to extreme southwestern Maine, and into the Gulf of Maine. Warm and humid air circulating around the Bermuda High, was lifted by this frontal surface, as it moved into Maine producing widespread precipitation across the state. Increased flows in the St. John River resulted, therefore, the river ice broke up. As this ice moved downstream, it eventually jammed in the Dickey and Allagash areas. Flooding occurred along the St. John River, and many of its tributaries, from Dickey to Old Town. The most affected area was from Dickey to Allagash, where two bridges and five houses were destroyed as well as several mobile homes. A 3-mile-long ice jam on the St. John River broke loose on the 9th, releasing a 30-foot wall of ice. As the ice moved downstream, water and huge chunks of ice overflowed the river banks, knocking down utility poles, crushing cars, taking out bridges, and destroying houses. Huge craters were gouged out of the ground by chunks of ice that were 12 to 15 feet high. Relief workers surveying the area in Allagash described it as "surreal". Large chunks of ice contrasted with huge craters, giving it a "like walking on the moon" appearance. At 1340 EST, on Friday, the river crested to 5 feet above flood stage. Frost bite and exposure were the only reported injuries.

MEZ001-002-003-004-005-006-007-008-009-010-011-012-013-014 Statewide

21	0300EST-								
	2000EST				1	0	?	0	Flood

MEZ001-002-003-004-005-006-007-008-009-010-011-012-013-014 Statewide

21	0300EST-								
	2000EST				0	0	?	0	High Winds

As high pressure remained entrenched over eastern Canada, a low pressure system moved from 150 miles east of the Delmarva Peninsula the morning of the 21st, northwest, to just east of Lake Ontario by the morning of the 22nd. High wind and copious amounts of rain were produced by this pattern. Hardest hit were western and central Maine, but minor flooding and wind took its toll down east as well as in northern Maine.

In Mars Hill, an 18-month-old girl drowned when her family abandoned their car in waist-high water. Businesses were evacuated, houses were damaged, numerous trees were blown down,

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			KILLED	INJURED	PRODUCTION	CASUALS	

MAINE Cont'd

utility poles snapped, and many roads were closed as wind and rain pounded the state. Portland recorded wind gusts to near 50 mph and nearly 4 inches of rainfall. Wind gusts to over 55 knots occurred at Eastport. The John-Dawn, a 50-foot fishing vessel, was overcome by wind and rain as it sank at the Stinson Sea Food Company dock in Rockland. Five plate glass windows were shattered at the A & P Food Store on Main Street in Machias.

MARYLAND and D.C.

Garrett County
Oakland

09 1910EST-2000EST 0 0 4 0 Thunderstorm Winds (G52)

Trees and power lines were reported down in many parts of the county. The EOC communications tower in Oakland was snapped in half and downed. Winds were estimated at 60 mph (52 kts). Trees were also downed across cars, and a tree fell through a house. A vehicle was lifted and dropped near a house, causing \$3,000 damage to the vehicle.

Allegany County
Cumberland

09 1950EST 0 0 5 0 Thunderstorm Winds (G65)

Trees and power lines were downed in many parts of the county. Some poles were downed in Cumberland where winds were estimated at 70-75 mph (65 kts). Widespread power outages occurred with; some 2,500 homes and business buildings losing their roofs.

Washington County
Clear Spring

09 2010EST 0 0 0 0 Thunderstorm Winds (G65)
Hail (0.75)

A cooperative observer reported dime-size hail, and winds estimated to 75 mph (65 kts).

Washington County
Hagerstown
Hancock

09 2020EST 0 0 5 0 Thunderstorm Winds (G52)

Winds estimated up to 60 mph (52 kts) were widespread in the Hagerstown area. Falling trees damaged several houses in the county. The next day, repair work to the roof of a store in Hagerstown, damaged by the storm, caused a fire that destroyed the store and damaged adjacent buildings; damage was estimated at \$1 million dollars. At Hancock, trees and power lines were downed with some roads blocked. Falling trees destroyed at least one car and a boat.

Washington County
Hagerstown
Airport (HGR)
Frederick County
Braddock Heights

09 2045EST 0 0 0 0 Thunderstorm Winds (G71)

09 2125EST 0 0 0 0 Thunderstorm Winds (G55)

A SKYWARN spotter at Braddock Heights reported winds estimated at over 60 mph, (55 kts) which snapped off a 12-inch-diameter tree near its base.

Frederick County
Rocky Ridge

09 2130EST 0 0 4 0 Thunderstorm Winds

Strong winds blew down several large trees including a 70-foot blue spruce.

Carroll County
Taneytown

09 2138EST 0 0 4 0 Thunderstorm Winds

There were public reports of many tree limbs down in Taneytown.

Carroll County
Westminster

09 2141EST 0 0 0 0 Thunderstorm Winds (G53)

A cooperative observer recorded winds of 61 mph (53 kts).

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K	I	P	S	

MARYLAND and D.C. Cont'd

Baltimore County Cockeysville	09	2203EST			0	0	0	0	Thunderstorm Winds (G61)
A Civil Defense director reported many tree limbs downed. Winds were estimated at 60-70 mph (61 kts).									
5 NW Baltimore	24	1230EST			0	0	0	0	Hail (1.00)
Parkville	24	1250EST			0	0	0	0	Hail (0.75)
Baltimore	24	1252EST			0	0	0	0	Hail (1.00)
Brooklyn									
Anne Arundel County Glen Burnie	24	1300EST			0	0	0	0	Hail (0.75)
Harford County Whiteford	24	1310EST			0	0	0	0	Hail (1.75)
Golf ball-size hail was reported from Whiteford, northeast to the Pennsylvania line.									

Queen Annes County Stevensville	24	1350EST			0	0	0	0	Funnel Cloud
Queenstown	24	1420EST			0	0	4	0	Thunderstorm Winds Hail (0.75)
A golf course under construction was damaged by strong thunderstorm winds which uprooted many large trees. A bridge for golf carts was also destroyed and large hail was reported.									

Caroline County Greensboro Ridgely	24	1435EST			0	0	0	0	Hail (1.75)
A Civil Defense director reported golf ball-size hail from the towns of Greensboro and Ridgely.									

MASSACHUSETTS

Hampshire County Easthampton	10	0240EST			0	0	4	0	Lightning
A cold front ended a 3-day, early-season hot spell, with record temperatures in the 80s. Lightning from thunderstorms initiated two fires. One fire destroyed a barn and the other damaged a warehouse.									

MAZ005	11	0800EST- 1700EST			0	0	4	0	High Wind
Winds gusted to 45 mph, which knocked down tree limbs and a few trees, causing scattered brief power outages affecting several thousand customers.									

MAZ002-003-006-008 Coastal Berkshires	21	1130EST- 1600EST			0	0	6	0	High Wind
An intense low pressure system moving north along the mid-Atlantic coast gave the region a "nor'easter". Winds frequently gusted between 40-60 mph across the coastal plain and in the Berkshires. At Boston's Logan Airport winds averaged 34 mph for a time with a gust to 54 mph. Blue Hill Observatory in Milton, just south of Boston, recorded sustained winds of 40 to 50 mph with gusts over 60 mph. Numerous power outages were reported, however, in the Merrimack Valley widespread power outages affected 10,000 to 18,000 electric customers. Some were without power for more than 12 hours. Scattered property damage (houses and automobiles) resulted from falling trees and limbs.									

MAZALL	21	0600EST- 1600EST			0	0	4	0	Heavy rain
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	
MASSACHUSETTS Cont'd									
<p>Heavy rain from a "nor'easter" caused minor urban flooding in many areas and some flooding of basements. Rainfall of 2 to 4 inches was recorded in central and eastern Massachusetts with 1 to 2 inches in the western portion. Boston and Blue Hill Observatory in Milton both set new rainfall records for a 24-hour period in April, with 3.32 inches in Boston and 3.19 inches at Blue Hill. In Grafton, a small bridge was washed out closing several streets.</p>									
MICHIGAN									
Ottawa County Grand Haven		08 2316EST			0	0	4	0	Lightning
<p>Lightning struck three homes in Grand Haven late Monday night. In two of the homes, damage was limited to wiring. In the third home, lightning struck the southern end of the home causing a portion of the wall to blow out. Two windows in the bathroom on the floor above were also blown out. The wiring in that wall also started to burn. Total damage was estimated around \$8,600. No injuries were reported in any of the three homes.</p>									
MIZ069-073-076-083 Upper Peninsula		09 0800EST- 10 1200EST			0	0	0	0	Heavy Snow
<p>The snow began falling over the western Upper Peninsula around 0800 EST, then spread east to the eastern end of the Upper Peninsula by 1400 EST, Tuesday afternoon. Heavy, wet snowfall ended around 0100 EST Wednesday morning over the western end of the Upper Peninsula, however, the heavy, wet snow continued until after sunrise over the eastern half. The snowfall did not end until 0800 EST Wednesday morning there. The heavy snow delayed the annual "Thank God It's Spring" luncheon, in Newberry. It also caused problems for county road crews, because some of the plows had already been taken off the trucks. The heavy snow was accompanied by northern winds of 10 to 20 mph, with gusts to near 40 mph. This, in combination with the heavy wet snow, caused many tree limbs and power lines to fall. One man was killed in Marquette County when a car slid into him. Another man was injured in a weather-related traffic accident. There were several other property damage traffic accidents, but no injuries reported. The following are reported snowfall in inches:</p> <p style="margin-left: 20px;">Kinross in Chippewa County (maximum reported): 14 inches Newberry in Chippewa County: 10 inches Luce County: 10 inches Gwinn in Marquette County: 9 inches Western Mackinac County: 9 inches Eastern Mackinac County: 5 inches Menominee, Dickinson, Delta, Schoolcraft: 6-8 inches Marquette County (7 inch average): 5-9 inches Alger: 6 inches Over the western counties: 3-5 inches</p>									
Arenac County		09 1000EST- 10 0815EST			0	0	3	0	Flash Flood
<p>Heavy thunderstorm rains and melting snow combined to cause flash flooding in many areas of the county. The Pine, Rifle, and Au Gres Rivers had the more serious flooding. Many people had to be evacuated, mostly with minor damage to basements.</p>									
Gladwin County Cedar River		09 1230EST- 2030EST			0	0	0	0	Flash Flood
<p>A combination of snowmelt and heavy thunderstorm rains caused flash flooding. Little significant damage was noted from this event.</p>									
Calhoun County Near E Leroy Marshall		09 1453EST 09 1459EST			0	0	0	0	Hail (1.75) Hail (1.00)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MICHIGAN Cont'd

Marshall	09	1500EST			0	0	0	0	Hail (1.75)
Marshall	09	1515EST- 1520EST			0	0	7	0	Hail (2.75)

Hailstones as large as baseballs pummeled Marshall, causing extensive damage to cars, homes, and businesses. The sheriff remarked, "It looked like we were standing in a driving range." The damage consisted mostly of broken windows and screens, dented cars, and broken neon signs. The large hail blocked storm drains, which in turn, caused street flooding. Total damage in Marshall was estimated to be near \$6 million.

Lenawee County Onsted	09	1517EST			0	0	0	0	Hail (0.75)
Calhoun County Near Praire Lake	09	1520EST			0	0	3	?	Hail (2.75)

Hail, as large as baseballs, caused extensive damage to cars and broke many windows. The most affected area was the Clarence-Sheridan.

Washtenaw County Many Areas	09	1525EST			0	0	0	0	Hail (1.00)
Jackson County Springport	09	1528EST			0	0	6	?	Hail (2.75)

Baseball-size hail dented many cars. Numerous broken windows and ripped screens, and several homes were reported with aluminum siding damaged.

Washtenaw County 1 N Milan	09	1544EST			0	0	0	0	Hail (0.75)
Ingham County 2 E Dansville	09	1545EST			0	0	4	0	Hail (2.00)

Some cars were dented and windows broken by the hail.

Ingham County Bunker Hill	09	1545EST			0	0	4	0	Thunderstorm Winds
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A downburst destroyed a mobile home which was turned on its side and smashed. Several trees in a grove southwest of the dwelling were broken about 2 feet from the ground. Downwind of the dwelling, some tree tops were damaged. All the damage was aligned in the direction of the storm movement, a barn standing just south of the dwelling was not damaged. No funnel was reported.

Washtenaw County Ypsilanti	09	1603EST			0	0	0	0	Hail (0.75)
Livingston County Fowlerville	09	1605EST			0	0	0	0	Hail (0.75)
Wayne County Dearborn	09	1632EST			0	0	0	0	Hail (1.50)

Walnut-size hail was reported at Henry Ford Community College.

Wayne County	09	1640EST- 1900EST			0	0	3	0	Urban Flooding
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Heavy rain from thunderstorms caused underpasses at Interstate 75 and Interstate 696 to become flooded. Several cars became stalled in the deep water. No injuries were reported with only minor damage to the cars.

Wayne County Southwestern	09	1642EST			0	0	0	0	Hail (1.00)
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MICHIGAN Cont'd

Detroit Riverview	09	1642EST	0	0	0	0		Thunderstorm Winds (G52)
Pentwater	09	2030EST	0	0	4	0		Lightning

Lightning struck a gas line in the Pentwater Public School. The lightning struck the 2-inch galvanized steel gas line outside the building, traveled down the line to where it entered the building at the boiler room, causing an explosion half-way down the wall. The custodian, who was in the building, alerted officials, which saved the school building.

MIZ042	10	0000EST-	0	0	0	0		Flooding
	11	1400EST						

Thunderstorms dumped almost 2 inches of rain on the Tittabawassee River Basin on the 9th and early on the 10th. This caused the Tittabawassee River in Midland to rise above flood stage early on the morning of the 10th. The river crested at 25.2 feet, 1.2 feet above flood stage, late on the afternoon of the 10th. By early in the afternoon on the 11th, the river was back below flood stage. Many roads were closed due to the flooding, however, no significant property damage was reported.

MIZ001-004-007-013-015-018-038 Southern Lower	10	0200EST- 1600EST	0	0	5	0		High Wind (G44)
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Strong winds, behind the April 9th storm, began blowing during the early-morning hours of Wednesday and continued blowing at 20 to 40 mph with gusts to 51 mph into the late afternoon hours of Wednesday. Many power lines were blown down. This caused many places to have power outages, so many schools were closed because they could not be heated. Besides wires, many tree limbs were also blown down. Some cars were damaged by the falling tree limbs. A few businesses also reported awnings blowing off. The highest reported wind was 51 mph at the University of Michigan, North Campus weather station in Ann Arbor. This gust was recorded at 0915 EST.

MIZ001-004-007-013-015-018-038 Southern Lower Peninsula	15	0200EST- 1600EST	0	0	5	0		High Winds (G60)
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Strong winds caused considerable damage across southern lower Michigan for the second time this month. A very deep storm tracked northeastward across southwestern lower Michigan during the midmorning hours, reaching northeastern lower Michigan by evening. The strong winds were south of the track of the storm. Many locations reported sustained winds of 25 to 45 mph with frequent gusts to 50 mph and occasional gusts to near 70 mph. Detroit Edison reported 175 wires down in southeastern lower Michigan. This caused about 50,000 customers to lose power. Many trees were blown down and about a dozen cars were reported to have been crushed by falling trees. Several barns were blown down, but no livestock reported hurt. In one case, in Hillsdale County, the family dog was inside the barn when the wind blew it down. The dog escaped unscathed, but not before the family and friends spent most of the afternoon using five chain saws to free the dog. Some damage to the building and homes from trees falling on roofs. In Saline, a falling tree broke the sidewalk, crushed a car, and broke a section of brick wall off a nearby building. Traffic lights were out in many areas due to downed wires. Pontiac Airport reported the highest gust, 69 mph around 1400 EST. Ann Arbor and Detroit Metropolitan Airport reported gusts to 63 mph.

Genessee County Lapeer	15	1152EST	0	0	0	0		Hail (G50)
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Hail covered the ground to a depth of 3 inches.

MIZ041-042 Central Lower Michigan	15	2200EST-	0	0	0	0		Flooding
	17	2100EST						

Two days of heavy rain over central lower Michigan caused both the Tittabawassee River at Midland and the Chippewa River at the Mount Pleasant to both go about a foot above flood

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MICHIGAN Cont'd

stage. The Tittabawassee River went above flood stage of 24 feet by noon on the 16th. It crested at 25.4 feet, 1.4 feet above flood stage, early on the morning of the 17th, then fell below flood stage by 2200 EST on the evening of the 17th. The Chippewa River reached its flood stage of 8 feet by 2200 EST on the 15th. It crested at 9.3 feet, 1.3 feet above flood stage, by early afternoon on the 16th. It had fallen below flood stage by 2100 EST on the 17th. Total rainfall over the area was between 2 and 3 inches. This area had heavy rain on the 9th, and this added to the problem. Like the event earlier this month, many roads were closed, but no significant property damage occurred.

**Kalamazoo County
Kalamazoo**

22	1430EST- 1530EST				0	0	3	0	Urban Flooding Thunderstorm Winds
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A locally strong thunderstorm developed near the city of Kalamazoo during the middle of the afternoon. Strong winds blew down power lines. Very heavy rain, about 2 inches in one hour, fell and caused flooded intersections. This caused several minor car crashes, resulting in a number of minor injuries.

**MIZ008
Southwestern Lower**

22	1500EST-				0	0	0	0	Flooding
26	1800EST								

One inch of rain fell on the 20th forcing the St. Joseph River, at Three Rivers, to rise above its flood stage of 6 feet by the middle of the afternoon on the 22nd. Another inch of rain fell on the 24th. This kept the river just above flood stage until about 1800 EST on the 26th. The river crested at 0.3 foot above flood stage on the 23rd. No significant problems occurred because of this minor flooding.

**Branch County
4 S Coldwater**

23	1725EST- 1726EST	0.5	10	0	0	3	0	Tornado (F0)
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The tornado touched down near the intersection of Central and Smith Road. It traveled eastward for about half a mile. During its brief life, it pushed a mobile home 6 feet from its foundation and twisted a barn roof off. Some farm equipment was moved several yards. The farmer reported to have seen the tornado touch down and move over his barn. Half-inch size hail was also reported in the same area just before the tornado was spotted.

**MIZ041
Central Lower
Michigan**

28	1200EST-				0	0	0	0	Flooding
30	2400EST								

Heavy rain, for the third time this month, fell on the Saginaw River Basin. Rainfalls of 1 to 2 inches occurred from a heavy thunderstorm on the night of the 27th. Several rivers approached flood stage, but only the Chippewa River, at Mt. Pleasant went over its flood stage. The Chippewa River at Mt. Pleasant crested at 1.4 feet above flood stage around midnight on the 29th. The Tittabawassee, Saginaw, and Cass Rivers came close to their respective flood stages, but did not cause any flooding. As in all of the other flood events this month, some roads were closed, but no significant damage occurred.

MINNESOTA

**Houston County
Freeburg**

08	1200CST	3.0	30	0	0	4	0	Tornado (F1)
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A tornado skipped along a 3-mile path from west to east of Freeburg. A chimney was blown off the top of a roof and many large trees were snapped in half killing two head of livestock. Numerous farm buildings were damaged or destroyed.

**MNZ001-002-006-
007-010-011-014**

14	0200CST-				0	0	?	0	Heavy Snow
15	0100CST								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MINNESOTA Cont'd

Northwestern Central

From the early morning hours on the 14th through the early morning of the 15th, an early spring snow storm traveled from eastern Missouri, across eastern Iowa, over southern Wisconsin and into the Great Lakes region. Heavy, wet snow was the result and caused numerous car accidents over the area.

A 40-mile-wide band of snow in excess of 6 inches fell from west of St. Cloud in central Minnesota to near Thief River Falls in northeastern Minnesota. Long Prairie reported 8.50 inches and Waconia accumulated 8 inches.

Steel County 1 W Ellendale

22	1500CST			0	0	?	0	Thunderstorm Winds
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Strong thunderstorm winds blew down a farm building, toppled a few trees, and stripped trim from a house.

Faribault County 1 N Wells

26	1220CST			0	0	?	?	Thunderstorm Winds
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Freeborn County 1 E Alden

26	1235CST			1	0	?	0	Thunderstorm Winds
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Dodge County West Concord

26	1325CST			0	0	?	?	Thunderstorm Winds
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Freeborn County Moscow Township

26	1400CST			0	0	?	?	Thunderstorm Winds
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Olmsted County Byron

26	1400CST			0	0	?	?	Thunderstorm Winds
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A small complex of thunderstorms tracked across southern Minnesota causing scattered wind damage reports. The storm hit near Wells destroying a barn, blowing the roof from a body shop, and downing a number of trees and power lines. As the storm moved east, a wind gust caught the side of an empty tractor-semitrailer near Alden and flipped it over on its side and onto a bridge guard post. The cab on the truck was crushed and the driver was killed. (M31V)

When the storm rolled through West Concord, trees were uprooted, power lines were downed, shingles were stripped from many roofs, and several farm buildings were damaged. Strong winds also downed trees and power lines in Moscow Township. Near Byron, several farm buildings were damaged and a trailer was blow from its cement block foundation.

Pipestone County Pipestone

26	1625CST			0	0	?	0	Thunderstorm Winds
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Thunderstorms winds blew the roof from a metal shed located at the Southwestern Technical College.

Isanti County Cambridge

29	1325CST	1.1	10	0	0	?	?	Tornado (F0)
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A small tornado traveled north across the city of Cambridge, uprooting several trees and causing minor property damage.

Kanabec County 4 E Mora

29	1410CST			0	0	4	0	Thunderstorm Winds
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Strong thunderstorm winds caused extensive damage to a barn. A tractor was blown over on its side and a number of tractor parts were strewn about.

Faribault County Frost

29	1430CST			0	0	?	0	Thunderstorm Winds
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Thunderstorm winds overturned a tractor-semitrailer on Interstate 90.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MINNESOTA Cont'd

Martin County 1 E Imogene	29	1435CST			0	0	?	0	Thunderstorm Winds
Houston County Hokah	29	1449CST			0	0	?	0	Lightning

A lightning strike started a fire which destroyed a pole barn and its contents, including five tractors.

Steele County 1 W Ellendale	29	1500CST			0	0	4	?	Thunderstorm Winds
Blue Earth County Mapleton	29	1500CST			0	0	0	?	Thunderstorm Winds
8 SW Mankato	29	1520CST	0.2	30	0	0	4	?	Tornado (F1)
2 NE Lake Crystal	29	1530CST	0.2	30	0	0	4	?	Tornado (F1)
2 S Mankato	29	1533CST			0	0	0	0	Funnel Cloud
Mankato	29	1537CST			0	0	?	?	Thunderstorm Winds
Le Sueur County Elysian	29	1540CST			0	0	0	0	Funnel Cloud
Blue Earth County 4 NW Madison Lake	29	1540CST			0	0	?	0	Thunderstorm Winds
Nicollet County 1 S Nicollet	29	1543CST			0	0	?	0	Thunderstorm Winds
Le Sueur County Kilkenny	29	1546CST			0	0	?	?	Thunderstorm Winds
2 E Montgomery	29	1549CST			0	0	?	0	Thunderstorm Winds
Montgomery	29	1550CST	0.2	50	0	9	5	?	Tornado (F1)
Scott County Southern Portion	29	1600CST- 1620CST			0	0	?	?	Thunderstorm Winds

A line of thunderstorms developed and moved rapidly across southern sections of the state, causing a variety of wind damage reports and three tornadoes. The storms rolled into Imogene and blew the tin roof from a livestock building several hundred feet to the doorstep of the farm home. Strong winds also destroyed a hog barn just west of Ellendale, downed a number of trees, and stripped trim from a home. Several large trees were blown down near Mapleton from strong winds. A tornado touched down briefly southwest of Mankato and destroyed or damaged several farm buildings. A corn crib, with one person inside, was lifted several feet off the ground and was carried 100 feet. About 20 minutes later, northeast of Lake Crystal, a tornado lifted a large grain bin over an automobile into another before coming to rest alongside a residence. Several trees were uprooted or broken in half and debris was strewn across a highway into the neighboring farm field.

As the storms moved closer to Mankato, a funnel cloud was sighted and shortly thereafter, strong winds were reported to have blown through a mobile home park. One unoccupied mobile home was destroyed, and another was damaged, when it was moved from its foundation. Strong winds destroyed a barn northwest of Madison Lake. The line of thunderstorms moved north, out of Blue Earth County, into Nicollet and Le Sueur Counties. Just south of the community of Nicollet strong winds destroyed a screen porch, moved a shed from its foundation, blew over a corn crib, and leveled numerous large trees. A funnel cloud was reported near Elysian in southern Le Sueur County; one person was injured by flying debris, when strong winds leveled a machine shed, and damaged a home near Kilkenny.

Thunderstorm winds rolled a tractor-semitrailer east of Montgomery shortly before a tornado ravaged another mobile home park in the city. The tornado cut a path through the park, shredding five mobile homes and damaging sixteen others. Nine persons were injured and two required hospital treatment.

The line of thunderstorms gradually weakened as they moved north into southern Scott County; however, not before blowing down several large trees over scattered areas in the county.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MISSISSIPPI

Bolivar County Cleveland	07	1740CST			0	0	2	0	Thunderstorm Winds (G72)
									Several power lines and poles were blown down.
Oktober County Starkville	08	0959CST			0	0	4	0	Thunderstorm Winds
									Five trees were blown down on the western side of Mississippi State University campus. Three cars were damaged and some shingles were blown from buildings.
Lowndes County Columbus Air Force Base (CBM)	08	1309CST			0	0	0	0	Thunderstorm Winds (G64)
De Soto County Hernando	09	0910CST			0	0	2	0	Thunderstorm Winds
									Several trees were blown down.
Benton County Ashland	09	1100CST			0	0	3	0	Thunderstorm Winds
									Several trees and power lines were blown down with one tree falling on a house.
Perry County New Augusta	09	1259CST			0	0	0	0	Hail (0.75)
New Augusta	09	1259CST			0	0	2	0	Thunderstorm Winds
									Several trees were blown down and dime-size hail was reported.
Newton County Hickory	09	1310CST			0	0	0	0	Hail (0.75)
Lauderdale County 15 NE Meridian	09	1335CST			0	0	0	0	Hail (0.75)
Clarke County 6 NW Quitman	09	1420CST			0	0	0	0	Hail (0.75)
Lauderdale County 8 SE Meridian	09	1440CST			0	0	0	0	Hail (0.75)
Montgomery County 5 ENE Winona	09	1515CST			0	0	0	0	Hail (1.00)
Kilmicheal	09	1523CST			0	0	0	0	Hail (1.75)
Wayne County Waynesboro	09	1531CST			0	0	0	0	Hail (0.75)
Winston County 5 SW Louisville	09	1541CST			0	0	0	0	Hail (0.75)
Choctaw County 4 W Sherwood	09	1545CST			0	0	0	0	Hail (1.75)
Webster County 3 W Europa	09	1545CST			0	0	0	0	Hail (0.75)
1 N Tomnolan	09	1545CST			0	0	0	0	Hail (1.75)
Oktober County Bradley	09	1635CST			0	0	0	0	Hail (1.75)
Neshoba County 5 W Philadelphia	09	1643CST			0	0	0	0	Hail (0.75)
Winston County 5 W Louisville	09	1645CST			0	0	0	0	Hail (0.75)
8 SW Louisville	09	1650CST			0	0	0	0	Hail (1.00)
9 SE Louisville	09	1700CST			0	0	0	0	Hail (0.80)
Noxubee County 10 N Macon	09	1701CST			0	0	0	0	Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

MISSISSIPPI Cont'd

Newton County 8 SE Decatur	09	1716CST			0	0	0	0	Hail (0.75)
Lauderdale County 10 NW Meridian	09	1720CST			0	0	0	0	Hail (0.75)
Neshoba County 5 SE Philadelphia	09	1744CST			0	0	0	0	Hail (0.75)
Newton County Newton	09	1820CST			0	0	0	0	Hail (0.75)
Jefferson Davis County 1 N Prentiss	09	1820CST			0	0	0	0	Hail (1.00)
Kemper County 10 SE DeKalb	09	1830CST			0	0	0	0	Hail (0.75)
Jones County 10 W Laurel	09	1839CST			0	0	2	0	Thunderstorm Winds

Numerous trees were blown down.

Jasper County 10 N Bay Springs	09	1855CST			0	0	0	0	Hail (1.75)
Covington County 1 N Hot Coffee	09	1900CST			0	0	0	0	Hail (0.75)
Lauderdale County Meridian WSO, (MEI)	09	1859CST			0	0	0	0	Hail (0.75)
	09	1905CST			0	0	0	0	Hail (0.75)
Jones County 5 N Laurel	09	1925CST			0	0	0	0	Hail (0.75)
Jasper County 5 N Bay Springs	09	1935CST			0	0	0	0	Hail (1.00)
Jones County 5 S Laurel	09	2108CST			0	0	0	0	Hail (0.80)
	09	2130CST			0	0	2	0	Thunderstorm Winds

Numerous trees were blown down.

Wayne County 5 S Waynesboro	09	2145CST			0	0	0	0	Hail (0.75)
Harrison County Lizana	10	0114CST			0	0	0	0	Hail (1.00)
Warren County Vicksburg	12	1450CST			0	0	0	0	Hail (0.75)
	12	1507CST			0	0	3	0	Hail (1.75)

Minor damage occurred to cars and roofs.

Hinds County Byram	12	1600CST			0	0	0	0	Thunderstorm Winds (G52)
Jackson	12	1620CST			0	0	0	0	Thunderstorm Winds

Several large tree limbs were blown down.

Hinds County Jackson	12	1623CST			0	0	0	0	Hail (0.75)
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Hail was reported at the intersection of Terry and McDowell Roads.

Copiah County Bowerton	12	1646CST			0	0	0	0	Thunderstorm Winds
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Several trees were blown down, which blocked Highway 28.

Jefferson Davis County 9 N Prentiss	12	1830CST			0	0	3	0	Hail (1.75)
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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

MISSISSIPPI Cont'd

Minor damage occurred to cars and roofs.

Lowndes County
Forreston 12 2053CST 0 0 2 0 **Thunderstorm Winds**

Several trees were blown down.

Lowndes County
Columbus 12 2110CST 0 0 4 0 **Thunderstorm Winds**

Several large trees were blown down and a few power lines were down from the falling trees. Two homes had major roof damage.

Lowndes County
Columbus 13 1805CST 0 0 2 0 **Thunderstorm Winds**

Several trees were blown down.

Washington County
Greenville 13 1840CST 0 0 3 0 **Thunderstorm Winds**

The roof of a marina was partially blown off. Several trees were down and blocking roads. Winds were estimated at 55 to 60 mph.

Washington County
4 N Arcola 13 1856CST 0 0 0 0 **Thunderstorm Winds**

Several trees were blown down in Wilmont.

Monroe County
Gattman 13 1900CST 0 0 2 0 **Thunderstorm Winds**

Several large trees were down across Highway 278.

Monroe County
Smithville 13 1907CST 0 0 3 0 **Thunderstorm Winds**

Several large trees and power lines were down.

Washington County
5 S Greenville 13 1908CST 0 0 0 0 **Thunderstorm Winds**

Several trees were down.

Bolivar County
Cleveland 13 1918CST 0 0 4 0 **Thunderstorm Winds**

Trees and power lines were down with winds recorded at 53 mph. The roof was blown off a motel and numerous windows blown out of buildings.

Sunflower County
2 NE Shaw 13 1920CST 0 0 4 0 **Thunderstorm Winds**

Two trees fell on a house, resulting in complete destruction.

2 E Shaw 13 1923CST 0 0 3 0 **Thunderstorm Winds**

The roof was blown off a shed and several trees blown down.

Itawamba County
Fulton 13 1930CST 0 0 2 0 **Thunderstorm Winds**

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MISSISSIPPI Cont'd

Bolivar County Cleveland	14	1500CST			0	0	4	0	Flash Flooding
Numerous streets were flooded, and water entered several houses.									
Winston County 9 NE Louisville	14	1605CST			0	0	0	0	Hail (1.00)
Lincoln County 5 NW Brookhaven	14	1645CST			0	0	0	0	Hail (1.75)
Copiah County	14	1710CST			0	0	0	0	Thunderstorm Winds
Several trees were blown down in the southeastern part of the county.									
Simpson County Mendenhall	14	1800CST			0	0	0	0	Thunderstorm Winds
Several trees were blown down.									
Lawrence County New Hebron	14	1815CST			0	0	0	0	Thunderstorm Winds
Eighteen trees were blown down in and around the city.									
Marion County Kokomo	14	1824CST			1	4	4	0	Thunderstorm Winds
Strong thunderstorm winds rolled a mobile home over at least one time and completely destroyed it. Seven people were in the trailer, one injured fatally, and four sustained major injuries. Several other houses received minor damage. One house had part of the roof and a porch cover blown off. (F82M)									
Marion County 4 W Foxworth	14	1830CST			0	0	5	0	Thunderstorm Winds
The roof was totally blown off a brick home. The brick walls of the house were cracked and two outbuildings were blown away.									
Jefferson Davis County Lucas	14	1831CST			0	0	4	0	Thunderstorm Winds
One mobile home was totally destroyed and another pushed off its blocks. Numerous trees were blown down.									
Jefferson Davis County 2 S Prentiss	14	1838CST			0	0	0	0	Thunderstorm Winds
Several trees were blown down.									
Marion County Columbia	14	1845CST			0	0	4	0	Thunderstorm Winds
One house had a patio cover blown off with several others sustaining minor damage.									
Covington County	14	1850CST			0	0	0	0	Thunderstorm Winds
Many trees were blown down across the county, one falling on a home in Collins.									
Marion County Improve	14	1855CST			0	0	4	0	Thunderstorm Winds

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APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

MISSISSIPPI Cont'd

One mobile home was completely destroyed and a double-wide home lost its roof.									
Simpson County Mendenhall	14	1855CST			0	0	0	0	Thunderstorm Winds
Several trees were downed from thunderstorm winds.									
Lamar County Sumrall	14	1908CST			0	0	0	0	Thunderstorm Winds
Numerous trees were down.									
Pearl River County 6 N Crossroads	14	1913CST			0	0	2	0	Thunderstorm Winds
Several trees were blown down.									
Smith County Taylorsville	14	1920CST			0	0	0	0	Thunderstorm Winds
Numerous trees were downed in Taylorsville and just south of the city.									
Forrest County Hattiesburg	14	1940CST			0	0	0	0	Thunderstorm Winds
Numerous trees and power lines were blown down throughout the city.									
Jones County 2 SE Laurel	14	1955CST			0	0	0	0	Hail (1.75)
Jackson County Ocean Springs	14	2000CST			0	0	4	0	Thunderstorm Winds
Three cars were moved around by strong winds causing dents and broken windows.									
Newton County 5 SE Decatur	14	2005CST			0	0	0	0	Hail (0.75)
Jasper County 2 S Bay Springs	14	2010CST			0	0	3	0	Thunderstorm Winds
Strong winds destroyed the porch of a house.									
Wayne County 7 W Waynesboro	14	2030CST			0	0	4	0	Thunderstorm Winds
A tin roof was blown off a house and numerous trees were down blocking roads. A church received minor damage from falling trees.									
Smith County 8 S Polkville	19	0553CST			0	0	0	0	Hail (0.75)
2 E Mize	19	0605CST			0	0	0	0	Hail (1.75)
Coahoma County Clarksdale	19	1130CST	0.5	30	0	0	0	0	Tornado (F0)
Sunflower County 4 SE Drew	19	1130CST	1.0	40	0	0	4	0	Tornado (F1)
This tornado made a direct hit on a house, took the roof off, and then blew down a tree adjacent to the house.									
Leflore County Schlater	19	1215CST			0	0	0	0	Hail (1.00)
Minter City	19	1224CST			0	0	0	0	Hail (1.00)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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MISSISSIPPI Cont'd

Sunflower County
2 NW Doddsville 19 1230CST 2.0 50 0 0 2 0 Tornado (F0)

The tornado touched down near the Sunflower River and moved south along the river. Numerous trees were blown down or damaged.

Sunflower County
Sunflower 19 1245CST 0 0 0 0 Hail (1.00)
2 N Indianola 19 1256CST 0 0 0 0 Hail (1.00)
Walthall County
8 NW Tylertown 19 1310CST 0 0 2 0 Thunderstorm Winds

Several trees were blown down.

Washington County
3 NNW Heads to
7 SE Leland 19 1313CST-
1350CST 12.0 100 0 0 4 0 Tornado (F1)

Numerous trees were blown down or uprooted along the path of the tornados. Several houses sustained minor damage.

LeFlore County
5 SE Greenwood 19 1323CST 0 0 0 0 Hail (0.75)
Pearl River County
6 N Crossroads 19 1344CST 0 0 0 0 Hail (1.25)
Marion County
2 SE Shady Hook 19 1352CST 0 0 0 0 Hail (1.75)
Hancock County
Fenton 19 1415CST 0 0 0 0 Hail (0.75)
Fenton 19 1415CST 0 0 0 0 Thunderstorm Winds (G52)
Humphreys County
Belzoni 19 1432CST 0 0 0 0 Hail (1.25)
Belzoni 19 1455CST 0 0 0 0 Hail (1.75)
Thunderstorm Winds (G52)
Hinds County
19 1500CST-
1550CST 0 0 8 0 Hail (3.00)

Hail, up to a maximum of 3 inches, fell over Hinds County and the city of Jackson. Estimates of damage were placed at \$54 million. Most of the damage occurred to automobiles, and roofs of houses and buildings. Some windows were also broken.

Hinds County
Jackson 19 1500CST 0 0 0 0 Hail (1.75)
Jackson 19 1510CST 0 0 0 0 Hail (0.75)
Jackson 19 1512CST 0 0 0 0 Hail (2.75)
Jackson 19 1515CST 0 0 0 0 Hail (1.75)
Rankin County
Pearl 19 1517CST 0 0 0 0 Hail (0.75)
Hinds County
Terry 19 1520CST 0 0 0 0 Hail (1.75)
Yazoo County
Yazoo City 19 1525CST 0 0 5 0 Hail (1.75)

Dime- to golf ball-size hail was reported 2 miles east of Highway 49 in Yazoo City. Numerous cars and roofs damaged.

Hinds County
Jackson 19 1525CST 0 0 0 0 Hail (1.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MISSISSIPPI Cont'd

		Golf ball-size hail covered Highway 80 at Metrocenter.							
Jackson	19	1528CST			0	0	0	0	Hail (1.25)
		Quarter-size hail was reported on Raymond Road.							
Rankin County Richland	19	1530CST			0	0	5	0	Hail (1.75)
		Numerous cars were damaged.							
Hinds County Jackson	19	1530CST			0	0	0	0	Hail (0.80)
	19	1530CST			0	0	0	0	Hail (1.25)
Copiah County Hazelhurst	19	1535CST			0	0	2	0	Thunderstorm Winds
		Several large trees were blown down.							
Hinds County Jackson	19	1538CST			0	0	0	0	Hail (1.75)
		Golf ball-size hail fell at Women's Hospital.							
Jackson	19	1540CST			0	0	0	0	Hail (3.00)
		Three-inch-size hail fell on Meadowbrook Drive.							
Jackson	19	1540CST			0	0	0	0	Hail (1.25)
		Half-dollar-size hail produced damage to cars in the area of North State and Meadowbrook Drive.							
Jackson	19	1540CST			0	0	3	0	Thunderstorm Winds
		The roof of a gas station was damaged near Siwell and Raymond Roads.							
Lincoln County 4 W Brookhaven	19	1550CST			0	0	0	0	Hail (1.75)
Hinds County Jackson	19	1550CST			0	0	0	0	Hail (2.75)
		Golf ball- to baseball-size hail fell at Council Circle near North State Street and Meadowbrook Mart. Windows in cars and several homes were damaged. Tree limbs were down in the area.							
	19	1550CST			0	0	0	0	Hail (1.75)
		Golf ball-size hail fell at Old Canton Road and Northside Drive.							
Madison County Madison	19	1624CST			0	0	0	0	Hail (1.00)
Lincoln County West Lincoln	19	1715CST			0	0	0	0	Hail (0.75)
Claiborne County 10 W Port Gibson	19	1725CST			0	0	0	0	Hail (1.75)
Newton County Newton	19	1750CST			0	0	2	0	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MISSISSIPPI Cont'd

Several trees were blown down.

Washington County Greenville	27	2030CST			0	0	0	0	Hail (1.75)
Sunflower County Indianola	27	2115CST			0	0	0	0	Hail (1.75)
Leflore County	27	2115CST			0	0	5	0	Thunderstorm Winds

Numerous trees were blown down throughout the county. At least 75 homes were damaged in Greenwood and seven in Itta Bena.

Carroll County 4 NW Centerville	27	2136CST			0	0	4	0	Thunderstorm Winds
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Nine airplanes were damaged at the Greenwood-Leflore Airport.

Humphreys County Belzoni	27	2235CST			0	0	4	0	Thunderstorm Winds
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Seventeen utility poles were downed by thunderstorm winds.

Montgomery County 5 N Winona	27	2240CST			0	0	2	0	Thunderstorm Winds
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Several trees and power lines were blown down.

Grenada County Grenada	27	2245CST			0	0	2	0	Thunderstorm Winds
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Several large trees were downed throughout the city due to winds.

Montgomery County Duckhill	27	2300CST			0	0	2	0	Thunderstorm Winds
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Many trees and power lines were downed.

Winston County	27	2320CST			0	0	4	0	Thunderstorm Winds
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Numerous trees were blown down throughout the county. Several power poles and lines were downed in Louisville, and the roof of an apartment building was damaged.

Lee and Monroe Counties	28-30				0	0	4	0	Flooding
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Town Creek reached a stage of 23.2 feet, with flood stage of 21 feet. A few homes received minor water damage.

Adams County 4 E Natchez	28	0235CST			0	0	0	0	Hail (0.75)
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Bolivar County Shelby	28	0315CST			0	0	0	0	Flash Flooding
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Flooding of many urban streets was reported.

Union County 2 E Graham	28	0330CST			0	0	1	0	Thunderstorm Winds
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MISSISSIPPI Cont'd

Several trees were blown down.

Chickasaw County
Utica 28 0730CST 0 0 3 0 **Thunderstorm Winds**

Several large trees and power poles were blown down.

Montgomery County
Duck Hill 28 0642CST 0 0 4 0 **Thunderstorm Winds**

At least four utility poles were snapped off when trees fell across the power lines.

Monroe County
2 SW Molden 28 0750CST 0 0 3 0 **Thunderstorm Winds**

Numerous trees were blown down.

Winston County
Noxapater 28 0753CST 0 0 0 0 **Hail (0.80)**
Monroe County
1 N Smithville 28 0800CST 0 0 2 0 **Thunderstorm Winds**

Several trees were downed by thunderstorm winds.

Neshoba County
2 N Philadelphia 28 0800CST 0 0 2 0 **Thunderstorm Winds**

Several trees were blown down.

Monroe County 28 0815CST 0 0 2 0 **Thunderstorm Winds**

Highway 25, 4 miles south of Amore, was blocked due to downed trees. A large tree was blown down on Jefferson Street in Aberdeen and several trees were blown down on East Bank Cutoff Road just outside of town.

Lowndes County 28 0830CST 0 0 2 0 **Thunderstorm Winds**

One large tree and three power poles were blown down in the southwestern part of the county.

Neshoba County
2 E Philadelphia 28 0910CST 0 0 0 0 **Hail (0.75)**
Lauderdale County
Collinsville 28 0940CST 0 0 2 0 **Thunderstorm Winds**

Several trees were blown down.

12 NE Meridian 28 0945CST 0 0 0 0 **Thunderstorm Winds (G68)**

Meridian Naval Air Station recorded a wind gust of 78 mph.

Kemper County 28 0945CST 0 0 2 0 **Thunderstorm Winds**

Numerous trees were blown down throughout the county.

Hinds County
Jackson 28 1100CST 0 0 0 0 **Flash Flooding**

Extensive flooding occurred around the city of Jackson. Some of the streets had several feet of water over them.

Chickasaw County
Okolona 28 1145CST 0 0 0 0 **Hail (0.75)**
1145CST 0 0 2 0 **Thunderstorm Winds**

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			KILLED	INJURED	PROPERTIES	ROADS	

MISSISSIPPI Cont'd

A few large trees were blown down.

Leake County Lena	28	1201CST			0	0	0	0	Hail (0.75)
Lauderdale County Collinsville	28	1210CST			0	0	2	0	Thunderstorm Winds

Several trees were blown down.

Leake County 5 NE Walnut Grove	28	1213CST			0	0	0	0	Hail (0.75)
Lauderdale County Lauderdale	28	1225CST			0	0	0	0	Hail (0.80)
Neshoba County Philadelphia	28	1234CST			0	0	0	0	Hail (0.75)
Yazoo County Yazoo City	28	1325CST			0	0	2	0	Thunderstorm Winds

Several trees were blown down.

Lauderdale County 15 NNW Meridian	28	1325CST			0	0	0	0	Hail (0.80)
Warren County 2 E Vicksburg	28	1638CST			0	0	3	0	Thunderstorm Winds

Numerous trees were blown down.

Washington County Greenville	28	1655CST			0	0	4	0	Thunderstorm Winds
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High wind blew the roof off a restaurant.

Bolivar County Cleveland	28	1655CST			0	0	4	0	Thunderstorm Winds
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Several trees were blown down, and two houses were damaged due to falling trees.

Sunflower County	28	1715CST			0	0	5	0	Thunderstorm Winds
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Strong winds caused extensive roof damage from the town of Sunflower to Inverness. Three cars were demolished at one residence and many trees and power lines were blown down across roads.

Washington, Sunflower, and Bolivar Counties	28	1800CST							
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Many roads and streets were flooded in the three-county region. Several homes received water damage, and many of the county schools had to be closed due to impassable roads.

Warren County Vicksburg	28	2300CST			0	0	4	0	Thunderstorm Winds
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Several power poles and lines were blown down.

4 E Vicksburg	29	0130CST			0	0	2	0	Thunderstorm Winds
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Several trees were blown down along Highway 80.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MISSISSIPPI Cont'd

Bolivar County Cleveland	29	1809CST			0	0	0	0	Flash Flooding
Ten to 15 streets were blocked due to flooding.									
Jackson County Ocean Springs	29	1330CST			0	0	2	0	Thunderstorm Winds
Several trees were blown down.									
MSZALL	Month				0	0	6	7	Flooding

The month of April 1991 was one of the wettest months of all time across Mississippi, particularly the west-central and northwestern sections of the state. As much as 23 inches of rain fell in the northwest, with the dry area in the state being in the southeast where 6.5 inches fell. Numerous stations across the state set monthly rainfall records. The heavy rainfall across the state in April caused flooding in all river basins. Major flooding occurred in the Mississippi Delta from high water in the Yazoo, Big Sunflower, Tallahatchie, and Coldwater Rivers and caused widespread flooding, not only to agricultural lands but to hundreds of residents and businesses in the upper and lower Delta. Almost 2 million acres of agricultural and farmland were flooded. Damage estimates were in the millions of dollars, but the full impact to agriculture will not be known for some time.

MISSOURI

Greene County Springfield	08	2227CST			0	0	0	0	Hail (0.75)
There were numerous reports of hail to 0.75-inch diameter.									
Webster County Diggins	08	2310CST			0	0	0	0	Hail (1.75)
Dallas County Buffalo	08	2316CST			0	0	0	0	Hail (1.00)
Wright County	08	2340CST			0	0	0	0	Hail (1.00)
The central part of the county reported 1-inch size hail.									
Howell County Mountain View	09	0006CST			0	0	0	0	Hail (1.75)
Golf ball-size hail was reported.									
Texas County 3 W Houston	09	0022CST			0	0	0	0	Hail (0.75)
Hail to 0.75-inch diameter covered the ground.									
Shannon County Alley Spring Eminence	09	0035CST			0	0	0	0	Hail (1.00)
Hail to 1-inch diameter occurred in Alley Spring. Large hail covered the ground at Eminence.									
Reynolds County 2 N Ellington	09	0105CST			0	0	2	3	Hail (1.75)
Golf ball-size hail covered the ground, producing damage to trees and crops.									
Wayne County Piedmont	09	0140CST			0	0	0	0	Hail (0.75)
Cape Girardeau County	09	0230CST			0	0	0	0	Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MISSOURI Cont'd

Hail to 0.75-inch diameter fell in the western part of the county.

Cape Girardeau County

Cape Girardeau	09	0330CST			0	0	0	0	Hail (0.75)
Jackson County	17	1716CST			0	0	0	0	Hail (0.75)

Hail to 0.75-inch diameter was reported in Lake Jacomo.

Cass County

Raymore	17	1722CST			0	0	0	0	Hail (0.75)
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Lawrence County

Pierce City	18	1600CST			0	0	0	0	Hail (1.00)
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Vernon County

Dederick	18	1740CST			0	0	0	0	Hail (0.75)
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Howell County

Willow Springs	26	1840CST			0	0	0	0	Hail (0.75)
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N Willow Springs

N Willow Springs	26	1912CST			0	0	0	0	Hail (1.50)
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Andrew County

Helena	26	2215CST	1.8	50	0	0	4	0	Tornado (F1)
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A tornado touched down intermittently and downed power lines and trees.

Vernon County

Moundville	26	2220CST			0	0	0	0	Hail (0.75)
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Newton County

Seneca	26	2220CST			0	0	0	0	Hail (0.75)
I-44 at Hwy 43	26	2239CST	0.25	50	0	0	0	0	Tornado (F0)

A possible tornado was reported in this vicinity.

Jasper County

Joplin	26	2255CST			0	0	0	0	Hail (1.00)
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Hail to 1-inch diameter just southwest of Joplin. The southwestern area of Joplin reported 1-inch-diameter hail.

Andrew County

Cosby	26	2257CST	1.5	50	0	0	3	0	Tornado (F1)
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A tornado touched down intermittently along a 1- to 2-mile path. Trees and power lines were downed.

Newton County

Seneca	26	2300CST			0	0	0	0	Hail (1.75)
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Jasper County

West Joplin	26	2305CST	short	15	0	0	0	0	Tornado (F0)
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A tornado touched down briefly just west of Joplin.

Jasper County

Sarcoxic	26	2327CST			0	0	0	0	hail (0.75)
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Greene County

2 SW Ash Grove	27	0005CST			0	0	4	0	Hail (2.75)
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Baseball-size hail was reported at Ash Grove.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MISSOURI Cont'd

Thunderstorm winds to 60 mph blew down a barn and shed.

Clinton County Cameron	28	1800CST				0	0	0	0	Hail (0.75)
Vernon County Nevada	28	1803CST				0	4	0	0	Thunderstorm Winds

Thunderstorm winds produced numerous power outages.

Cedar County Stockton Dam	28	1805CST				0	0	4	0	Thunderstorm Winds
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Thunderstorm winds uprooted trees and damaged a building.

Clinton County Cameron	28	1812CST				0	0	0	0	Hail (0.75)
Vernon County	28	1823CST				0	0	4	0	Thunderstorm Winds

Property damage occurred across the county due to thunderstorm winds.

Caldwell County 2 S Polo	28	1825CST	0.25	50		0	0	0	0	Tornado (F0)
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A tornado touched down briefly. No damage was reported.

Vernon County Nevada	28	1954CST				0	0	5	0	Thunderstorm Winds
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Thunderstorm winds produced numerous power outages and took the roof off a building. A garage was also damaged.

MONTANA

MTZ003-007 MTL 003-007	04	0540MST- 1900MST				0	0	0	0	High Winds (G63)
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Cut Bank reported record gusts to 72 mph.

Lincoln County	05 06	2000MST- 2300MST				0	0	0	0	Flood
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Heavy rains and snowmelt caused the Yaak River to flood.

MTZ006	7 8	2300MST- 0800MST				0	0	0	0	Heavy Snow
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Ten inches of heavy, wet snow fell at Ryegate and Harlowton.

MTZ 003-005-007	11	0400MST- 1400MST				0	0	5	0	Winter Storm
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Heavy, wet snow fell across much of central Montana. Many power poles were knocked down near Fairfield, resulting in a loss of power. Six to 18 inches of snow was common. Reported snow depths include: Neihart 18 inches, Shonkin 14 inches, Tiger Butte and Red Lodge 12 inches.

MTZ004	11 12	0400MST- 1300MST				0	0	0	0	Winter Storm
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A total of 9 inches of snow fell at Bozeman.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

MONTANA Cont'd

MTZ 007-008	11 14	2200MST- 0800MST			0	0	5	0	Winter Storm
Twelve to more than eighteen inches of snow fell. Highways were closed and power was knocked out in several areas. Red Lodge received a total of 60 inches of snow; Billings 12 inches; and Miles City 10 inches.									
MTZ 004-007	16	0300MST- 0700MST			0	0	0	0	Heavy Snow
Six to ten inches of snow fell in the mountains. Rimini reported 9 inches of new snow.									
MTZ003	17	0200MST			0	0	0	0	Heavy Snow
Ten to fifteen inches of snow fell along the front range of the Rockies. Gibson Dam reported 12 inches and Swift Dam, 10 inches.									
MTZ 003-005-006	27 28	1600MST- 1400MST			0	0	5	0	Winter Storm
From 3 to 5 feet of snow fell in the central mountains and roads were closed around Lewistown, Harlowton, and Neihart.									

NEBRASKA

Lancaster County Lincoln	08	0730CST- 0743CST			0	0	0	0	Hail (1.75)
Lincoln	08	0825CST			0	0	4	0	Lightning
A thunderstorm dropped hail up to golf ball-size. Lightning strikes knocked out power over a large area of Lincoln and destroyed several trees.									
Douglas County 12 SE to 9 NW Omaha	08	0745CST			0	0	?	1	Hail (1.75)
Hail to 1.75 inch-size was reported in West Omaha, at 140th and Dodge, 145th and Q, and 120th and Maple.									
Seward County Pleasant Dale	08	0830CST			0	0	5	0	Lightning
Lightning struck a house, causing \$60,000 in damage.									
NEZ007-012-0160 Southwestern and Central Areas Lincoln County North Platte	10 11	0835CST- 0600CST			0	0	5	?	High Winds
	11	0102CST			0	0	2	0	Thunderstorm Winds (G60)
A low pressure system over northwestern Kansas caused wind gusts 50 to 69 mph. Damage around North Platte included: a satellite dish bent in half, a storage trailer blown over, numerous roofs damaged, traffic lights downed, windows blown out, and numerous trees blown over. A roof was blown off a trailer 1 mile south of Hershey in Lincoln County. Fences, small grain bins, and power lines were blown over, and windows were broken around Ogallala. Several barns were completely leveled in northeastern Lincoln, Logan, and western Custer Counties. A hangar was destroyed west of Stapleton in Logan County and the airplane inside was tossed into nearby trees.									
NEZ016	10	1700CST-							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NEBRASKA Cont'd

Southwestern Area	11	0100CST			0	0	4	2	Lightning
Lightning started grass fires ranging in size from 20 to 400 acres and struck a house in McCook, causing an estimated \$25,000 damage.									
Buffalo County 2 NW Kearney	11	1603CST			0	0	3	0	Hail (1.00)
Hail up to 1 inch in diameter was reported by the Kearney police department.									
Franklin County 5 SE Franklin	11	1605CST			0	0	3	0	Hail (1.75)
Golf ball-size hail was reported near the Nebraska-Kansas border.									
Cherry County 2 E Wood Lake	11	1630CST			0	0	3	0	Lightning
Lightning struck and shattered a tree. The blast broke most of the windows of a nearby house. The charge traveled through wires, burned a hole in the living room wall, and damaged appliances.									
Adams County Holstein 4 W Juniata	11	1645CST- 1648CST			0	0	3	0	Hail (1.75)
Golf ball-size hail caused damage to several vehicles.									
Franklin County 5 S Franklin	11	1652CST			0	0	3	0	Hail (1.75)
Golf ball-size hail was reported near the Nebraska-Kansas border.									
2 E Franklin	11	1700CST- 1708CST			0	0	4	0	Hail (2.00)
Golf ball- to tennis ball-size hail caused extensive damage to vehicles and buildings. Two police cars had their windshields shattered.									
York County York	11	1730CST			0	0	2	0	Thunderstorm Winds (G52)
Thunderstorm winds gusting to 60 mph caused tree damage.									
Webster, Nuckolls, and Clay Counties 5 N Guide Rock to Fairfield	11	1825CST- 1850CST	21	75	0	0	5	0	Tornado (F2)
A tornado touched down north of Guide Rock in Webster County. It moved northeast, entering Nuckolls County 5 miles southwest of Lawrence. After passing just south of Lawrence, it entered Clay County 5 miles southwest of Fairfield. The tornado stayed on the ground until it reached Fairfield before lifting. In Webster County, the tornado damaged 10 farms. In Nuckolls County, it destroyed several outbuildings and one farmstead and damaged 10 farms from 2.5 to 4 miles south of Lawrence. In Clay County, it caused \$225,000 damage to outbuildings.									
Adams County 8 S Holstein	11	1835CST			0	0	4	0	Hail (2.75)
Baseball-size hail caused significant damage to vehicles and a few farmhouses.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NEBRASKA Cont'd

Clay County 2 W Fairfield	11	1900CST			0	0	4	0	Lightning
									A fire caused by a lightning strike resulted in extensive damage to a house.
Hall County 3 S Grand Island	11	1910CST			0	0	0	0	Hail (1.75)
									Golf ball-size hail caused damage to vehicles.
3 S Grand Island	11	1920CST			0	0	0	0	Funnel Cloud
									A funnel cloud was observed by a storm spotter.
Kearney County 9 S Minden	11	1925CST			0	0	3	0	Hail (1.00)
									Hail up to 1 inch in diameter caused structural and vehicle damage.
Nuckolls County 7 N Superior	11	1935CST	1.0	50	0	0	4	0	Tornado (F0)
									A tornado briefly touched down causing damage to outbuildings. It lifted after traveling 1 mile to the northeast.
Webster County 5 SE Blue Hill	11	2007CST			0	0	2	0	Hail (0.75)
Clay County 2 S Edgar	11	2007CST			0	0	3	0	Hail (0.75)
									Three-quarter-inch hail resulted in vehicle damage, including a few broken car windows.
12 SE Clay Center	11	2015CST			0	0	3	0	Hail (0.75)
									Three-quarter-inch hail covered the ground and broke windows on several vehicles.
Adams County 2 E Hastings	11	2043CST			0	0	3	0	Hail (0.75)
									Three-quarter-inch hail was reported by Hastings Civil Defense officials.
Butler County David City	11	2130CST			0	0	0	0	Thunderstorm Winds
									Thunderstorm winds downed trees in David City, which blocked streets.
Hall County Wood River to Alda to Grand Island	11	2248CST- 2354CST			0	0	4	0	Thunderstorm Winds (G58)
									Strong outflow winds from thunderstorms combined with strong southerly wind flow to cause wind gusts over 60 mph for over an hour, in portions of Hall County. In Wood River, the winds blew the roof off one building and broke numerous tree limbs. In Alda, a few roofs were blown off and several signs were blown away. In Grand Island, the winds downed several trees and numerous limbs, broke railroad crossarms, damaged traffic lights, downed power lines, blew over signs, and blew out windows. At the Central Nebraska Regional Airport near Grand Island ten buildings and hangars were damaged. The damage was to doors, metal siding, and roofs.
Merrick County 3 E Worms	11	2315CST			0	0	3	0	Thunderstorm Winds (G52)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NEBRASKA Cont'd

Strong outflow winds from thunderstorms blew a tree onto a house.

Holt County Emmet	12 0100CST			0	0	?	?	Hail (0.75)
Madison County Norfolk	12 0130CST			0	0	?	?	Thunderstorm Winds (G50)

Thunderstorm winds blew the top off a large cottonwood tree.

Dodge County 3 E North Bend	12 0200CST			0	0	4	0	Lightning
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Lightning caused a fire which destroyed the upper level of a barn, along with some hay and equipment.

Adams County Hastings	12 1508CST			0	0	0	0	Funnel Clouds
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Three funnel clouds were reported in the Hastings vicinity by Civil Defense officials.

Hall County 2 S Doniphan	12 1550CST			0	0	3	0	Hail (1.75)
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Golf ball-size hail damaged vehicles and trees.

Hamilton County 8 W Giltner	12 1556CST			0	0	0	0	Funnel Cloud
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A funnel cloud was sighted by a storm spotter.

Hall County 2 SE Doniphan	12 1610CST			0	0	2	0	Thunderstorm Winds (G52)
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Thunderstorm winds gusting to 60 mph downed power lines.

4 SE Doniphan	12 1611CST			0	0	0	0	Funnel Cloud
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A funnel cloud was sighted by a storm spotter.

Clay County 2 S Glenville	12 1622CST	0.5	25	0	0	0	0	Tornado (F0)
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A tornado briefly touched down in an open field with no apparent damage.

Hall County Grand Island	12 1635CST			0	0	0	0	Funnel Cloud
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Civil Defense officials reported a funnel cloud in the eastern part of Grand Island.

Clay County Harvard	12 1643CST			0	0	3	0	Hail (1.75)
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Golf ball-size hail caused vehicle damage.

Polk County Polk to 2 NE Polk	12 1810CST			0	0	3	0	Hail (1.75)
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Golf ball-size hail damaged several vehicles.

Platte County

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NEBRASKA Cont'd

1 W Columbus	12	1900CST			0	0	4	0	Hail (1.75)
A thunderstorm produced golf ball-size hail west of Columbus.									
Colfax County Clarkson	12	2150CST			0	0	4	0	Lightning
Four houses were damaged as lightning traveled along wires.									
Fillmore County Exeter	26	1420CST			0	0	4	0	Hail (2.00)
Two-inch-size hail caused extensive damage to several vehicles and a few buildings.									
Seward County	26	1427CST			0	0	?	?	Hail (2.00)
Loup County 5 NW Taylor	26	1438CST			0	0	0	0	Hail (2.00)
Fillmore County Ohioa to 1 NE Ohioa	26	1440CST- 1445CST	1	50	0	0	4	0	Tornado (F1)
A tornado touched down on the southeastern edge of Ohioa and moved northeast 1 mile before lifting. It flipped over four grain trailers and a grain truck, destroyed a satellite dish and a barn door, and caused extensive tree damage. One mile northeast of Ohioa, the tornado destroyed a vacant barn before lifting.									
Gage County 5 SW Odell to 2 SE Beatrice 2 S to 3 NE Adams	26	1500CST- 1540CST	19	200	0	0	6	1	Tornado (F3)
	26	1600CST- 1615CST	4	150	0	0	5	1	Tornado (F2)
A tornado moved into Gage County from Washington County, Kansas. It moved northeastward and lifted near the Big Blue River, southeast of Beatrice. It did considerable damage to farms and outbuildings west and north of Odell and destroyed several houses south of Beatrice. Another tornado touched down south of Adams and traveled northeast, before lifting into the clouds. Up to 25 farmsteads were hit by the tornadoes, with 100 buildings and 30 pieces of large farm equipment damaged. Total damage was estimated at \$1.2 million.									
Holt County Atkinson	26	1544CST			0	0	?	0	Hail (1.00)
10 NE to 15 NE Atkinson	26	1545CST- 1555CST			0	0	5	0	Thunderstorm Winds
Boyd County Butte	26	1615CST			0	0	?	0	Hail (1.75)
A fast-moving thunderstorm moved northeast across Loup, Holt, and Boyd Counties, producing large hail and strong downburst winds along its path. Northeast of Atkinson, a mobile home and barn were destroyed and a hog facility was damaged. At least 25 center-pivot irrigation systems were damaged or destroyed in the county. Sixty migrating pelicans were driven by the wind into trees and the ground and killed. Some of the birds had holes in their bills from the hail.									
Jefferson County Fairbury	26	1610CST			0	0	0	0	Hail (1.25)
Otoe County 2 NW Douglas to 7 NE Palmyra	26	1615CST- 1640CST	14	350	0	2	6	3	Tornado (F3)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NEBRASKA Cont'd

A tornado touched down just northwest of Douglas, where it destroyed three farmsteads. It moved northeastward, demolishing another farm and causing significant damage to three others east of Palmyra. It lifted near the Otoe-Cass County line. A total of 13 houses were damaged by the storm. Two people received minor scalp lacerations when they took refuge in their basement as the tornado tore apart their home.

Lancaster County

Panama	26	1618CST			0	0	0	0	Hail (1.75)
Roca	26	1640CST			0	0	0	0	Hail (1.75)
Hallam	26	1648CST			0	0	0	0	Hail (1.50)

Phelps County

2 S Loomis	26	1620CST			0	0	3	0	Hail (1.75)
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Golf ball-size hail was reported by a storm spotter.

Gage County

2 S Beatrice	26	1659CST			0	0	0	0	Hail (1.75)
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Dodge County

6 NE North Bend	26	1700CST			0	0	4	1	Thunderstorm Winds
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A blast of wind tore a 100-foot section of roof off a barn, which landed 70 feet from it. One pig in the barn died from a heart attack. Damage was \$14,000.

Pierce County

6 SSW Plainview	26	1715CST	0.1	20	0	0	0	0	Tornado (F0)
Osmond	26	1740CST			0	0	2	0	Thunderstorm Winds (G52)

Numerous funnel clouds were reported in Pierce, Knox, and Cedar Counties. One tornado briefly touched down in an open field south of Plainview. Winds to 60 mph blew tree limbs down at Osmond.

Douglas County

9 SW to 9 NW Omaha	26	1715CST- 1805CST			0	0	7	1	Hail (3.00)
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One- to 3-inch hail fell over much of western Omaha, from 108th and Harrison to north 108th and 90th Streets to the National Weather Service Office near 72nd and McKinley. The hail broke windows and damaged cars, doors, skylights, decks, and lawn ornaments. Damage was estimated between \$20 to \$30 million.

Lancaster County

11 SE Lincoln	26	1800CST			0	0	0	0	Hail (0.75)
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Nuckolls County

5 SW Edgar	28	1815CST			0	0	3	0	Lightning
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Lightning struck a corn crib, starting a fire that caused minor damage.

Hall County

Grand Island	28	1818CST			0	0	0	0	Funnel Cloud
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A funnel cloud was reported by storm spotters in the southwestern part of Grand Island.

2 SE to 2 NE Grand Island

2 SE to 2 NE Grand Island	28	1826CST			0	0	3	0	Thunderstorm Winds (G53)
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Thunderstorm winds gusting to 61 mph blew the roof off a building and caused some tree damage.

Thayer County

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NEBRASKA Cont'd

4 W Bruning	28	1835CST			0	0	0	0	Funnel Cloud
									Fire department officials reported a funnel cloud.
1 W Hebron	28	1845CST			0	0	0	0	Funnel Cloud
									Fire department officials reported a funnel cloud.
Douglas County 1 NW Omaha	29	1130CST			0	0	?	0	Hail (1.50)
									Hail 1.00 to 1.50 inches in diameter fell near Creighton University.
3 S Omaha	29	1215CST	0.1	33	0	0	3	0	Tornado (F0)
									A small tornado moved through the parking lot of the Burlington Northern Railroad yard. It tossed a pickup truck into the air and broke windows and chipped paint on several other vehicles. A 10,000-pound container that was locked onto another container was lifted and moved 25 feet onto a railroad track.

NEVADA

NVZ003 Extreme Western Nevada	06	0630PST			0	0	0	0	High Winds
									High winds developed on the lee of the Sierra Nevada in extreme western Nevada. Winds gusted to near 60 mph in Stead, Nevada.
NV002 Central Sierra Eastern Slopes	06	1225PST			0	0	0	0	High Winds
									High winds developed on the east slopes of the Sierra. Winds gusted to 70 mph at the Mammoth Mountain Airport.
NV002 Central Sierra Eastern Slopes	15	1030PST			0	0	0	0	High Winds
									High winds along the eastern slopes of the Sierra produced wind gusts to near 60 mph at the Mammoth Mountain Airport.

NEW HAMPSHIRE

NHZ001-002-003-004-005-006-007 Statewide	20	0400EST			0	0	?	0	Flood
	21	0600EST			0	0	?	0	High Winds
									As high pressure remained entrenched over eastern Canada, a low pressure system moved from 150 miles east of the Delmarva Peninsula the morning of the 21st, northwest to just east of Lake Ontario by the morning of the 22nd. High wind and copious amounts of rain were produced by this pattern. Pease Air Force Base, Portsmouth, recorded winds up to 61 mph. Red Hill, and Moultonboro with elevation 2,000 feet above sea level, recorded winds up to 104 mph.
									Numerous trees were downed, and thousands of people were left without power for hours. Mobile Homes, houses, and cars were damaged by falling trees, and roads were closed as high winds and rain pelted the area. A few spot fires resulted from downed power lines. In Campton, a police officer was trapped inside his cruiser as power lines snapped all around him. A glider was overturned at Skyhaven Airport in Rochester.
									Statewide, some 35,000 residents had power interruptions. Part of the roof blew off of the Balsams Hotel in Colebrook. Electric company officials compared the tree damage associated with this storm as just as bad, or worse, than that associated with Hurricane Gloria in 1985.
									This year, New Hampshire residents celebrated Earth Day, April 22nd, by cleaning up after the mess which the forces of nature created just one day before.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NEW JERSEY, Northern

Hunterdon County
Whitehouse Station 24 1549EST 0 0 0 0 Hail (0.88)

A cold front moving across New Jersey generated a very strong thunderstorm over eastern Hunterdon County. A spotter in Whitehouse Station reported nickel-size hail along with a wind gust to 56 mph (49 knots).

NEW JERSEY, Southern

Cape May County
Cape May Point 24 1550EST 0 0 ? 0 Thunderstorm Winds (G53)

Thunderstorm wind gusts were estimated at over 60 mph.

NEW MEXICO

Otero County
Tularosa 04 1230MST 0.2 10 0 0 4 0 Funnel Clouds
Tornado (F1)

Three funnel clouds were sighted in Tularosa, one of which touched down onto an old cotton gin tearing off some of the siding. It then hit the roof of an old seedhouse, ripped off the metal roof, and damaged the rafters.

Otero County
Alamogordo 04 1248MST 0 0 0 0 Funnel

A funnel was reported northwest of Alamogordo by KPSA Radio Station in Alamogordo, New Mexico.

Chaves County
20 E Roswell 04 1455MST 0 0 0 0 Funnel

A funnel was observed from the Roswell Airport 20 miles east of the city of Roswell, moving north at 15 to 20 mph.

10 E Roswell 04 1515MST 0 0 0 0 Hail (0.75)

Three-quarter-inch hail was reported by the public at the South Springs cotton gin.

Northern Area of State 10 Afternoon 0 0 0 0 High Wind

Strong winds occurred across the state during the afternoon, with some communities reporting gusts to 50 knots or better. The following communities reported winds meeting high wind criteria; other areas may have had equally as strong winds, but were not reported.

Cibola County, Grants--gusts of 50 knots.
McKinley County, Gallup--gusts to 50 knots.
San Miguel County, Las Vegas--gusts to 56 knots.
Bernalillo County, Albuquerque--gusts to 50 knots.
Union County, Clayton--sustained 38 knots, gusts to 45 knots.

Rio Grande Valley
Southern Area of State 11 Afternoon 0 0 0 0 High Wind

Strong winds occurred again over the state, with the stronger winds mainly over southern New Mexico. The following communities reported high wind criteria, although these were likely not the only areas which reached this level.

Bernalillo County, Albuquerque Airport--gusts to 53 knots.
Lincoln County, Ruidoso Airport--gusts to 50 knots.
Lincoln County, Sierra Blanca--gusts to 54 knots.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NEW YORK, Central Cont'd

and Route 191, and several roads along the Great Chazy River in Altona in Clinton County; several mudslides were reported along dirt roads in Delaware County. Damage was mainly confined to road washouts.

NYZ007-008-018-019-013 21 Afternoon 1 0 5 0 High Winds

Much of Northern, Mohawk and Lower Hudson Valleys

Power lines and tree limbs were downed by the high winds in northern New York, the Mohawk, and lower Hudson Valley regions in New York. In the Columbia County town of Austerlitz, a communications tower was blown down. In northern New York, winds collapsed the steel frame of the Donald Martin Memorial Civic Center in Waddington, and the high winds also suspended navigation along the St. Lawrence Seaway. In addition, torrential rains accompanying the high winds resulted in a fatal auto accident in the Putnam County town of Philipstown. (F59V)

Chenango County McDonough 30 1726EST 0 0 3 0 Thunderstorm Winds

NEW YORK, Coastal

None reported.

NEW YORK, Western

Chautauqua County Forestville	09 1545EST	0.5	5	0	0	4	0	Tornado (F0)
Cattaraugus County Perrysburg	09 1600EST			0	0	4	0	Thunderstorm Winds
Erie County Springville	09 1615EST	0.5	5	0	0	4	0	Tornado (F1)
Wyoming County Bliss	09 1650EST			0	0	3	0	Hail (1.00)
Allegany County Angelica	09 1710EST			0	0	3	0	Hail (0.75)
Livingston County West Sparta	09 1730EST	0.5	30	0	0	5	0	Tornado (F1)
Steuben County Hornell	09 1730EST			0	0	4	0	Thunderstorm Winds
Ontario County Naples	09 1800EST			0	0	3	0	Thunderstorm Winds
Steuben County Bath	09 1815EST			0	0	3	0	Hail (0.75)
Erwins	09 1852EST			0	0	4	0	Thunderstorm Winds
Tompkins County Enfield	09 1910EST			0	0	4	0	Hail (1.75)
Trumansburg	09 1915EST			0	0	4	0	Hail (1.75)
Ithaca	09 1955EST			0	0	4	0	Hail (1.75)
Ithaca	09 2025EST			0	0	4	0	Thunderstorm Winds

Thunderstorms developed during the late afternoon, in a mild and moist southwestern flow, ahead of a cold front. The thunderstorms produced three confirmed tornadoes. The first touched down in Forestville. About a dozen trees were downed, one of which fell on a house. About 3 miles further east, a metal roof was torn off a silo and golf ball-size hail fell. The hail broke windows and depressions from the hail were visible in the siding of a barn. Winds were estimated at less than 70 mph.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NEW YORK, Western Cont'd

The second confirmed tornado touchdown occurred just east of Springville. A large tree was snapped off, a small barn blown over, and parts of metal roofing were lifted well up into trees. Wind estimates ranged from 70-80 mph.

The third tornado touched down in the town of West Sparta. One working barn was destroyed with two of 26 cows inside killed. One small barn used for hay storage was heavily damaged as well as a two-story shop/apartment building. Two sets of electrical power carriers (three 80-foot poles per set), were snapped off at the base. Wind speeds were estimated between 73 and 112 mph. Golf ball-size hail was later reported with this storm.

NYZ021 Niagara County	15	1630EST			0	0	4	0	High Winds
NYZ001 Erie County	15	1823EST			0	0	5	0	High Winds
NYZ022 Chautauqua County	15	1830EST			0	0	4	0	High Winds
NYZ002 Monroe County	15	1918EST			0	0	4	0	High Winds

Deep low pressure, over southern Ontario, produced strong winds across portions of western New York. Winds gusted to 68 mph in Niagara Falls; 63 mph at the Buffalo Airport; and 63 mph at the Monroe County Airport in Rochester. Sustained wind speeds of 40 mph were recorded at Dunkirk. In Orchard Park, a 70-foot wooden structure, to be used as the form for a concrete water tank, had to be razed and rebuilt when the wind shifted the entire structure half a foot. The strong winds also raised the level of the eastern end of Lake Erie producing some flooding and erosion along the lakeshore.

NYZ002 Monroe County	22	0200EST			0	0	4	0	Flood
NYZ021 Orleans County	22	0200EST			0	0	4	0	Flood

Over 2 inches of rain fell on saturated ground causing road and basement flooding. The Black Creek near Churchville crested just above the flood stage of 6 feet. The Oatka and Sandy Creeks also flooded their banks.

Cayuga County Sennett	30	1620EST	0.1	25	0	0	5	0	Tornado (F1)
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Thunderstorms which developed along a cold front, produced one tornado during the early evening. A large tree was uprooted and then the tornado demolished a 36-foot by 60-foot barn. Wind speeds were estimated between 73 and 112 mph.

NORTH CAROLINA

Rowan County Spencer	08	1315EST			0	0	0	0	Hail (0.75)
Davidson County Thomasville	08	1409EST			0	0	0	0	Hail (0.75)
Wake County Fuquay Varina	08	1635EST			0	0	0	0	Thunderstorm Wind

Thunderstorms produced dime-size hail in the western piedmont and blew the roof off a warehouse in Fuquay Varina.

Madison County Mars Hill	09	1700EST			0	0	0	0	Thunderstorm Winds
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A mobile home, barn, and shed roof were destroyed. Damage was estimated at \$60,000.

Cherokee County Marble	09	1630EST			0	0	0	0	Hail (0.75) Thunderstorm Winds
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NORTH CAROLINA Cont'd

Graham County Robbinsville	09	1635EST			0	0	0	0	Hail (0.75)
Cherokee County Topton	09	1645EST			0	0	0	0	Thunderstorm Winds
McDowell County Marion	09	1700EST			0	0	0	0	Thunderstorm Winds
Alleghany County Northwestern Portion	09	1750EST			0	0	0	0	Hail (1.00)
Wilkes County	09	1821EST			0	0	0	0	Thunderstorm Winds
Alexander County Southern Portion	09	1830EST			0	0	0	0	Thunderstorm Winds
Surry County	09	1840EST			0	0	0	0	Thunderstorm Winds
Yadkin County Eastern Portion	09	1845EST			0	0	0	0	Thunderstorm Winds
Iredell County Troutman	09	1900EST			0	0	0	0	Thunderstorm Winds
Forsyth County Clemmons	09	1910EST			0	0	0	0	Thunderstorm Winds
Stokes County	09	1935EST			0	0	0	0	Thunderstorm Winds
Davidson County Thomasville	09	1947EST			0	0	0	0	Thunderstorm Winds
Guilford County	09	1950EST			0	0	0	0	Thunderstorm Winds
Rockingham County	09	1950EST			0	0	0	0	Thunderstorm Winds
Randolph County Asheboro	09	2000EST			0	0	0	0	Thunderstorm Winds
Alamance County South of Burlington	09	2030EST			0	0	0	0	Thunderstorm Winds

During the afternoon severe thunderstorms formed over the mountains, and swept east to the piedmont, producing large hail and damaging winds. Trees were blown down and the roof blown off a house in Marble. Numerous houses and barns were damaged in the town of Marion and McDowell County. Trees and power lines were blown down over large parts of Wilkes, Stokes, and Surry Counties. Farm buildings were destroyed in Yadkin County. A tree was blown down on a mobile home just south of Burlington. The remaining entries of thunderstorm winds listed above, are for isolated damage to trees and power lines.

Buncombe County 2 E Asheville	09	1800EST			0	1	0	?	Thunderstorm Winds
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A wood and concrete baseball dugout was blown apart.

McDowell County Central and Eastern Portions	09	1810EST			0	0	5	0	Thunderstorm Winds
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Thirteen houses, six buildings, and one barn sustained damage estimated at \$225,000.

Franklin County 2 S Epsom	15	1430EST			0	0	?	0	Thunderstorm Winds
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Roofs were blown off three outbuildings, and two other buildings sustained wind damage. A large oak tree was blown down along Route 39.

Currituck County Moyock	15	1605EST			0	0	0	0	Thunderstorm Winds
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Thunderstorm winds blew down trees and power lines. Four houses were damaged near Moyock.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NORTH CAROLINA Cont'd

Cherokee County Marble	16	1630EST	0.5	50	0	0	4	0	Tornado (F0)
More than 200 trees were twisted and blown down, and the roof of an elementary school was damaged.									
Columbus County Tabor City	17	1525EST			0	0	0	?	Hail (0.75)
Hail covered the ground and damaged crops in the area.									
Columbus County Clarendon Sellerstown 8 S Whiteville	17	1530EST- 1600EST			0	0	0	4	Hail (0.50)
A 30-minute hail storm caused \$10,000 damage to strawberries.									
Wilkes County Wilkesboro	19	0930EST			0	0	0	0	Flash Flood
New Hanover County Carolina Beach	19	2000EST			0	0	5	0	Flash Flood
Heavy rains flooded eight bridges near Wilkesboro and buildings were flooded on the campus of Wilkes Community College. In New Hanover County, 6 inches of rain fell in 3 hours, flooding 94 homes and 19 businesses at Carolina Beach. Damage estimates were near \$340,000.									
Brunswick County Southport	19	2200EST- 20 0200EST			0	0	?	0	Flash Flood
A sudden deluge amounting to 9.36 inches at the Sunny Point Military Ocean Terminal, flooded homes and highways in low-lying areas.									
Henderson County Blue Ridge Dana	20	2000EST			0	0	0	?	Hail (0.75)
Dana	20	2000EST			0	0	3	0	Thunderstorm Winds
A mobile home was damaged, and a shed destroyed.									
Lincoln County Lincolnton	20	2030EST			0	0	6	0	Lightning
Lightning and the resulting fire destroyed a church sanctuary.									
Brunswick County Coastal Waters	28	0716EST			0	0	0	0	Waterspout
Beaufort County Near Bluff's Creek	28	1122EST			0	0	0	0	Waterspout
Columbus County Tabor City	28	1400EST			0	0	0	0	Lightning
Waterspouts were sighted in the coastal waters off Brunswick County, and near Bluff's Creek, at the mouth of the Pamlico River. Lightning struck and damaged a home near Tabor City.									
Forsyth County 5 NE Winston Salem	29	1507EST			0	0	0	0	Hail (1.00)
Catawba County Western	29	1540EST			0	0	0	0	Hail (1.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NORTH CAROLINA Cont'd

Cooksville	29	1617EST			0	0	0	0	Thunderstorm Winds
Polk County									
Stocks Corner	29	1815EST			0	0	0	0	Hail (0.75)
Cleveland County									
Lawndale	29	1836EST			0	0	0	0	Thunderstorm Winds
Washburn Switch	29	1845EST			0	0	0	0	Thunderstorm Winds
Caston County									
Cherryville	29	1940EST			0	0	0	0	Thunderstorm Winds
Lincoln County									
Boger City	29	2000EST			0	0	0	0	Thunderstorm Winds
Union County									
Newton	29	2028EST			0	0	0	0	Thunderstorm Winds
Mecklenburg County									
Charlotte	29	2030EST			0	0	0	0	Thunderstorm Winds
Cabarrus County									
Concord	29	2030EST			0	0	0	0	Thunderstorm Winds
Union County									
Wingate	29	2048EST			0	0	0	0	Thunderstorm Winds
Rowan County									
Spencer	29	2100EST			0	0	0	0	Thunderstorm Winds
High Rock Lake	29	2115EST			0	0	0	0	Thunderstorm Winds
Davidson County									
Lexington	29	2120EST			0	0	0	0	Thunderstorm Winds
Forsyth County									
Winston Salem	29	2120EST			0	0	0	0	Thunderstorm Winds
Guilford County									
Greensboro	29	2130EST			0	0	0	0	Thunderstorm Winds
Randolph County									
W of Asheboro	29	2145EST			0	0	0	0	Thunderstorm Winds

The 29th was an active, severe-weather day in the state. Most damage was minor, consisting of isolated areas of downed trees and power lines. Charlotte reported widespread wind damage over much of the city. Golf ball-size hail fell in western Catawba County. Fencing and a few barns were blown down near Cooksville.

Brunswick County									
Grissettown	30	1440EST			0	0	0	0	Hail (0.75)
Beaufort County									
4 N Bath	30	1701EST			0	0	0	0	Hail (1.00)
Columbus County									
Evergreen	30	1747EST			0	0	0	0	Hail (1.00)
Bladen County									
Bladenboro	30	1805EST			0	0	0	0	Hail (1.75)

Nickel- to quarter-size hail fell over the central and southern coastal areas.

Craven County									
Scattered Locations	30	1530EST-1700EST			0	0	4	0	Lightning

Lightning caused several fires to structures and estimated damage of \$40,000.

NORTH DAKOTA

Ward County									
Minot Air Force Base	09	1345CST							Funnel Cloud

A cold-air funnel cloud was sighted by Air Force personnel.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

NORTH DAKOTA Cont'd

NDZ003-004-006-008 Southwestern and South-Central North Dakota	11 13	1400CST- 1800CST		0	0	0	0	Heavy Snow
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A weak, but extended storm system brought 6 to 12 inches of snow over southwestern and south-central North Dakota. The snow began in southwestern North Dakota on the afternoon of the 11th, and spread into south-central North Dakota during the evening.

Temperatures were at, or above, freezing during the snowfall, so the snow was wet and occasionally mixed with rain. During the late morning and early afternoon of the 13th, an area of heavy wet snow moved through southwestern and south-central North Dakota, dumping 6 inches of snow within 2 hours at many locations.

The poor visibility and slippery roads led to many vehicle accidents; however, the snow did alleviate drought conditions and was a welcome event.

OHIO

Butler County Fairfield and Union Townships	09	1445EST		0	0	4	0	Thunderstorm Winds
Preble County Southwestern Portion	09	1445EST		0	0	4	0	Thunderstorm Winds (G52)
Hamilton County Lunken Airport	09	1452EST		0	0	4	0	Thunderstorm Winds (G54)
Warren County Countywide	09	1520EST		0	0	4	0	Thunderstorm Winds (G65)
Clinton County Westboro	09	1545EST		0	0	4	0	Thunderstorm Winds
Ross County 3 N Chillicothe	09	1546EST		0	0	4	0	Thunderstorm Winds (G52)
Madison County London	09	1555EST		0	0	4	0	Thunderstorm Winds (G52)
Clermont County 1 S Batavia	09	1600EST		0	0	4	0	Thunderstorm Winds
Jackson Township Brown County	09	1600EST		0	0	5	0	Thunderstorm Winds
Five Mile Lake Wayonka	09	1606EST		0	0	4	0	Thunderstorm Winds
Lawrence County Proctorville	09	1610EST		0	0	5	0	Thunderstorm Winds
Pickaway County 1 S Orient	09	1610EST		0	0	4	0	Thunderstorm Winds (G52)
Fayette County Washington C.H.	09	1615EST		0	0	4	0	Thunderstorm Winds
Franklin County Countywide	09	1620EST		0	0	5	0	Thunderstorm Winds (G56)
Highland County Hillsboro	09	1620EST		0	0	4	0	Thunderstorm Winds
Fairfield County Countywide	09	1625EST		0	0	5	0	Thunderstorm Winds
Jackson County Countywide	09	1630EST		0	0	5	0	Thunderstorm Winds
Holmes County 5 SW Glenmont	09	1633EST		0	0	0	0	Hail (0.75)
Lawrence County Scottown, Ironton and Chesapeake	09	1635EST		0	0	5	0	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			KILLINGS	INJURED	PROPERTY	CRODSS	

OHIO Cont'd

Chesapeake	09	1635EST			0	0	3	0	Hail (0.75)
Hocking County									
Countywide	09	1640EST			0	0	4	0	Thunderstorm Winds
Licking County									
Newark	09	1640EST			0	0	4	0	Thunderstorm Winds (G56)
Wayne County									
Madisonburg	09	1640EST			0	0	4	0	Thunderstorm Winds
Applecreek	09	1640EST			0	0	4	0	Hail (1.00)
Holmes County									
Millersburg	09	1645EST			0	0	3	0	Hail (0.75)
Gallia County									
Southern Portion	09	1655EST			0	0	4	0	Hail (1.00)
Perry County									
Southern Portion	09	1655EST			0	0	4	0	Thunderstorm Winds
Coshocton County									
Spring Mountain	09	1700EST			0	0	4	0	Hail (1.00)
7 W Coshocton	09	1700EST			0	0	4	0	Thunderstorm Winds
Vinton County									
Countywide	09	1700EST			0	0	4	0	Thunderstorm Winds
Muskingum County									
Zanesville	09	1701EST			0	0	4	0	Thunderstorm Winds
Airport									
Meigs County									
Southern Portion	09	1705EST			0	0	5	0	Thunderstorm Winds
Southern Portion	09	1705EST			0	0	4	0	Hail (1.00)
Athens County									
Jacksonville	09	1717EST			0	0	4	0	Thunderstorm Winds
and Athens									
Morgan County									
Countywide	09	1720EST			0	0	4	0	Thunderstorm Winds
Muskingum County									
Eastern Portion	09	1720EST			0	0	4	0	Thunderstorm Winds
Tuscarawas County									
Countywide	09	1720EST			0	0	4	0	Thunderstorm Winds
Cuyohoga County									
North Royalton	09	1722EST			0	0	4	0	Hail (1.00)
and Middleburg									
Heights									
Downtown	09	1722EST			0	0	4	0	Thunderstorm Winds (G57)
Cleveland									
Carroll County									
Countywide	09	1730EST			0	0	4	0	Thunderstorm Winds
Coshocton County									
West Lafayette	09	1730EST			0	0	5	0	Thunderstorm Winds
Harrison County									
Cadiz and	09	1745EST			0	0	5	0	Thunderstorm Winds
Freeport									
Lake County									
Kirtland Hills	09	1745EST			0	0	4	0	Hail (1.75)
Washington County									
Belpre	09	1745EST			0	0	5	0	Thunderstorm Winds
Cuyahoga County									
North Royalton	09	1800EST			0	0	4	0	Thunderstorm Winds
Guernsey County									
Cambridge	09	1800EST			0	0	4	0	Thunderstorm Winds
Noble County									
Hiramburg	09	1800EST			0	0	5	0	Thunderstorm Winds
Geauga County									
Burton and	09	1815EST			0	0	4	0	Thunderstorm Winds
Munson Townships									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OHIO Cont'd

Ashtabula County Ashtabula	09	1830EST			0	0	4	0	Hail (1.75)
Carroll County Countywide	09	1830EST			0	0	4	0	Thunderstorm Winds
Jefferson County Countywide	09	1840EST			0	0	4	0	Thunderstorm Winds
Columbiana County East Liverpool	09	1845EST			0	0	4	0	Thunderstorm Winds
Tuscarawas County Countywide	09	1845EST			0	0	4	0	Thunderstorm Winds
Belmont County Countywide	09	1855EST			0	0	4	0	Thunderstorm Winds

Thunderstorms with large hail, developed across Ohio downing trees and power lines causing structural damage. A camper was blown over near Buffalo. A mobile home was blown off the foundation and a car was overturned in Jackson Township. Roofs were blown off several homes in Proctorville. A tractor semi-trailer was blown over in Lockbourne, in Franklin County. Several homes received major structural damage in Scottown, Ironton, and Chesapeake. Two barns were destroyed and six cattle were killed on a farm in West Lafayette. Roofs were blown off homes in Cadiz and Freeport. A mobile home was overturned in Belpre and several barns were damaged in Hiramburg.

Cuyahoga County Cleveland	15	1045EST			0	0	4	0	Thunderstorm Winds
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A thunderstorm leveled an above-ground pool in the West Park area of Cleveland.

Adams County West Union	13	1530EST- 1900EST			0	0	4	0	Flood
Pike County Piketon	13 17	2330EST- 1400EST			0	0	5	0	Flood
Hocking County Enterprise	14 15	0900EST- 0400EST			0	0	3	0	Flood
Adams County West Union	15	0130EST- 0230EST			0	0	3	0	Flood
Hocking County Enterprise	15 17	1200EST- 0930EST			0	0	3	0	Flood
Guernsey County Cambridge	15 17	1630EST- 1400EST			0	0	3	0	Flood
Williams County Stryker	20 26	0000EST- 1400EST			0	0	4	0	Flood
Ottawa County Woodville	20 21	1000EST- 1800EST			0	0	3	0	Flood
Lucas County Waterville	20 22	1045EST- 0200EST			0	0	4	0	Flood
Williams County Montpelier	20 23	1900EST- 2100EST			0	0	4	0	Flood
Defiance County Defiance	21	0300EST- 0500EST			0	0	3	0	Flood

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OHIO Cont'd

Heavy rain caused flooding across southern and northwestern Ohio, from the 13th through the 26th. Most of the rivers crested at or just above flood stage and damage was minor in most cases. The Ohio River Brush Creek at West Union crested at 15.6 feet at 1700 EST on the 13th. This was 0.6 foot above flood stage. The Scioto River at Piketon crested at 20.3 feet at 0600 EST on the 16th. This was 4.3 feet above flood stage. The Hocking River at Enterprise crested at 12.6 feet at 1900 EST on the 14th. This was 0.6 foot above flood stage. The Ohio Brush Creek at West Union, crested at the 15-foot flood stage, at 0130 EST on the 15th. The Hocking River at Enterprise crested at 13.1 feet, at 2300 EST, on the 15th. This was 1.1 feet above flood stage. Wills Creek at Cambridge crested at 13.5 feet at 1100 EST on the 16th. This was 0.5 foot above flood stage. The Tiffin River at Stryker, crested at 13.1 feet at 1000 EST, on the 22nd. This was 2.1 feet above flood stage. The Portage River at Woodville crested at 9.9 feet, at 0500 EST, on the 21st. This was nearly 1 foot above the 9-foot flood stage. The Maumee River at Waterville crested at 10.4 feet at 0300 EST on the 21st. This was 1.4 feet above flood stage. The St. Joseph River at Montpelier crested, at 13.6 feet, at 1900 EST on the 21st. This was 1.6 feet above flood stage. The Maumee River at Defiance crested at the 10-foot flood stage at 0300 EST on the 21st.

Hamilton County Norwood and North College Hill	23	2020EST			0	0	4	0	Thunderstorm Winds
Clermont County 1 E Owensville	23	2050EST			0	0	4	0	Thunderstorm Winds
Clinton County New Vienna	23	2115EST			0	0	4	0	Thunderstorm Winds

A small batch of thunderstorms moved through extreme southwestern Ohio, blowing down trees and power lines.

OKLAHOMA

Comanche County 4 E Indianahoma	02	1630CST			0	0	0	0	Hail (1.25)
Cotton County 5 N Cookietown	02	1640CST			0	0	0	0	Hail (0.75)
Comanche County (FSI) Henry Post	02	1643CST			0	0	0	0	Hail (0.75)
1 NNE Pumpkin Ctr	02	1712CST	0.25	50	0	0	0	0	Tornado (F0)
Woods County Lookout	02	1720CST	0.25	30	0	0	0	0	Tornado (F1)
Grady County 4 SW Rush Springs	02	1720CST			0	0	0	0	Hail (0.75)
Cotton County Temple	02	1725CST			0	0	0	0	Hail (1.75)
Stephens County 1 WSW Marlow	02	1727CST			0	0	0	0	Hail (1.75)
2 W Duncan	02	1729CST	.01	30	0	0	0	0	Tornado (F0)
Duncan	02	1730CST			0	0	4	0	Thunderstorm Winds
Comanche County Sterling	02	1730CST			0	0	0	0	Hail (0.75)
Cotton County 4 S Randlett	02	1735CST			0	0	0	0	Hail (1.00)
McClain County Washington	02	1750CST			0	0	0	0	Hail (0.75)
Stephens County 4 S Marlow	02	1751CST			0	0	0	0	Hail (0.75)
Tillman County Grandfield	02	1800CST			0	0	0	0	Hail (1.75)
Grady County 1 W Cox City	02	1800CST			0	0	0	0	Hail (0.88)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

Woods County 7 NNE Camp Houston	02	1818CST			0	0	0	0	Hail (1.00)
Cleveland County 4 SE Noble	02	1820CST			0	0	0	0	Thunderstorm Winds (G52)
Woods County 9 WNW Camp Houston	02	1845CST- 1855CST	5	100	0	0	4	0	Tornado (F2)
Stephens County 12 S Lindsay	02	1849CST			0	0	0	0	Hail (1.00)
Garvin County Elmore City	02	1900CST			0	0	0	0	Hail (2.75)
3 S Pauls Valley	02	1903CST			0	0	0	0	Hail (0.75)
Cotton County 5 S Randleit	02	1905CST			0	0	0	0	Hail (0.75)
Murray County 1 W Sulphur	02	1930CST			0	0	0	0	Hail (0.75)
Jefferson County Grady	02	1935CST			0	0	0	0	Hail (1.75)
Pontotoc County 2 S Roff	02	2000CST			0	0	0	0	Hail (0.75)
Love County 7 NNW Courtney	02	2025CST			0	0	0	0	Hail (1.75)
Jefferson County 5 S Waurika	02	2027CST			0	0	0	0	Hail (0.75)
Osage County Barnsdall	02	2030CST			0	0	3	0	Thunderstorm Winds
Jefferson County 7 NE Grady	02	2040CST			0	0	0	0	Hail (1.75)
Love County 1 N Rubottom	02	2050CST			0	0	0	0	Hail (1.75)
Jefferson County Terral	02	2054CST			0	0	0	0	Hail (1.75)
Carter County 5 S Ardmore	02	2058CST			0	0	0	0	Hail (1.75)
Jefferson County 7 SE Grady	02	2115CST			0	0	0	0	Hail (1.00)
Love County Courtney	02	2126CST			0	0	0	0	Hail (1.00)
Washington County Bartlesville	02	2130CST			0	0	5	0	Thunderstorm Winds (G74)
Dewey	02	2135CST			0	0	0	0	Thunderstorm Winds (G56)
Love County Rubottom	02	2143CST			0	0	0	0	Hail (0.75)
Alfalfa County 8 SE Amorita	02	2152CST			0	0	0	0	Hail (0.75)
Marshall County 9 SW Madill	02	2157CST			0	0	0	0	Hail (1.75)
Grant County Wakita	02	2215CST			0	0	0	0	Hail (0.75)
Nowata County Wann	02	2230CST			0	0	4	0	Thunderstorm Winds (G56)
Love County 4 ENE Thackerville	02	2230CST			0	0	4	0	Hail (1.75)
Bryan County Platter	02	2240CST			0	0	0	0	Hail (0.75)
Logan County E Crescent	02	2248CST			0	0	0	0	Hail (1.75)
1 W Mulhall	02	2300CST			0	0	0	0	Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

Caddo County Hinton	02	2315CST			0	0	0	0	Hail (0.75)
Canadian County Union City	02	2325CST			0	0	0	0	Hail (0.75)
Logan County 6 NE Crescent	02	2330CST			0	0	0	0	Hail (1.00)
Bryan County Achille	02	2356CST			0	0	0	0	Hail (0.75)
Canadian County Okarche	03	0000CST			0	0	0	0	Hail (0.75)
2 W El Reno	03	0027CST			0	0	0	0	Hail (0.75)
Piedmont	03	0100CST			0	0	0	0	Hail (0.75)
McIntosh County 3 N Eufala	03	0400CST			0	0	0	0	Hail (0.75)

Severe thunderstorms developed across much of the southern, northwestern, and central parts of the state. Three tornadoes were reported across the state. The first tornado was a brief touchdown at Lookout with no reported damage or injuries. The second tornado was reported 2 miles west of the town of Duncan and also caused no reported injuries or damage. Severe thunderstorm winds in Duncan caused damage to several carports and garages, and destroyed a mobile home. Damage is estimated at \$30,000. The third tornado occurred in Woods County, 9 miles west-northwest of Camp Houston. It moved northeast along a 5-mile path, doing an estimated \$15,000 damage to power lines, storage bins, and stock trailers, mostly at the Great Plains Feedlot. The tornado was rated as F2 in strength.

In northeastern Oklahoma, strong outflow winds on the northwestern edge of a decaying thunderstorm complex caused considerable damage, from eastern Osage County, across central Washington County, and into northwestern Nowata County. Tree limbs and power lines were blown down in Barnsdall. Winds of 80 to 90 miles per hour caused \$75,000 damage to businesses and outbuildings in Bartlesville. Just to the north in Dewey, 60- to 70-mph winds downed trees and damaged outbuildings. Winds of 60 to 70 mph in Wann blew over a 50-foot grain elevator, downed trees, and destroyed two metal outbuildings. Damage is estimated at \$30,000.

Ottawa County Miami	08	2050CST			0	0	0	0	Hail (0.75)
1 N Wyandotte	08	2059CST			0	0	0	0	Hail (0.75)

Severe thunderstorms developed ahead of a cold front, in extreme northeastern Oklahoma, during the evening of April 8th, and produced dime-size hail in Ottawa County before moving into Missouri.

Pottawatomie County Wanette	10	2210CST			0	0	0	0	Hail (0.75)
McClain County Rosedale	10	2220CST			0	0	0	0	Hail (0.88)
Pottawatomie County Pottawatomie	10	2300CST			0	0	0	0	Hail (0.75)
Seminole County Wewoka	10	2342CST			0	0	0	0	Hail (0.75)
Hughes County Wetumka	11	0000CST			0	0	0	0	Hail (0.75)
Wetumka	11	0000CST			0	0	0	0	Thunderstorm Winds (G56)
Dustin	11	0020CST			0	0	0	0	Hail (1.00)
Okfuskee County 1 S Weleetka	11	0025CST			0	0	0	0	Hail (0.75)
Weleetka	11	0025CST			0	0	4	0	Lightning
Omulgee County 1 NW Winchester	11	0130CST			0	0	0	0	Hail (0.88)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

Severe thunderstorms developed along the northern edge of deep gulf moisture, during the early morning hours of April 11th, and produced dime- to nickel- size hail in Okfuskee and Okmulgee Counties. Lightning struck a home in Weleetka and started a fire which killed a 78-year-old man and his 78-year-old wife.

Love County 6 N Marietta	11	1900CST			0	0	0	0	Hail (1.00)
Garvin County 3 NW Hennepin	11	2000CST			0	0	0	0	Hail (0.75)
McClain County 3 SE Rosedale	11	2035CST			0	0	0	0	Hail (1.75)
Pottawatomie County 3 SSE Trousdale	11	2046CST			0	0	0	0	Hail (1.00)
Lincoln County Meeker	11	2113CST			0	0	0	0	Hail (1.00)
2 S Chandler	11	2125CST			0	0	0	0	Hail (1.25)
	11	2140CST			0	0	0	0	Hail (1.00)
Cherokee County Tahlequah	11	2327CST			0	0	0	0	Hail (1.00)
2 E Talequah	11	2332CST			0	0	0	0	Hail (0.88)
Adair County 3 N Westville	12	0000CST			0	0	0	0	Hail (0.75)
Cherokee County 5 W Tahlequah	12	0010CST			0	0	0	0	Thunderstorm Winds (52)
Muskogee County Warner	12	0130CST			0	0	3	0	Thunderstorm Winds

Thunderstorms moved north out of southern Oklahoma into east-central Oklahoma during the late afternoon and evening hours of April 11th and 12th, with numerous reports of large hail and strong winds. In Warner, strong winds caused an estimated \$2,000 damage to signs and outbuildings.

Blaine County 3 W Okeene	12	1335CST			0	0	0	0	Hail (0.75)
Caddo County 3 S Eakly	12	1336CST			0	0	0	0	Hail (1.00)
10 W Hinton	12	1415CST			0	0	0	0	Hail (3.00)
4 S Hydro	12	1415CST			0	0	0	0	Hail (2.00)
4 S Hydro	12	1430CST			0	0	0	0	Hail (2.00)
Blaine County Geary	12	1450CST			0	0	0	0	Hail (2.75)
Major County 0.5 S Ames-	12	1422CST-							
3.5 SE Meno		1451CST	9	300	0	0	4	0	Tornado (F2)
Garfield County 4 W Drummond	12	1452CST	0.01	20	0	0	0	0	Tornado (F0)
Canadian County 8 WNW to 7 NW	12	1505CST	1	30	0	0	0	0	Tornado (F0)
Calumet									
Garfield County 1 W Lahoma	12	1510CST			0	0	0	0	Hail (5.00)
3 ENE Lahoma to	12	1520CST-							
1.5 S Carrier		1540CST	6	50	0	0	4	0	Tornado (F2)
5 SW Kremlin	12	1533CST-							
5 WSW Kremlin		1539CST	2.5	30	0	0	0	0	Tornado F0)
Garfield and Grant Counties									
3.5 SE Hillsdale	12	1537CST-		400-					
5 SW Pond Creek		1616CST	9	800	0	0	5	0	Tornado (F3)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

Kingfisher County 6 W Kingfisher	12	1545CST- 1548CST	1	30	0	0	0	0	Tornado (F0)
Garfield County Hillsdale	12	1553CST			0	0	0	0	Hail (1.75)
Grant County Jefferson	12	1610CST			0	0	0	0	Hail (1.00)
0.5 SW Pond Creek to 3.5 SE Medford Jefferson	12	1621CST- 1651CST	9.5	500	0	0	6	0	Tornado (F3)
	12	1625CST			0	0	0	0	Hail (2.00)
	12	1627CST			0	0	0	0	Hail (2.50)
Kingfisher County Kingfisher	12	1645CST			0	0	6	0	Hail (1.50)
Grant County 2 N Jeffeson	12	1650CST			0	0	0	0	Hail (2.00)
Carter County Carter County	12	1652CST			0	0	0	0	Hail (1.75)
Kingfisher County 2 S Dover	12	1707CST			0	0	0	0	Hail (2.00)
4.5 S Kingfisher	12	1730CST	0.01	20	0	0	0	0	Tornado (F0)
7 E Dover	12	1735CST			0	0	0	0	Hail (0.75)
Woodward County Mooreland	12	1745CST			0	0	0	0	Hail (1.25)
Logan County 14 E Hennessey	12	1800CST			0	0	0	0	Hail (1.75)
Kingfisher County 7 SE to 7.5 ENE Hennessey	12	1813CST- 1817CST	2	40	0	0	0	0	Tornado (F1)
Garfield County 5 S Covington	12	1810CST			0	0	0	0	Hail (0.75)
Carter County Lone Grove	12	1820CST			0	0	0	0	Thunderstorm Winds
	12	1820CST			0	0	0	0	Hail (0.75)
Major County 1 W Fairview	12	1937CST			0	0	0	0	Hail (0.75)
Garfield County N Enid	12	2020CST			0	0	0	0	Hail (0.88)
Major County Cleo Springs	12	2030CST			0	0	0	0	Hail (1.00)
Grant County Pond Creek	12	2120CST			0	0	0	0	Hail (1.50)
Deer Creek	12	2130CST			0	0	0	0	Hail (0.75)
Alfalfa County Carmen	12	2324CST			0	0	0	0	Hail (0.75)
Custer County 9 E Butler	12	2335CST			0	0	0	0	Hail (1.00)

Thunderstorms developed during the early afternoon along the dryline in west-central Oklahoma and spread into northwestern and north-central Oklahoma, where they quickly became severe. A total of 10 tornadoes developed during the afternoon and evening hours. One storm, which tracked from Major to Grant Counties, produced six tornadoes

The first tornado occurred in Major County from 0.5 miles south of Ames and tracked to 3.5 miles southeast of Meno. Damage was mostly to trees, but two barns were destroyed with a damage estimate of \$30,000. The tornado was at F2 intensity.

The second tornado occurred just southeast of the dissipating first tornado, and produced a brief F0 touchdown with no reported damage 4 miles west of Drummond in Garfield County.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

The third tornado occurred in Canadian County, and had a 1-mile-long path of F0 tree damage from 8 miles west northwest of Calumet to 7 miles northwest of Calumet.

The fourth tornado touched down three miles east-northeast of Lahoma and moved to 1.5 miles south of Carrier along a northeasterly path. Damage was limited to a metal machine shed, a railroad crossing signal on Route 45, 1.5 miles east of the Route 132 intersection, an uprooted tree, and a destroyed outbuilding. Damage was estimated at \$15,000 in this F2 tornado.

The fifth tornado touched down 5 miles southwest of Kremlin, and moved north 2.5 miles. It was F0 causing no reported damage, and at the end of its path the tornado merged with the sixth tornado to become one large tornado.

The sixth tornado formed 3.5 miles southeast of Hillsdale and moved northeast, merging with the fifth tornado and becoming a much larger storm. The tornado moved along to the north-northeast after the merger, along a total track of 9 miles. Within 10 minutes of its formation, the tornado became a multiple-vortex tornado and widened to half a mile. The tornado caused F2 and F3 damage to eight rural homes along its path. Three homes and two mobile homes were destroyed, and two other homes were seriously damaged, with the damage estimated at \$135,000.

The seventh tornado formed 0.5 miles southwest of Pond Creek and moved northeast through the city, but caused only minor damage. The tornado continued northeast where several barns were destroyed, a brick house was damaged, and two full oil drums were tipped over about 5 miles northeast of Pond Creek. Two miles northeast, the tornado caused major damage at a Union Texas Gas Company substation where a large pump building was destroyed and tanks and pipe were damaged. Steel I-beams were twisted and 1-inch by 12-inch steel anchor bolts were removed from concrete or sheared just above the concrete. Later the tornado uprooted and removed trees from the ground, and also lifted a 100-pound block 8 feet in the air.

The tornado traveled a total path of 9.5 miles with a maximum width of one-third mile. The shape was described as a large vortex. It was rated at the top end of the F3 intensity rating. Damage in this tornado was estimated at \$2 million, with most of the dollar damage done to the gas plant.

The eighth tornado touched down 6 miles west of Kingfisher and 1 mile south of State Highway 3, traveling east for 1 mile. The tornado caused no damage except to wheat, and was described as being rope-like. The intensity rating was F0.

The ninth tornado formed 4.5 miles south of Kingfisher. It touched down briefly and caused no reported damage.

The tenth tornado formed 7 miles southeast of Hennessey and moved northeast to 7.5 miles east-northeast of Hennessey. The storm had a 2-mile-long path and was rated at F1 intensity. It caused an estimated \$3,000 damage to a barn.

Numerous reports of damaging hail and strong thunderstorm winds were received. Kingfisher County Civil Defense received numerous reports of vehicles damaged by hail, and many homes had roof damage in the town of Kingfisher, with damage estimated in excess of \$1 million.

Hail, in the city of Geary in Blaine County, caused an estimated \$20,000 damage to roofs, \$10,000 damage to municipal buildings, and \$11,000 damage to city vehicles. In Long Grove, thunderstorm winds downed several trees.

McCurtain County	13	0000CST-1700CST	0	0	0	0	Flash Flooding
			Flash flooding caused creeks to overflow and some roads to be closed.				
Osage County	13	0620CST	0	0	0	0	Hail (0.88)
5 SW Hulah							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

Pushmataha County 7 SW Antlers	13	0734CST			0	0	0	0	Hail (1.75)
Choctaw County 8 NE Boswell	13	0758CST			0	0	0	0	Hail (0.75)
Pushmataha County Fewell	13	0830CST			0	0	0	0	Hail (0.75)
Muskogee County Fort Gibson	13	1030CST			0	0	0	0	Lightning
Pushmataha County Finley	13	1032CST			0	0	0	0	Hail (0.75)

Isolated severe thunderstorms developed ahead of a cold front, and moved across portions of eastern Oklahoma. Several reports of large hail were received. In Fort Gibson, a 37-year-old man was injured when he was struck by lightning while working on his front porch.

Major County 1 N Chester	14	1415CST			0	0	0	0	Hail (0.75)
1 W Orion	14	1450CST			0	0	0	0	Hail (1.75)
Blaine County Longdale	14	1512CST			0	0	0	0	Hail (1.75)
Adair County 2 N Stilwell Airport	14	1520CST			0	0	0	0	Hail (0.75)
Haskell County 3 E Stigler	14	1530CST			0	0	0	0	Hail (0.75)
Blaine County Southard	14	1536CST			0	0	0	0	Hail (1.75)
Watonga	14	1537CST			0	0	0	0	Hail (1.00)
8 N Watonga	14	1537CST			0	0	0	0	Hail (0.88)
Kingfisher County Omega	14	1600CST			0	0	0	0	Hail (1.00)
Blaine County 5 E Watonga	14	1609CST			0	0	0	0	Hail (1.00)
Haskell County McCurtain	14	1610CST			0	0	0	0	Hail (0.75)
Kingfisher County 1 NW Okarche	14	1633CST			0	0	0	0	Hail (0.75)
1 N Okarche	14	1648CST			0	0	0	0	Hail (0.75)
Canadian County 5 N El Reno	14	1658CST			0	0	0	0	Hail (1.50)
1 NE Piedmont	14	1715CST			0	0	0	0	Hail (1.50)
Oklahoma County Bethany	14	1730CST			0	0	0	0	Hail (0.75)

Severe thunderstorms developed in association with an upper-level storm system, and produced large hail in northwestern, central, and eastern portions of the state.

Garfield County Hillsdale	17	1204CST			0	0	0	0	Hail (1.00)
Grant County 3 W Salt Fork	17	1230CST			0	0	0	0	Hail (1.00)
Garfield County 3 N Kremlin	17	1245CST			0	0	0	0	Hail (0.75)
Grant County 3 S Pond Creek	17	1245CST			0	0	0	0	Hail (0.75)
Kay County 4 W Blackwell	17	1247CST			0	0	0	0	Hail (0.75)
Grant County Salt Fork	17	1330CST			0	0	0	0	Hail (1.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

Stephens County 7 SW Comanche	17	1335CST			0	0	0	0	Hail (0.75)
Cotton County Walters	17	1337CST			0	0	0	0	Hail (1.75)
Noble County Billings	17	1345CST			0	0	0	0	Hail (0.88)
Kay County Blackwell	17	1356CST			0	0	0	0	Hail (0.75)
Garfield County 4 E Garber	17	1400CST			0	0	0	0	Hail (1.00)
Cotton County 1 ENE Walters	17	1400CST			0	0	0	0	Hail (1.00)
Jefferson County 2 N Addington	17	1400CST			0	0	0	0	Hail (1.75)
Noble County 5 S Marland	17	1405CST			0	0	0	0	Hail (0.88)
Grant County Near Lamont	17	1410CST			0	0	0	0	Hail (1.75)
Stephens County Comanche	17	1429CST			0	0	0	0	Hail (0.75)
Kay County Ponca City	17	1435CST			0	0	0	0	Hail (0.75)
Grady County 3 NE Chickasha	17	1440CST			0	0	0	0	Hail (0.75)
Grant County Lamont	17	1447CST			0	0	0	0	Hail (0.75)
Jefferson County Ringling	17	1500CST			0	0	0	0	Hail (0.88)
Johnston County Nida	17	1510CST			0	0	0	0	Hail (1.00)
Canadian County Mustang	17	1520CST			0	0	0	0	Hail (0.88)
Carter County 4 S Wilson	17	1535CST			0	0	0	0	Hail (0.75)
Jefferson County 4 N Grady	17	1535CST			0	0	0	0	Hail (1.25)
Oklahoma County 10 W Edmond	17	1538CST			0	0	0	0	Hail (1.00)
Love County Orr	17	1540CST			0	0	0	0	Hail (0.75)
Canadian County 11 W Oklahoma City	17	1545CST			0	0	0	0	Hail (1.50)
Garfield County 1 N Garber	17	1600CST			0	0	0	0	Hail (0.75)
Osage County Foraker	17	1600CST			0	0	0	0	Hail (0.75)
Osage County Foraker	17	1600CST			0	0	0	0	Thunderstorm Winds (G52)
Bryan County 2 W Caddo	17	1605CST			0	0	0	0	Hail (0.75)
Atoka County 2 S Caney	17	1615CST			0	0	0	0	Hail (1.50)
Logan County 5 SW Crescent	17	1620CST			0	0	0	0	Hail (1.75)
Pawnee County 2 NE Hallett	17	1636CST			0	0	0	0	Hail (0.88)
Osage County 5 N Cleveland	17	1645CST			0	0	0	0	Hail (0.88)
Osage County 5 N Cleveland	17	1645CST			0	0	0	0	Thunderstorm Winds (G52)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

Osage County									
Wynona	17	1645CST			0	0	0	0	Hail (0.88)
Wynona	17	1645CST			0	0	0	0	Thunderstorm Winds (G52)
Logan County									
2 W Orlando	17	1651CST			0	0	0	0	Thunderstorm Winds (G52)
Noble County									
Marland	17	1700CST			0	0	0	0	Hail (2.00)
Sequoyah County	17	1723CST			0	0	0	0	Hail (1.75)
Delaware County									
Grove	17	1730CST			0	0	0	0	Hail (0.75)
Bryan County									
Caddo	17	1732CST			0	0	0	0	Hail (0.88)
Mayes County									
5 W Pryor	17	1805CST			0	0	3	0	Thunderstorm Winds
2 SW Adair	17	1815CST			0	0	0	0	Thunderstorm Winds
McCurtain County	17	1950CST-							
	18	0000CST			0	0	0	0	Flash Flooding

Severe thunderstorms developed over the western portions of the state, and spread east, with many reports of large hail. Winds of 60 mph were reported in Osage County. Strong thunderstorm winds in Mayes County downed large tree limbs and blew insulation and siding off houses 5 miles west of Pryor. Flash flooding caused roads to be flooded out and closed in McCurtain County.

McCurtain County	26	1000CST-1200CST			0	0	0	0	Flash Flooding
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Heavy rainfall from thunderstorms caused flooding, washing out roads in some areas.

Grady County									
Rush Springs	21	2320CST			0	0	0	0	Hail (0.75)
Stephens County									
Bray	21	2335CST			0	0	0	0	Hail (0.75)
Grady County									
3 SSE Rush Springs	22	0000CST			0	0	0	0	Hail (0.75)
Garvin County									
Elmore City	22	0035CST			0	0	0	0	Hail (1.75)
Carter County									
Springer	22	0050CST			0	0	0	0	Thunderstorm Winds (G52)
Murray County									
Sulphur	22	0100CST			0	0	0	0	Hail (0.75)
Carter County									
5 E Gene Autry	22	0100CST			0	0	0	0	Hail (0.88)
Johnston County									
1 NE Mannsville	22	0115CST			0	0	0	0	Hail (1.75)
Marshall County									
5 S Oakland	22	0129CST			0	0	0	0	Thunderstorm Winds (G50)
Madill	22	0130CST			0	0	0	0	Thunderstorm Winds
Little City	22	0139CST			0	0	0	0	Thunderstorm Winds (G54)
Atoka County									
14 WSW Atoka	22	0140CST			0	0	0	0	Hail (0.88)
Bryan County									
1 SW Silo	22	0200CST			0	0	0	0	Thunderstorm Winds (G50)

Thunderstorms developed in the late evening, and continued into the early morning, with several reports of high winds and large hail across the southwestern through the southeastern portions of the state. Thunderstorm winds at Madill downed trees and power lines.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

Dewey County Leedey	24	1130CST				0	0	0	0	Hail (0.75)
Beckham County 7 NW Elk City	24	1158CST				0	0	0	0	Hail (0.75)
Roger Mills County 8 W Hammon	24	1203CST				0	0	0	0	Hail (0.75)

Late-morning thunderstorms over the western portion of the state produced several reports of large hail.

Jackson County 8 S Duke	24	1435CST				0	0	0	0	Hail (1.75)
Olustee	24	1540CST				0	0	0	0	Hail (0.75)

Afternoon thunderstorms over southwestern Oklahoma produced hail and strong winds.

Tillman County Davidson	25	2140CST				0	0	0	0	Hail (1.00)
Jackson County (LTS) Altus Air Force Base	25	2155CST				0	0	0	0	Hail (1.00)
Comanche County 5 NW Meers	25	2200CST				0	0	0	0	Thunderstorm Winds (G54)
5 NW Meers	25	2200CST				0	0	0	0	Hail (0.88)
Caddo County Apache	25	2245CST				0	0	0	0	Hail (0.88)
Grady County Tuttle	25	2334CST				0	0	0	0	Hail (1.00)
Canadian County Union City	25	2334CST				0	0	0	0	Hail (0.88)
Near Mustang	25	2345CST				0	0	0	0	Hail (2.25)
Oklahoma County Near Oklahoma City	25	2350CST				0	0	0	0	Hail (1.00)
Will Rogers Oklahoma City	26	0038CST				0	0	0	0	Hail (1.00)
Caddo County Binger	26	0209CST				0	0	0	0	Thunderstorm Winds (G54)
Blaine County Canton	26	0250CST				0	0	0	0	Hail (1.00)
Kingfisher County Lacey	26	0320CST				0	0	0	0	Hail (1.00)
Garfield County (END) Vance Air Force Base	26	0419CST				0	0	0	0	Hail (1.25)
Grant County Pond Creek	26	0445CST				0	0	0	0	Hail (1.00)
5 E Lamont	26	0540CST				0	0	0	0	Hail (0.75)
Kay County Blackwell	26	0542CST				0	0	0	0	Hail (0.88)
Tonkawa	26	0545CST	1	100		0	0	5	0	Tornado (F2)
8 E Blackwell	26	0555CST				0	0	0	0	Thunderstorm Winds
10 SW Newkirk	26	0610CST				0	0	0	0	Hail (1.75)
Kildare	26	0700CST				0	0	0	0	Hail (0.75)
Osage County Grainola	26	0700CST				0	0	0	0	Thunderstorm Winds (G56)
Grainola	26	0700CST				0	0	0	0	Hail (1.75)
Foraker	26	0750CST				0	0	0	0	Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

Thunderstorms entered southwestern Oklahoma, and spread northeast overnight, with many reports of large hail, strong winds, and heavy rainfall. There was one tornado. An early-morning F2 tornado struck Tonkawa in Kay County. Two homes suffered significant roof damage, one directly from the strong winds, and another from a tree which was blown down upon a house. Fifteen other homes suffered minor damage. A garden center suffered glass damage to the greenhouses. Damage is estimated at \$100,000. Severe thunderstorm winds caused damage to power lines and trees, as the storm moved northeast, 8 miles east of Blackwell.

Custer County 3 N Butler	26	1432CST			0	0	0	0	Hail (0.75)
Dewey County 5 NW Oakwood	26	1510CST			0	0	0	0	Hail (1.25)
Oakwood	26	1525CST			0	0	0	0	Hail (1.00)
Blaine County Canton	26	1550CST			0	0	0	0	Hail (0.75)
Alfalfa County Goltry	26	1545CST			0	0	0	0	Hail (0.75)
Cherokee	26	1607CST			0	0	0	0	Hail (1.00)
Blaine County Southard	26	1608CST			0	0	0	0	Hail (0.88)
Garfield County 4 W Hillsdale	26	1610CST			0	0	0	0	Hail (0.88)
Grant County Jefferson	26	1625CST			0	0	0	0	Hail (0.75)
Major County 2 E Ames	26	1627CST			0	0	0	0	Hail (0.75)
Garfield County (END) Vance AFB	26	1655CST			0	0	0	0	Hail (1.75)
Kay County Braman	26	1700CST			0	0	0	0	Hail (1.75)
Garfield County 5.5 E Endi to 4 W Garber	26	1700CST- 1709CST	6	350	0	0	5	0	Tornado (F3)
Garber	26	1715CST			0	0	0	0	Hail (0.75)
0.5 W Garber	26	1715CST	0.01	20	0	0	0	0	Tornado (F0)
Noble County Osage County 2.5 Garber to 6 WNW Pawhuska	26	1730CST- 1855CST	66	500- 1500	0	6	6	0	Tornado (F4)
Noble County Billings	26	1730CST			0	0	0	0	Hail (1.75)
3 SE Billings	26	1742CST			0	0	0	0	Hail (2.75)
Payne County 5 W Perkins	26	1759CST			0	0	0	0	Hail (0.88)
Pawnee County 4 SW Ralston	26	1800CST			0	0	0	0	Hail (0.88)
Kay County White Eagle	26	1807CST			0	0	0	0	Hail (1.25)
E Ponca City	26	1823CST			0	0	0	0	Thunderstorm Winds
Osage County Burbank	26	1828CST			0	0	0	0	Hail (1.75)
5 E Burbank	26	1831CST			0	0	0	0	Hail (2.75)
5 E Burbank	26	1831CST			0	0	0	0	Thunderstorm Winds (G70)
Payne County 12 ESE Still- water	26	1838CST- 1847CST	6.5	100- 800	0	0	5	5	Tornado (F2)
2 WNW Yale									
Pawnee County 1 S Jennings	26	1855CST			0	0	0	0	Hail (1.25)
Hallett	26	1900CST			0	0	0	0	Hail (2.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

Hallett	26	1903CST			0	0	0	0	Hail (2.75)
Cleveland	26	1909CST			0	0	0	0	Hail (1.75)
Pawnee and Osage Counties									
1.5 WSW Terlton to 1 NNW Skiatook	26	1910CST-2027CST	32	400-1700	1	24	6	0	Torando (F4)
Pawnee County									
3 S Cleveland	26	1911CST			0	0	0	0	Hail (2.75)
Cleveland	26	1915CST			0	0	0	0	Hail (1.00)
Osage County									
10 W Pawhuska	26	1927CST	0.25	10	0	0	0	0	Tornado (F1)
Kay County									
Newkirk	26	1952CST			0	0	0	0	Hail (0.75)
Tulsa County									
Skiatook	26	1957CST			0	0	0	0	Hail (0.75)
Washington County									
1 SSW Copan	26	2005CST-2020CST	6	100	1	10	5	0	Torando (F2)
Osage County									
5 SW Skiatook	26	2010CST			0	0	0	0	Hail (1.75)
Kay County									
Tonkawa	27	2020CST			0	0	0	0	Hail (1.00)
Tulsa County									
1 W Skiatook	26	2025CST			0	0	0	0	Thunderstorm Winds
4 E Skiatook	26	2030CST			0	0	0	0	Thunderstorm Winds (G52)
3 NE Sperry	26	2030CST			0	0	0	0	Thunderstorm Winds (G51)
Choctaw County									
Sawyer	26	2030CST			0	0	0	0	Hail (0.75)
Tulsa County									
4 E Skiatook	26	2035CST			0	0	0	0	Thunderstorm Winds (G61)
Collinsville	26	2035CST			0	0	0	0	Thunderstorm Winds
Washington County									
1 SW Vera	26	2035CST			0	0	0	0	Hail (0.75)
Rogers County									
5 SW Oologah	26	2037CST			0	0	0	0	Thunderstorm Winds
1.5 SW Oologah	26	2040CST			0	0	0	0	Thunderstorm Winds
Oologah	26	2045CST			0	0	0	0	Thunderstorm Winds
Pushmataha County									
Rattan	26	2045CST			0	0	0	0	Hail (0.75)
Noble County									
Red Rock	26	2045CST			0	0	0	0	Hail (1.75)
Rogers County									
1 W Oologah	26	2045CST-2053CST	4	1300	0	22	7	0	Torando (F4)
3 NE Oologah									
Nowata County									
8 SE Nowata	26	2055CST			0	0	0	0	Hail (0.75)
Rogers County									
1 W Chelsea	26	2110CST-2114CST	2	30	0	3	5	0	Torando (F1)
2 N Chelsea									
Logan County									
Coyle	26	2115CST			0	0	0	0	Hail (0.75)
Oklahoma County									
(TIK) Tinker Air Force Base	26	2125CST			0	0	0	0	Hail (0.75)
2 S Choctaw	26	2125CST			0	0	0	0	Hail (1.00)
Oklahoma City	26	2128CST			0	0	0	0	Hail (1.00)
Payne County									
8 W Stillwater	26	2130CST			0	0	0	0	Hail (1.00)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

Craig County									
4 N White Oak	26	2154CST			0	0	0	0	Hail (0.88)
4 N White Oak	26	2154CST			0	0	0	0	Thunderstorm Winds (G52)
Cleveland County									
Norman	26	2200CST			0	0	0	0	Hail (0.75)
Lincoln County									
Jacktown	26	2205CST			0	0	0	0	Hail (0.75)
Osage County									
7 NE Barnsdall	26	2210CST			0	0	0	0	Hail (0.75)
Latimer County									
Bengal	26	2215CST			0	0	0	0	Hail (4.00)
Washington County									
Ochelata	26	2220CST			0	0	0	0	Hail (0.75)
Latimer County									
3 N Bengal	26	2220CST			0	0	0	0	Hail (4.00)
Lincoln County									
5 W Prague	26	2225CST			0	0	0	0	Hail (0.75)
Creek County									
6 SE Depew	26	2230CST			0	0	0	0	Hail (0.75)
Ottawa County									
1 E Wyandotte	26	2233CST			0	0	0	0	Hail (4.75)
Le Flore County									
16 NE Tallihina	26	2233CST			0	0	0	0	Hail (1.00)
Ottawa County									
1 N Ottawa	26	2236CST			0	0	0	0	Hail (4.75)
Le Flore County									
5 SW Poteau	26	2250CST			0	0	0	0	Hail (1.75)
Wister	26	2250CST			0	0	0	0	Thunderstorm Winds (G56)
	26	2258CST			0	0	0	0	Hail (1.75)
Rogers County									
Catoosa	26	2300CST			0	0	0	0	Hail (0.75)
Mayes County									
5 N Pryor	26	2333CST			0	0	0	0	Hail (0.75)
Adair	26	2335CST			0	0	0	0	Hail (0.75)
Craig County									
1 N Big Cabin	26	2340CST			0	0	0	0	Hail (0.88)
Coal County									
Coalgate	27	0145CST			0	0	0	0	Hail (0.75)

Severe thunderstorms developed in northwestern Oklahoma in the afternoon hours, and moved into north-central and northeastern Oklahoma in the late afternoon and evening hours. A total of nine tornadoes developed, four from a severe thunderstorm complex that moved over Garfield, Noble, Osage, and Washington Counties. Four more formed from a thunderstorm complex that moved along a path south of the other complex, through Payne, Pawnee, southern Osage, Tulsa, and Rogers Counties. A third thunderstorm produced one additional tornado.

The first tornado in the northern storm touched down on the eastern side of Woodring Airport in Enid at 1700 CST. It intensified as it moved northeast, destroying two homes 2 miles south of Breckinridge.

At this point, a pickup truck was rolled 150 yards and destroyed. Damage is estimated at \$70,000. The tornado dissipated 4 miles west of Garber.

The second tornado touched down 0.5 miles west of Garber. It moved northeast less than 0.25 mile and dissipated, causing only minor FO intensity damage. Billings.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

The third tornado touched down 2.5 miles east of Garber at approximately 1730 CST and moved northeast. The tornado increased to F3 intensity as it passed 4.5 miles south of Billings.

Oil tanks were destroyed, well pumps toppled, and power poles snapped. The path width at this point was estimated at 0.5 mile. The tornado grew to a width of 0.75 mile and destroyed a home 5 miles southeast of Billings. The tornado strengthened to F4 intensity as it neared Interstate 35, debarking many trees and destroying a home. The tornado continued east-northeast across Noble County, passing south of Marland and north of the Otoe Indian Agency, destroying at least two farms along the way. The tornado continued on into Osage County, where its intensity dropped to F3, and moved just to the north of Fairfax where many trees were uprooted and a house was damaged. Ten miles west of Pawhuska a large oil rig with an 18-inch foundation was toppled. The tornado lifted at 1855 CST 9 miles west-northwest of Pawhuska, with a total path length of 66 miles. Damage was estimated at \$500,000. Damage incurred at one totally-destroyed farm alone was estimated at \$200,000. Several county roads were destroyed when large sections of asphalt were blown away. There were six injuries in this tornado, but none were serious.

The fourth tornado occurred 1 mile south-southwest of Copan in Washington County at 2005 CST and destroyed a convenience store and bait shop, along with damage to other buildings and trees. Two women were waiting in their car for the storm to pass, when the tornado picked the car up and tossed it into a field 250 yards to the northeast. The passenger was killed and the driver was critically injured. Nine other people were also injured in Copan. The tornado continued intermittently to the northeast, and lifted at 2020 CST, just before crossing into Nowata County. The tornado was rated an F2. Damage was estimated at \$100,000. (F6OV)

The fifth through eighth tornadoes occurred with a storm system which intensified rapidly over Payne County at 1800 CST, and moved through Pawnee, southern Osage, northern Tulsa, northern Washington, northern Rogers, southern Nowata, Craig, and Ottawa Counties before moving into Missouri around 2345 CST.

The fifth tornado developed 12 miles east-southeast of Stillwater in Payne County and moved northeast. It was wide (0.5 miles) but weak at the beginning. It crossed State Highway 51, 6.5 miles west of Yale. Total path length was 6.5 miles. In the middle part of its lifetime, the tornado was the strongest. It narrowed to 100 yards in width, but strengthened. A dump truck was rolled for 200 yards, a metal shop building and a large, well-built barn were destroyed (all F2), two homes sustained roof damage, and trees and power poles were knocked down (F1 damage.) The tornado began at 1838 CST and ended at 1847 CST. Damage was estimated at \$60,000.00.

The sixth tornado went along a 32-mile path from 1.5 miles west-southwest of Terlton to 1 mile north-northwest of Skiatook. It began at 1910 CST and ended at 2027 CST. The tornado narrowly missed the town of Terlton as it moved east-northeast. Northeast of Terlton and west of State Highway 48, the tornado was weak (F0 damage to trees.) As the tornado crossed Highway 48, 0.5 miles south of the Cimarron Turnpike, it strengthened with F1 and F2 intensity damage to structures and power poles. Up to that point it had been one-eighth mile in width. After crossing Highway 48, the tornado widened rapidly to about 1 mile and intensity increased to F4 damage as it crossed the turnpike. Several cars were swept off the turnpike with five injuries and one fatality. A man was killed when his car was overturned. The tornado then crossed into the Keystone Airpark at 1930 CST and caused significant damage to four hangers, and seven aircraft were destroyed. Two of the planes were tossed into trees. The fire station at the airport was demolished, with one of the fire engines pushed across the runway and flung into an area of trees about 0.25 mile away. The Ridgemont Estates Subdivision 1 mile east of Westport was hard hit, with F4 damage to homes and trees. In the Westport area, 54 homes were completely demolished, 8 homes suffered substantial damage, and 32 homes suffered minor damage. Also destroyed were 70 vehicles, 5 mobile homes, 18 outbuildings, and 3 travel trailers.

The community center at Westport suffered damage. There were no fatalities and no reported injuries at Westport. The tornado was 400-yards wide in the Westport area. The tornado crossed Keystone Lake into Osage County at 1944 CST, and briefly lifted in the vicinity of New Prue. The tornado then touched down again east-northeast of New Prue 0.5 miles southwest of

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

the John Zink Scout Ranch and destroyed the lodge there, where a group of Girl Scouts had taken cover. There were no reported injuries among the scouts. All trees along the path of the tornado were snapped off or uprooted, as it continued to the northeast, to the extreme south edge of Skiatook Lake, where some boat docks and a marina were damaged. The tornado continued to 1.5 miles west of Skiatook on Highway 20, where there was damage to a propane company at 2015 CST. The tornado moved on to a subdivision 1 mile west-northwest of Skiatook, where 32 homes were destroyed, 11 homes suffered major damage, and 45 homes suffered minor damage. There were 19 injuries in the Skiatook area. The damage was rated at F3 intensity. The tornado continued northeast for a short time and lifted at 2027 CST, shortly before crossing the Tulsa County line. Damage was estimated from this storm at close to \$3 million. (M57V)

The seventh tornado was the most damaging of the evening. It touched down 1 mile west of Oologah in Rogers County at 2045 CST and moved northeast along a short but devastating 4-mile path. It traveled through a subdivision one mile north of Oologah. There were 60 homes and 16 trailers completely destroyed in the Oologah area. Sixteen apartments and thirty barns were also destroyed. There were 22 injuries in the Oologah area, with 1 serious injury. Major tornado damage occurred at the Oologah School Complex where all buildings (kindergarten through high school) had significant structural damage. The damage was rated F4 intensity with a 0.75-mile path. Significant damage also occurred due to downbursts on the southern flank of the tornado path.

The damage was in a consistent "starburst" pattern, from 5 miles southwest of Oologah, to the town itself where a few trees were blown down and roof damage occurred. Heavy damage also occurred to several homes and two mobile homes 1.5 miles southwest of Oologah. Large towers supporting high tension wires from the Oologah power plant were blown down. All the towers along a 1-mile stretch were blown down toward the east-southeast. The tornado lifted at 2055 CST just west of Oologah Lake. Damage is estimated at close to \$15 million, and \$12 million alone in damage to the Oologah School Complex.

The eighth tornado touched down west of Chelsea in Rogers County at 2110 CST. It destroyed two homes and two mobile homes on the northwestern side of Chelsea. The damage path was 2 miles long and very narrow. It lifted at 2115 CST, and was described as rope-like. There were three minor injuries and the tornado was classified as F1.

The ninth tornado developed in Osage County, from a thunderstorm which developed just to the south of the complex, which passed through the area from Garfield to Washington Counties. It produced a tornado at 1927 CST 10 miles west of Pawhuska along Highway 60. The tornado was described by witnesses as rope-shaped. The tornado remained on the ground for 30 seconds. It picked up a car from Highway 60 and tossed it about 50 feet from the roadway. The path was 0.25 miles long and very narrow. It was rated F1 category. Damage to homes and mobile homes was estimated at \$75,000. In addition, many reports of large hail (up to soft ball-size and strong thunderstorm winds (up to 80 mph) were received.

Choctaw County Boswell	28	1250CST	0	0	0	0	Hail (1.00)
Marsgall County Kingston	28	1315CST	0	0	0	0	Thunderstorm Winds (G52)
Bryan County Silo	28	1330CST	0	0	0	0	Thunderstorm Winds (G51)
Coal County Tupelo	28	1340CST	0	0	0	0	Hail (0.75)
Bryan County Yuba	28	1345CST	0	0	0	0	Hail (0.75)
Atoka County Atoka	28	1355CST	0	0	0	0	Thunderstorm Winds (G56)
Pittsburgh County Haywood	28	1425CST	0	0	0	0	Thunderstorm Winds
Hughes County	28	1430CST	0	0	0	0	Thunderstorm Winds
Coal County 2 S Tupelo	28	1430CST	0	0	0	0	Hail (0.75)
McIntosh County Hanna	28	1430CST	0	0	0	0	Thunderstorm Winds (G52)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OKLAHOMA Cont'd

5 N Eufaula Okfuskee County	28	1445CST			0	0	0	0	Thunderstorm Winds
Weleetka Mayes County	28	1510CST			0	0	0	0	Thunderstorm Winds
Locust Grove 1 N Chouteau Delaware County	28	1558CST			0	0	0	0	Thunderstorm Winds
Jay	28	1625CST			0	0	0	0	Thunderstorm Winds

Severe thunderstorms developed in portions of southeastern and eastern Oklahoma. The following are results of damaging winds with these thunderstorms: a barn was blown over in Haywood, a boat and boat docks were overturned 5 miles north of Eufala, power lines and tree limbs were blown down in Locust Grove, and one tree was blown down in Chouteau.

OREGON

ORZ01 Northern Coast	02	0300PST- 2000PST			0	0	?	0	High Wind
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Wind speeds associated with a very wet Pacific storm were recorded up to 66 mph in Seaside, and 51 mph in Astoria.

Tillamook County Wilson River	04 06	0600PST- 0600PST			0	0	6	?	Flood
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A torrential rain storm that lasted about 48 hours raised the Wilson River to 5 feet above flood stage. A mud slide 700 feet tall and 600 feet wide crashed onto the Wilson River Highway. Highway crew vehicles were either pushed into the river or buried. The road will be closed for months costing the local economy millions of dollars in tourist money. The city of Tillamook had water 3 feet deep in downtown affecting 30 businesses. Lee's Camp, in the coastal mountains, received 12 inches of rain in 48 hours.

ORZ01 Northern Coast	04 05	1400PST- 0800PST			0	0	4	0	High Wind
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Winds remained very strong for 18 hours, with gusts to 58 mph in Tillamook, Seaside, and Astoria. In Garibaldi, the front wall of the barn housing Joani's Bargain Barn Flea Market collapsed under the wind force onto a parked car.

Tillamook County Newhalem River	04 07	1600PST- 1600PST			0	0	?	0	Flood
Washington County Upper Tualatin River	05 08	0200PST- 1200PST			0	0	?	0	Flood
ORZ02-03 Central and Southern Coast	05	0400PST			0	0	?	0	High Winds

Wind speeds on the entire coastline were very strong. Cape Blanco and Gold Beach (Curry County) had wind gusts to 60 mph and 59 mph, respectively. Near-shore swells were 20 to 25 feet high.

Yamhill County South Yamhill River	05 07	2300PST- 1400PST			0	0	?	0	Flood
Multnomah County Gresham	09	1330PST 1440PST	Short	10	0	0	2	0	Tornado (F0) Hail (0.50)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

OREGON Cont'd

A thunderstorm produced a very small tornado and hail. A resident of a house which sustained minor damage recalled a steady progression of the wind effect. Initially, the neighbor's roof shingles lifted up, then their pool water was sucked out from underneath the pool cover; next, the first row of shingles on the witness' roof were turned up and small plants and a trellis were uprooted. Hail punctured a hole the size of a silver dollar in the garage screen door. At the same time this occurred, the U.S. Weather Service Office (Portland) received a call from the same vicinity as the tornado reporting 0.5-inch hail and an unconfirmed report of 1-inch hail.

PENNSYLVANIA, Eastern

Fulton County									
Hustontown	09	2030EST			0	0	5	0	Thunderstorm Winds
Needmore	09	2030EST			0	1	5	0	Thunderstorm Winds
McConnellsburg	09	2045EST			0	0	4	0	Thunderstorm Winds

Thunderstorm wind gusts collapsed a barn near Hustontown, killing 17 head of cattle. In the Needmore area, a mobile home was torn apart by the wind gusts, but a woman inside sustained only minor injuries. Near Needmore, a large cement block garage was destroyed when a roof was lifted off, and the walls collapsed. In McConnellsburg, trees were blown down and power was out. One large tree came down on a house and destroyed the bathroom.

Huntingdon County									
Maddenville	09	2030EST			0	0	5	0	Thunderstorm Winds

Thunderstorm wind gusts downed trees and utility lines and tore apart a barn.

Centre County									
5.5 WSW Pine Grove and Mills	09	2050EST	0.5	60	0	0	4	0	Tornado (F0)

The tornado touched down west-southwest of Pine Grove Mills in an area known as Baileyville and traveled east-northeast for about one-half of a mile. The tornado downed trees and tree limbs, and damaged outbuildings. The side of one barn was pushed in and portions of the roof were blown off. Another barn had portions of the roof blown off.

Centre County									
1 WSW Gatesburg	09	2050EST			0	0	4	0	Thunderstorm Winds (G78)
5.5 WSW Pine Grove and Mills	09	2050EST			0	0	3	0	Thunderstorm Winds (G61)
2.5 W Pine Grove and Mills	09	2055EST			0	0	3	0	Thunderstorm Winds
State College	09	2115EST			0	0	?	0	Thunderstorm Winds (G50)

Microburst winds blew most of the roof off one house near Gatesburg, and downed a swath of trees about one-half of a mile to the east. Wind gusts were estimated at 70 to 90 mph. A large damage area from another microburst extended from the Baileyville area to the southern end of State College. A number of trees were downed in the Baileyville area, along with damaged tree limbs. A tree was damaged here and there along the path, all the way to the southern edge of State College, where a storage shed was damaged. A utility pole and power lines were down a few miles southwest of Pine Grove Mills. Winds were estimated at 50 to 70 mph. In Fairbrook, about 2.5 miles west of Pine Grove Mills, a storage shed was lifted up over a row of pine trees landing 10 yards away. The contents of the shed were left intact. Wind gusts were measured at 50 knots in State College and 0.75-inch hail also fell.

Juniata County									
Honey Grove	09	2100EST			0	0	4	0	Thunderstorm Winds

Thunderstorm wind gusts destroyed a mobile home between 2100 and 2200 EST.

Franklin County									
Chambersburg	09	2103EST			0	0	3	0	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

PENNSYLVANIA, Eastern Cont'd

Dallastown	09	2200EST			0	0	3	0	Thunderstorm Winds
York	09	2200EST			0	0	4	0	Thunderstorm Winds

Thunderstorm wind gusts were reported at 65 mph in Dillsburg. Trees and utility lines were downed in Dallastown. The roof was blown off a warehouse in York.

Dauphin County

Harrisburg	09	2145EST			0	0	?	0	Thunderstorm Winds (G67)
Middletown	09	2150EST			0	0	?	0	Thunderstorm Winds (G50)
2 NW Speecheville	09	2200EST			0	0	3	0	Thunderstorm Winds
Carsonville	09	2200EST			0	0	3	0	Thunderstorm Winds
Loyalton	09	2200EST			0	0	5	0	Thunderstorm Winds
Lykens	09	2205EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts were measured at 67 kts on top of the Federal Building in Harrisburg, and at 50 kts at Harrisburg International Airport in Middletown. A tractor-semitrailer truck had its trailer blown off the road and nearly off the bridge at Clarks Ferry, which is north-northwest of Speecheville. A tree was blown down onto a house in Carsonville. In Lykens several signs were destroyed at a shopping plaza. In Loyalton, two huge trees were uprooted on a farm and the barn was moved 6 inches and had its entire roof torn off. Nearby, a mobile home had the roof lifted up and a portion folded back. In the same general area, around ten homes were damaged and one house had the roof on a large garage collapse after the walls were blown in.

Lancaster County

Elizabethtown	09	2145EST			0	0	3	0	Thunderstorm Winds
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Thunderstorm wind gusts downed numerous trees.

Lebanon County

1 E Annville	09	2200EST			0	1	5	0	Thunderstorm Winds
2 NE Annville	09	2200EST			0	0	4	0	Thunderstorm Winds

To the east of Annville, thunderstorm wind gusts collapsed a metal and glass porch enclosure injuring a man inside. Roof shingles and siding were torn off some houses. Some trees were knocked down or snapped off. Anchored-down metal bleachers were torn loose and twisted.

A large carport was ripped off the side of a house, and fell on three vehicles. To the northeast of Annville, wind gusts tore the roof off a mobile home and uprooted some trees. A barn roof was also blown off, and a cattle shed was moved off its foundation.

Northumberland County

Herndon	09	2203EST			0	0	?	0	Hail (0.75)
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A thunderstorm dropped 0.75-inch hail.

Schuylkill County

1 SW Klingerstown	09	2215EST			0	0	3	0	Thunderstorm Winds
Valley View	09	2220EST			0	0	3	0	Thunderstorm Winds
Pottsville	09	2250EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts snapped off trees near Klingerstown. In Valley View, numerous trees were uprooted or snapped off, with at least one coming down on a house. Trees were blown down in Pottsville. The roof of a sheed was blown off, a window was blown in on a house and a school which also sustained some roof damage. Damage occurred in Valley View from 2200 to 2230 EST. In Pottsville, trees were blown down.

Berks County

Spatz Field (RDG)	09	2245EST			0	0	?	0	Thunderstorm Winds (G50)
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

PENNSYLVANIA, Eastern Cont'd

1 E Shoemakersville	09	2245EST		0	0	4	0	Thunderstorm Winds
2 N Fleetwood	09	2245EST		0	0	4	0	Thunderstorm Winds

Thunderstorm wind gusts were measured at 50 kts at Spaatz Field, Reading. Wind gusts tore a portion of the roof off a house in Richmond Township, east of Shoemakersville. Portions of the roofs were torn off a mushroom house and a nearby home in Perry Township, north of Fleetwood.

Northampton County
4 NE Martins Creek

24	1345EST		0	0	5	0	Lightning
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Lightning downed a high-voltage power line on a farm in Lower Bethel Township. The high-voltage current traveled through the ground reaching cows in metal stanchions in the barn as well as some that were outside. Six cows were killed instantly. The remaining cows were injured with some unable to produce milk and some later aborting their calves. Veterinarians expect that eventually the entire herd of cows will be lost.

Lehigh County
Allentown
Bethlehem
Easton Airport (ABE)

09	1436EST		0	0	?	0	Thunderstorm Winds (G53)
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Thunderstorm wind gusts were measured at 53 kts.

PENNSYLVANIA, Western

Beaver County
5 SW Beaver

08	1445EST		0	0	0	0	Thunderstorm Winds
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Trees and power lines were downed by winds between Midland and Rochester.

Washington County
13 N Washington

09	1830EST		0	0	4	0	Thunderstorm Winds
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Roofs were blown off businesses in McDonald.

Beaver County
12 W Beaver

09	1835EST		0	0	0	0	Hail (0.75)
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Penny-size hail was reported at Ohioville.

Allegheny County
Pittsburgh

09	1839EST		0	0	0	0	Thunderstorm Winds
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A 60-mph gust was reported at the Greater Pittsburgh Airport.

Beaver County
8 S Beaver

09	1845EST		0	0	4	0	Thunderstorm Winds
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A mobile home was overturned in Green Garden (Raccoon Township). Roofs were blown off homes, and 20,000 were without power throughout the county.

Crawford County
16 NW Meadville

09	1848EST		0	0	0	0	Hail (0.75)
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Three-quarter-inch size hail was reported at Springboro.

Erie County
24 SW Erie

09	1850EST		0	0	0	0	Thunderstorm Winds Hail (0.75)
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Three-quarter-inch hail was reported at west Springfield, with 58-mph gusts in Lake City.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

PENNSYLVANIA, Western Cont'd

Crawford County 15 NW Meadville	09	1855EST			0	0	0	0	Thunderstorm Winds Sixty-mph winds were reported at Conneautville, with power lines and large trees blown down.
Lawrence County	09	1900EST			0	0	0	0	Thunderstorm Winds Sixty-mph winds were reported in the west-central part of the county, with large tree branches downed in the northern part of the county.
Allegheny County 5 N Pittsburgh	09	1900EST			0	0	0	0	Hail (0.75) Three-quarter-inch size hail occurred 5 miles north of Pittsburgh in Ross Township.
Washington County 14 NE Washington 12 E Washington 15 SE Washington	09	1900EST			0	0	0	0	Thunderstorm Winds Power lines and trees were blown down in Finleyville, Bentleyville, Vanceville, and Richeyville.
Crawford County 7 N Meadville	09	1905EST			0	0	0	0	Thunderstorm Winds Power lines were downed at Saegertown.
Fayette County 15 NW Uniontown	09	1907EST			0	0	0	0	Thunderstorm Winds Two buildings were destroyed 3 miles east of Brownsville.
Washington County	09	1910EST			0	0	0	0	Thunderstorm Winds Trees and power lines were downed throughout the county by thunderstorm winds.
Erie County 14 S Erie	09	1915EST			0	0	0	0	Thunderstorm Winds Numerous power lines and large trees were blown down at Waterford.
Greene County 10 S Waynesburg	09	1915EST			0	0	0	0	Thunderstorm Winds The roof was blown off mobile home in Kuhntown.
Butler County 3 SW Butler	09	1918EST			0	0	0	0	Hail (0.75) Three-quarter-inch size hail was reported at Lyndora.
Erie County Erie	09	1920EST			0	0	0	0	Thunderstorm Winds Power lines were downed in the city of Erie.
Fayette County 18 N Uniontown 16 SE Uniontown	09	1928EST			0	0	0	0	Thunderstorm Winds Trees were downed by 70-mph windw north of Everson with trees and telephone poles twisted off in Wharton.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

PENNSYLVANIA, Western Cont'd

Allegheny County 4 SW Pittsburgh	09	1930EST			0	0	?	0	Hail (1.00)
									One-inch size hail cracked windshields in Greentree along Parkway West.
Butler County 11 SW Butler	09	1930EST			0	0	0	0	Hail (0.75)
									Penny-size hail occurred at Evans City.
Westmoreland County 15 S Greensburg	09	1930EST- 1931EST	0.2	50	0	4	4	0	Tornado (F1)
									A mobile home in Scottdale was lifted up and placed back down, with the occupants inside. The family of four suffered minor injuries. Another mobile home was completely destroyed.
Fayette County 11 NW Uniontown	09	1930EST			0	0	0	0	Thunderstorm Winds
									Trees and power lines were downed in the following areas: Brownsville, West Brownsville, Grindstone, Republic, and Merrittstown.
Greene County 16 SE Waynesburg	09	1930EST			0	0	3	0	Thunderstorm Winds
									Power lines were downed and a mobile home was overturned in Bobtown in Duncer Township. The roof was blown off a house in Dilliner.
Fayette County 12 SE Uniontown	09	195EST			0	0	0	0	Funnel Cloud
									A pilot reported a funnel cloud over Farmington.
Westmoreland County 13 S Greensburg	09	1945EST			0	0	3	0	Thunderstorm Winds
									Trees and power lines were blown down in Mt. Pleasant and a frame garage collapsed in Buckeye.
Indiana County	09	1945EST			0	0	0	0	Thunderstorm Winds
									Large trees and power lines were downed throughout the county.
Somerset County 9 SW Somerset 21 W Somerset	09	1947EST			0	0	3	0	Thunderstorm Winds
									Eight trees were damaged and a storage shed destroyed in New Lexington. Trees were downed in Confluence.
Fayette County 12 SE Uniontown 14 NE Uniontown	09	1959EST			0	0	0	0	Thunderstorm Winds
									Telephone poles were downed in Farmington and trees were blown down in Dawson, Normalville, and southern Connellsville.
Somerset County Somerset	09	1952EST			0	0	3	0	Thunderstorm Winds
									Sixty-two-mph gusts blew the roof off a porch and a tree fell on an automobile.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

PENNSYLVANIA, Western Cont'd

18 NE Somerset	09	2000EST			0	0	5	0	Thunderstorm Winds
<p>In Holsopple, seven 60-foot trees were blown down with one tree falling on a shed. In Jennerstown and Central City, bricks were blown out of church wall and trees were blown down. A 40- by 80-foot rear wall of a concrete building was blown down and a chimney destroyed in Thomas Mills.</p>									
17 S Somerset	09	2005EST			0	0	5	0	Thunderstorm Winds
<p>The roof of a high school was partly blown off in Salisbury.</p>									
Westmoreland County 20 SE Greensburg	09	2005EST			0	0	0	0	Thunderstorm Winds
<p>Fallen trees blocked Route 30 east of Ligonier.</p>									
Cambria County 6 SW Johnstown	09	2008EST			0	0	0	0	Funnel Cloud
<p>A funnel cloud was reported 6 miles southwest of Johnstown.</p>									
8N Ebensburg	09	2010EST			0	0	3	0	Thunderstorm Winds
<p>A mobile home was shifted off its foundation in Carrolltown.</p>									
Somerset County 7 N Somerset	09	2010EST			0	0	0	0	Funnel Cloud
<p>A funnel cloud was reported 7 miles north of somerset in Hooversville.</p>									
Bedford County 3 E Bedford	09	2010EST			0	0	?	0	Thunderstorm Winds
<p>Structural damage occurred to the State Police Building along Route 30 3 miles east of Bedford.</p>									
Cambria County Johnstown	09	2018EST- 2021EST	2.0	100	0	0	5	0	Torando (F1)
<p>In Johnstown, many 60-foot trees were downed as well as 30 utility poles snapped off. Large trees were also down in Westmont section of Johnstown. Part of an apartment complex roof was blown off in Johnstown.</p>									
Fayette County 15 NW Uniontown	09	2020EST- 2021EST	0.5	50	0	0	5	0	Tornado (F1)
<p>In Tower Hill, two 45- by 35-foot garages were picked up and hurled 70 feet. Eight 60-foot pine trees were pulled up. A barn was destroyed, and trees were down throughout county.</p>									
Blair County 18 S Altoona 10 S Altoona	09	2025EST			0	0	5	0	Thunderstorm Winds
<p>Large trees were down near Cottontown. Four silos were blown down in McKee.</p>									
Somerset County 11 SE Somerset	09	2030EST			0	0	3	0	Thunderstorm Winds
<p>A 50-foot tree fell on house in Roxbury.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

PENNSYLVANIA, Western Cont'd

Cambria County 4 SE Johnstown	09	2030EST- 2031EST	0.5	50	0	0	3	0	Torando (F1)
A Geistown hotel roof was blown off and a brick chimney knocked down.									
Clearfield County Dubois 13 S Clearfield	09	2030EST			0	0	4	0	Thunderstorm Winds
In Sandy Township, 15 trees were uprooted near Dubois and extensive damage was done to a house in Litledale by falling trees. Many trees were also blown down in Madera.									
Bedford County 11 N Bedford	09	2030EST			0	0	4	0	Thunderstorm Winds
A mobile home was rolled over and flattened in New Buena Vista.									
6 E Bedford	09	2035EST			0	0	0	0	Thunderstorm Winds
An 80-mph gust was reported in Everett.									
18 SW Bedford	09	2035EST			0	0	3	0	Thunderstorm Winds
A carport roof was damaged and trees were downed in Hyndman.									
11 N Bedford	09	2040EST- 2041EST	0.5	100	0	0	4	0	Tornado (F1)
A barn was destroyed in Osterburg.									
Bedford	09	2040EST- 2042EST	1.0	100	0	0	5	0	Tornado (F1)
Large trees were snapped off 10 to 15 feet above the ground and roofs were blown off three homes in Bedford. Fifty to sixty trees were blown down. This was the worst storm in 20 years.									
Clearfield County	09	2054EST			0	0	0	0	Thunderstorm Winds
Many trees were blown down throughout the county.									
Cambria County 9 N Ebensburg	09	2100EST- 2102EST	1.0	100	0	0	5	0	Tornado (F1)
The tornado sighted in Carrolltown roofs off several homes as well as causing damage to other homes. Many trees and wires were also blown down.									
Bedford County 20 NE Bedford	09	2100EST- 2101EST	0.5	50	0	0	4	0	Tornado (F1)
In Saxton, two trees fell on houses causing damage to roofs, porches, and decks.									
Jefferson County Brookville	09	2120EST			0	0	0	0	Thunderstorm Winds
Power lines were blown down in Brookville.									
PAZ015 Southwestern	10	0945EST			0	0	0	0	High Winds
Sewickley Heights (Allegheny County) reported wind gusts to 54 mph.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROD'S	

PENNSYLVANIA, Western Cont'd

PAZ003 Western	10	1000EST			0	0	3	0	High Winds
									A roof was blown off a mobile home in Leechburg.
PAZ005 Laurel Mountains	10	1015EST			0	0	0	0	High Winds
									Eastern Westmoreland County had reports of power outages from downed wires.
PAZ015 Southwestern	10	1030EST			0	0	4	0	High Winds
									Homes in Robinson Township (Allegheny County) sustained roof damage.
PAZ001 Eric Lakeshore	15	1530EST			0	0	0	0	High Winds
									Trees were blown down along Route 22 and Ridge Avenue in Fairview.
McKean County Smethport	28	1906EST			0	0	0	0	Flash Flood
									Basements were flooded and roads were closed in Smethport.
24 SW Smethport	28	1920EST			0	0	0	0	Flash Flood
									Main street in Kane, including sidewalks was flooded.
Smethport	28	1930EST			0	0	0	0	Flash Flood
									All roads into Smethport were closed; 1 to 2 feet of water was flowing down the streets. Basement flooding also occurred. The flooding lasted until 2200 EST.
Crawford County 12 NE Meadville	28	2330EST			0	0	0	0	Hail (0.75)
									Three-quarter-inch hail was reported on the northeastern side of Cambridge Springs.
Crawford County 15 NE Meadville	28	2345EST			0	0	0	0	Hail (0.75) Thunderstorm Winds
									Three-quarter-inch fell hail at Drakes Mills, 3 miles north of Cambridge Springs. Large tree limbs were also blown down.

RHODE ISLAND

RIZALL	21	1130EST- 1600EST			0	0	5	0	High Wind
									A "nor'easter" produced gale force winds and heavy rain. Gusts reached 40 to 60 mph across the state resulting in scattered power outages from falling trees and limbs.
RIZALL	21	0600EST- 1600EST			0	0	0	0	Heavy Rain
									A "nor'easter" produced heavy rain which resulted in minor urban flooding in many locations. Rainfall generally ranged between 2 and 3 inches.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

SOUTH CAROLINA

Greenville County West Greenville	08	1825EST			0	0	1	0	Thunderstorm Winds (60)
Oconee County Near Walhalla	08	1946EST			0	0	1	0	Thunderstorm Winds
Spartanburg County Pauline	08	2200EST			0	0	?	?	Hail (1.00)

Marginally severe thunderstorms produced minor damage and some large hail in a few places. There were numerous thunderstorms, but most remained below severe intensity.

Oconee County Westminister	10	0020EST			0	0	4	0	Lightning
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Lightning struck the top of a two-story home, setting the attic ablaze. Damage was confined to the attic and a bedroom. Fortunately, no one was home when the incident occurred. Total damages were estimated at \$20,000.

Saluda County 12.5 NE Saluda	10	0030EST			0	0	?	0	Thunderstorm Winds
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Thunderstorm winds blew the top (weighing 300 to 400 pounds) off a pump house. Also, trees were downed and power knocked out.

Edgefield County Edgefield	10	0030EST			0	0	?	?	Thunderstorm Winds
Johnston and Vicinity	10	0030EST			0	0	?	?	Thunderstorm Winds
10 S Trenton	10	0031EST			0	0	4	0	Lightning

A severe thunderstorm moved through eastern Edgefield County, downing trees, blowing roofs off mobile homes, and littering roadways. On Secondary Road 240, 10 miles south of Trenton, a lightning fire gutted a home causing \$31,000 damage.

Lexington County Irmo	10	0100EST			0	0	?	0	Thunderstorm Winds
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Several large tree limbs were downed and 0.25-inch hail was reported.

Richland County S.C. Hwy 215 and Interstate 20	10	0135EST			0	0	?	0	Thunderstorm Winds
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Several trees were downed in a mobile home park.

Colleton County 1 N of Sidney	17	1410EST			0	0	?	?	Hail (0.75)
Dorchester County Dorchester	17	1445EST			0	0	?	?	Hail (0.75)

Hail was reported just north of Sidney near S.C. Highway 45, and in the town of Dorchester near the Career School.

Hampton County Early Branch	17	Unknown			0	1	0	0	Lightning
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A 15-year-old boy was struck and injured by lightning as he and a friend played in a barn near their home. The other child was not injured.

Jasper County Near Switzerland	19	1100EST			0	0	?	?	Hail (1.50)
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

SOUTH CAROLINA Cont'd

Beaufort County									
Ladys Island	19	1140EST			0	0	?	?	Thunderstorm Winds
Daufuskie Island	19	1305EST			0	0	?	?	Hail (0.75)
Hilton Head Island	19	1315EST			0	0	?	?	Hail (0.75)

In Jasper County, quarter- to walnut-size hail covered the ground just south of Ridgeland near the town of Switzerland. In Beaufort County, trees and power lines were downed on Lady's Island. Also, on Daufuskie and the lower end of Hilton Head Island, thunderstorm winds blew down large limbs and marble- to penny-size hail lasted a few minutes.

Oconee County									
Central and Southern Portions	19	1335EST			0	0	?	?	Hail (1.25)

A severe thunderstorm moved very slowly across Oconee County producing numerous reports of moderate- to large-size hail.

Pickens County									
1 S Table Rock	20	1752EST			0	0	?	?	Hail (0.75)
Greenville County									
Greer	20	1810EST			0	0	?	?	Hail (0.75) Lightning

Pickens County									
Daucusville	20	1815EST			0	0	?	?	Hail (1.00)
Laurens County									
Durbin Creek	20	1933EST			0	0	?	?	Hail (0.75)

A few severe thunderstorms developed in the mountains and moved south across the foothills and piedmont producing tremendous lightning displays and a few reports of large hail.

Charleston County									
Awendaw	28	1400EST			0	0	3	0	Thunderstorm Winds

Thunderstorm winds blew down trees and limbs into power lines knocking out power to several hundred customers.

Oconee County									
Westminister	28	1740EST			0	0	3	?	Thunderstorm Winds
Anderson County									
Anderson	28	1745EST			0	0	3	0	Thunderstorm Winds
Pickens County									
Central and Clemson	28	1755EST			0	0	3	0	Thunderstorm Winds
Greenwood County									
Ware Shoals	28	1840EST			0	0	?	?	Thunderstorm Winds
Laurens County									
Mountville	28	1900EST			0	0	0	0	Funnel Cloud

Thunderstorms quickly became severe in a few areas, but most of the effects were wind gusts in the lower range of severe intensity. Damage was confined to downed trees and power lines. A twin funnel was observed and tracked by the law enforcement officials, but was high based and dissipated after a short period.

Oconee County									
2 NW Townville	29	1555EST			0	0	?	?	Hail (1.75)
Anderson County									
Townville	29	1557EST			0	0	?	?	Hail (1.75)
1 E Pendletown	29	1615EST			0	0	?	?	Hail (2.75)
Pickens County									
3 S Liberty	29	1628EST			0	0	?	?	Hail (1.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K	I	P	C	

SOUTH CAROLINA Cont'd

Lexington County Batesburg	29	1730EST			0	0	?	0	Hail (1.00)
One-inch-size hail was reported in Batesburg.									
Spartanburg County Cooley Springs	29	1745EST			0	0	?	?	Hail (1.75)
Greenwood County Greenwood	29	1800EST			0	0	4	?	Hail (1.75)
Vicinity Countywide	29	1810EST- 1915EST			0	0	0	0	Thunderstorm Winds Funnel Clouds
Ninety Six Spartanburg County	29	1817EST			0	0	?	?	Hail (1.75)
Woodruff	29	1820EST			0	0	?	?	Thunderstorm Winds
Enoree	29	1820EST			0	0	?	?	Hail (0.75)
Enoree and Pacolet	29	1820EST			0	0	0	0	Funnel Cloud
Saluda County Ridge Springs	29	1830EST			0	0	?	0	Hail (1.75)
Greenwood County Promised Land	29	1835EST			0	0	?	?	Hail (1.75)
Cherokee County Corinth	29	1851EST			0	0	?	0	Lightning
Greenville County Greenville and Simpsonville	29	1900EST- 2200EST			0	0	?	0	Flash Flood
Spartanburg County Cooley Springs	29	1900EST			0	0	?	0	Flash Flood
Newberry County Between Prosperity and Whitmire	29	1900EST			0	0	?	?	Thunderstorm Winds
Greenwood County 1 W Lake Greenwood Dam to 0.875 W Lake Greenwood Dam	29	1915EST	0.125	20	0	0	3	?	Tornado (F0)
One of the funnel clouds, observed over Greenwood County, touched down near Dyson, but was weak and only caused minor damage - mostly to trees and power lines.									
Newberry County Countywide	29	1930EST			0	0	0	0	Funnel Cloud
Countywide	29	1935EST			0	0	?	?	Thunderstorm Winds
Union County Santuck	29	1940EST			0	0	4	?	Thunderstorm Winds
Chester County Chester	29	2025EST			0	0	?	0	Thunderstorm Winds
York County Fort Mill Township	29	2030EST			0	0	3	?	Thunderstorm Winds (G55)
Kershaw County 3 N Camden	29	2130EST			0	0	?	?	Thunderstorm Winds

April 29 was the most active severe-weather day in the upstate and eastern piedmont since the summer of 1990. The severe thunderstorms produced very large hail in the western counties before moving across the northern tier of the upstate counties. There were a number of reports of hail below severe intensity, in addition to those listed.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K I L L I N G	I N J U R I E D	P R O P E R T Y	C R O S S	

SOUTH CAROLINA Cont'd

The storms over Greenwood lasted for several hours. The wind blew off part of the roof of a restaurant onto a car causing damage. During the most intense storms, many funnels were sighted and there were multiple hail events. Several of the funnels were legitimate and were followed by law enforcement officials for some time. Thunderstorm winds downed trees and power lines near Woodruff and Santuck, and large hail fell at Enoree. Rainfall was very heavy in some areas because of the repeating nature of the storms. This caused flash flooding in Greenville and northern Spartanburg Counties. Several bridges were under water around Cooley Springs and the Reedy River crested about nine feet. Creeks overflowed west of Simpsonville onto West Georgia Road.

In the Eastern Piedmont, Newberry County suffered the most damage as thunderstorm winds knocked down trees along S.C. Highway 121, causing power outages from Prosperity to Whitmire. Also, in Newberry County, there were widespread downed trees and power outages. In Chester, Kershaw, and York Counties, trees were blown down. In Fort Mill, the downed trees blocked roads. The Catawba Nuclear Station reported wind gusts to 55 knots.

Hampton County 1 N Yemassee	30	1309EST			0	0	?	?	Hail (0.75)
Colleton County 3 NW Jacksonboro	30	1315EST			0	2	0	0	Lightning
Walterboro	30	1320EST			0	0	?	?	Hail (0.75) Thunderstorm Winds (G65)

Two people were struck by lightning on S.C. Highway 303 near Jacksonboro.

Horry County 3 W Conway	30	1350EST			0	0	?	?	Hail (0.75) Thunderstorm Winds (G45)
7 W Conway	30	1400EST			0	0	?	?	Hail (1.50)
Beaufort County Lobeco	30	1405EST			0	0	?	?	Hail (1.00)
Jasper County 2 S Hardeeville	30	1425EST			0	0	?	?	Hail (1.00)
Beaufort County Gray's Hill	30	1435EST			0	0	?	?	Thunderstorm Winds
Berkeley County 1 W St. Stephens	30	1600EST			0	0	?	?	Hail (1.00)
Charleston County Mount Pleasant	30	1730EST			0	0	5	0	Lightning

In Hampton County, 0.50- to 0.75-inch hail was reported by a spotter just north of Yemassee along S.C. Highway 68. In Colleton County, in addition to the two people struck by lightning, 0.75-inch and smaller hail along with winds to 65 knots were reported by a Walterboro radio station. Trees were downed along S.C. Highway 303. Small hail, 0.50-inch was reported along U.S. Highway 17A, and S.C. Highways 303 and 6 between 1315 EST and 1325 EST. In Horry County, 0.50- to 0.75-inch hail was reported near Conway, off U.S. Highway 701. Winds at that location were estimated at 45 knots. Also, in Horry County, hail up to 1.50 inch, was reported at Highway 501 and Lambert's Crossing. In Beaufort County, large hail, up to 1.0 inch size was reported by Emergency Medical Service at the town of Lobeco. Trees were blown down in the Gray's Hill area of Beaufort County. In Berkeley County, the public reported 0.75- to 1.0-inch hail along S.C. Highway 45 between St. Stephens and the Russellville Turnoff. No wind damage was reported at the Berkeley County location. At Mount Pleasant, in Charleston County, lightning struck the roof of a 2.5-story wood frame home on Wharf Indigo Street, causing approximately \$150,000 in damage. No one was home when the fire occurred.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

SOUTH DAKOTA

South Dakota 10 1800CST-
15 2000CST

A slow-moving storm moved across South Dakota early in the evening Wednesday, the 10th through Monday the 15th. Most of the damage occurred on Thursday, the 11th, through Saturday morning, the 13th. Western through north-central South Dakota received heavy wet snow on the 10th through the 12th. During this same period, this storm produced freezing rain mixed with wet snow over the northeastern part of South Dakota. Areas of dense fog and periods of very strong winds created problems and damage over eastern South Dakota on the 11th and 12th.

SDZ006-007-008 10 2300CST-
Black Hills 12 1200CST 0 ? 4 0 Heavy Snow

Heavy snow fell in the Black Hills and surrounding plains areas from late evening on the 10th through mid-day on the 12th. Six to 20 inches of snow were reported in the Black Hills and surrounding areas as this storm moved through the area. Seven inches were reported at Lead, 9 inches at Rapid City, and from 14 to 20 inches were common reports in the Black Hills. There were 40 minor car accidents reported in Rapid City on the 11th as a result of slippery roads.

SDZ003-004- 11 0000CST-
005-010 12 1500CST 0 ? 5 0 Glaze and Winds
Central to
Northeast

The north-central and northeastern parts of South Dakota were struck with a mixture of wet snow, freezing rain, and strong winds. From 100 to 300 power poles were downed. Spokesmen for the power companies reported this storm was the worst electricity outages and power pole losses in 30 years. Some areas were without power for up to a day. While many other customers in more rural areas were without power from the 12th through the 17th.

SDZ016-020 11 1200CST-
Southeastern 12 1900CST 0 0 5 0 Strong Winds

The storm kicked up strong winds in eastern South Dakota on the afternoon of the 11th, through the evening of the 12th. Winds gusted up to 70 mph in places across the area. Many sheds, outbuildings, and solid metal fences were blown over.

Codington County 13 0930CST 2 6 4 0 Dense Fog
8 S Watertown

Two women died in a head-on car accident 8 miles south of Watertown due to heavy fog. Six other people were injured when they were involved in separate traffic accidents that occurred around the same time.

Clark County 14 1200CST-
Garden City 2000CST 0 0 4 0 Ice Melt Damage

Thawing ice on a television tower fell onto the buildings below resulting in damage to roofs and buildings below. The ice was a result of a freezing rain on the 11th and 12th. Officials estimated the damage at \$35,000 to \$40,000.

Pennington County 26 0520CST 0 0 4 0 Lightning
Rapid City

An early morning thunderstorm produced a lightning bolt that pierced the roof of a garage at a Rapid City resident's home. The damage from the lightning strike and the resulting fire ruined the garage. Repairs were estimated at around \$5,000.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

SOUTH DAKOTA Cont'd

Brule County Chamberlain and Kimball	26	1515CST- 1530CST			0	0	0	0	Hail (1.75-2.75)
Buffalo County 15 SE Stephan	26	1545CST			0	0	0	0	Hail (0.75)
Hand County 11 W Wessington	26	1600CST			0	0	0	0	Hail (1.75)
Jerauld County 11 WSW Wessington Springs	26	1600CST			0	0	0	0	Hail (1.75)
Gregory County Fairfax	26	1630CST			0	0	0	0	Hail (0.88)
Charles Mix County Geddes	26	1640CST			0	0	0	0	Hail (0.75)
Spink County Redfield	26	1703CST			0	0	0	0	Hail (0.75)
Brown County Ferney	26	1745CST			0	0	0	0	Hail (0.75)
Groton	26	1800CST			0	0	0	0	Hail (0.75)
Beadle County Huron	26	1800CST			0	0	0	0	Hail (0.75)
SDZ001-002-006- 008-009-013-014 Western	27	0800CST- 2000CST			0	0	?	0	High Winds

An intense low-pressure system moved very slowly eastward through eastern South Dakota. Northerly winds blew at 40 to 60 mph throughout the day across the western part of the state.

SDZ001-002-003- 006, Northwestern and North-Central	28	0800CST- 1900CST			0	0	?	0	High Wind
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An intense low-pressure system continued to move slowly eastward out of eastern South Dakota. Strong northerly winds, gusting to 65 mph, blew throughout the day over northwest and north central South Dakota.

TENNESSEE

Shelby County East Memphis	07	1715CST			0	0	3	0	Thunderstorm Winds
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Five cars were damaged at the Radisson Ridgeway Hotel in East Memphis. Window damage occurred to several shuttle vans at the Omni Memphis Hotel due to hail.

Knox County Knoxville	08	1655CST			0	0	3	0	Thunderstorm Winds
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Numerous trees fell down in the Knoxville area causing several power outages and blocking several roads.

Shelby County 6 NNW Memphis	09	0905CST			0	0	0	0	Hail (0.75)
Memphis Intl. Airport	09	0905CST			0	0	0	0	Thunderstorm Winds (G60)
Raleigh	09	0910CST			0	1	5	0	Thunderstorm Winds
Millington Naval Station	09	0914CST			0	0	0	0	Hail (1.75)
Madison County Northern Portion	09	0918CST			0	0	0	0	Thunderstorm Winds (G68)
Tipton County	09	0920CST			0	0	0	0	Hail (0.75)
Covington	09	0925CST			0	0	0	0	Hail (0.75)
Carroll County	09	0925CST			0	0	3	0	Thunderstorm Winds (G61)
Bruceton	09	0940CST			0	0	0	0	Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TENNESSEE Cont'd

Fayette County	09	0950CST			0	0	3	0	Thunderstorm Winds
Madison County			0.25	10					
Westover	09	1000CST			0	0	3	0	Tornado (F0)
Haywood County	09	1000CST			0	0	3	0	Thunderstorm Winds
Weakley County									
Dresden	09	1000CST			0	2	3	0	Thunderstorm Winds
Crockett County	09	1010CST			0	0	3	0	Thunderstorm Winds
Madison County									
McKellar Field	09	1012CST			0	0	3	0	Thunderstorm Winds (G62)
Hardeman County									
Whiteville	09	1016CST			0	0	2	0	Thunderstorm Winds
Haywood County	09	1016CST			0	0	2	0	Thunderstorm Winds
McNairy County	09	1020CST			0	0	3	0	Thunderstorm Winds
Madison County									
Southern Portion	09	1025CST			0	0	3	0	Thunderstorm Winds
Crockett County									
Southern Portion	09	1025CST-			0	0	0	0	Hail (0.75)
		1025CST			0	0	3	0	Thunderstorm Winds
Chester County	09	1030CST			0	0	4	0	Thunderstorm Winds
Gibson County	09	1030CST			0	0	5	0	Thunderstorm Winds
Henderson County	09	1037CST			0	2	5	0	Thunderstorm Winds
Carroll County									
Clarksburg	09	1040CST			0	0	3	0	Thunderstorm Winds
Big Buck	09	1040CST							Hail (0.75)
McNairy County	09	1040CST			0	0	3	0	Thunderstorm Winds
Weakley County	09	1050CST			0	2	3	0	Thunderstorm Winds
Decatur County	09	1055CST			0	0	0	0	Hail (0.75)
Benton County									
Southern Portion	09	1055CST			0	0	2	0	Thunderstorm Winds
Carroll County	09	1055CST			0	0	2	0	Thunderstorm Winds
Hardin County	09	1100CST			0	0	3	0	Thunderstorm Winds
Decatur County	09	1100CST			0	0	4	0	Thunderstorm Winds
Henry County	09	1110CST			0	0	3	0	Thunderstorm Winds
Houston County	09	1120CST			0	0	5	0	Thunderstorm Winds
Montgomery County	09	1145CST			0	0	4	0	Thunderstorm Winds
Hickman County	09	1145CST			0	0	3	0	Thunderstorm Winds
Maury County	09	1150CST			0	0	4	0	Thunderstorm Winds
Giles County	09	1155CST			0	0	3	0	Thunderstorm Winds
Dickson County									
Countywide	09	1155CST			0	0	0	2	Funnel Cloud
Eastern Portion	09	1157CST			0	0	4	0	Thunderstorm Winds
Cheatham County									
Kingston Springs	09	1157CST			0	0	5	0	Thunderstorm Winds
Williamson County									
Fairview	09	1200CST			0	0	4	0	Thunderstorm Winds
Davidson County									
Nashville Airport	09	1200CST			0	0	0	0	Thunderstorm Winds (G58)
Robertson County	09	1205CST-							Funnel Cloud
		1205CST			0	3	6	0	Thunderstorm Winds
Summer County	09	1210CST			0	0	4	0	Thunderstorm Winds
Davidson County									
Eastern Nashville	09	1212CST			0	0	0	0	Hail (1.75)
Nashville	09	1216CST			0	4	4	0	Thunderstorm Winds
Rutherford County									
Smyrna	09	1218CST			0	2	4	0	Thunderstorm Winds
Macon County	09	1220CST			0	0	4	0	Thunderstorm Winds
Wilson County									
Mt. Juliet									
Tucker's	09	1220CST			0	0	0	0	Funnel Cloud
Crossroads									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TENNESSEE Cont'd

Wilson County Lebanon	09	1225CST			0	3	5	0	Thunderstorm Winds
Overton County Livingston	09	1300CST			0	0	3	0	Thunderstorm Winds
Cumberland County	09	1400CST			0	1	0	0	Lightning
Fentress County	09	1410CST			0	0	4	0	Thunderstorm Winds
Morgan County Petros	09	1425CST			0	0	3	0	Thunderstorm Winds
Anderson County Oak Ridge	09	1430CST			0	0	4	0	Thunderstorm Winds
Hamilton County Chattanooga	09	1430CST			0	1	0	0	Lightning
Cocke County	09	1500CST			0	0	3	0	Thunderstorm Winds
Blount County	09	1505CST			0	0	3	0	Thunderstorm Winds
Jefferson County New Market	09	1545CST			0	0	4	0	Thunderstorm Winds
Hamblen County Morristown	09	1600CST			0	0	5	0	Thunderstorm Winds
Greene County	09	1610CST			0	0	4	0	Thunderstorm Winds
Sullivan County	09	1615CST			0	0	0	0	Hail (1.75)
Bristol	09	1617CST			0	0	4	0	Thunderstorm Winds (G55)
Washington County	09	1621CST			0	0	4	0	Thunderstorm Winds
Hawkins County	09	1620CST			0	0	3	0	Thunderstorm Winds
Unicoi County Love Station	09	1620CST			0	0	4	0	Thunderstorm Winds
Carter County Elizabethton	09	1630CST			0	0	4	0	Thunderstorm Winds

Severe thunderstorms produced widespread damage, and numerous reports of downed trees and power lines were received throughout the state. Many large buildings lost part or all of their roofs. Downtown Memphis received quite a bit of damage as well as the Memphis Motorsports Park. Some street flooding occurred in the Covington area. Two injuries were reported in Henderson County where one woman was injured while in her mobile home and a second person was struck by a tree. An auto accident, caused by the severe thunderstorms, injured two people in Keakley County. Four people were injured in the Nashville area; two people were injured when a tree fell on them, one was injured when a carport fell on her, and the fourth person recieved only minor injuries. Two construction workers were injured when winds tore down part of a wall at a construction site in Smyrna. Three persons were injured in Wilson County, two of them when their car flipped over a telephone pole that fell on the road. There were three injuries in Robertson County as well; one was injured when a building collapsed near Cross Plain. In Sumner County, three transmission towers were knocked down and three others were badly damaged. Two persons were injured when they were struck by lightning, one person was struck in Cumberland County and the other person was struck in the Chattanooga area. A large gazebo was knocked down in downtown in Bristol.

Humphreys County Western Portion	09	1100CST			0	0	4	0	Thunerstorm Winds
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Numerous trees and power lines were knocked down. A van was flipped over on Interstate 40 due to the winds.

Perry County	09	1100CST			0	0	2	0	Thunderstorm Winds
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A few trees were knocked down.

Clay County	09	1245CST			0	0	3	0	Thunderstorm Winds
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Several trees were knocked down and some roof damage occurred.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TENNESSEE Cont'd

Jackson County Northern Portion	09	1245CST			0	0	2	0	Thunderstorm Winds
									Several trees were knocked down.
Overton County Southern Portion	09	1330CST			0	0	2	0	Thunderstorm Winds
									A fee trees were knocked down.
Shelby County Millington	12	1100CST			0	0	5	0	Thunderstorm Winds
									Part of the auditorium roof at the Millington Central High School blew off. The roof was recently damaged by the thunderstorms that occurred on April 9th.
Collierville	13	2100CST			0	0	5	0	Thunderstorm Winds
									Three homes, under construction, were heavily damaged.
Obion County Union City	14	2300CST			0	0	3	0	Thunderstorm Winds
									Several trees were downed; one tree demolished a small garage.
Shelby County Downtown Memphis	14	0100CST			0	0	4	0	Thunderstorm Winds
									There was damage to Mud Island recreation area.
Raleigh Millington	14	1820CST			0	0	3	0	Flooding
Fayette County Between Piperton and Rossville	14	1910CST			0	0	2	0	Flooding
									Parnell Road was covered by 4 to 5 feet of water.
Hardin County Savannah	18	1700CST			0	0	2	0	Thunderstorm Winds
									A large oak tree limb fell.
Franklin County	29	0700CST			0	0	2	0	High Winds
									Several trees were downed.
Warren County McMinnville	29	0615CST			0	0	4	0	Thunderstorm Winds
									Numerous buildings were damaged.
McMinnville	29	0715CST			0	0	4	0	High Winds
									Numerous buildings were damaged.
Knox County Eastern Portion	29	0930CST			0	3	3	0	Thunderstorm Winds
									Several homes were evacuated when a tree knocked out a gas meter.
Hawins County	29	1655CST			0	3	3	0	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TENNESSEE Cont'd

Homes sustained roof damage and trees were downed.

Sullivan County	29	1700CST			0	0	4	0	Thunderstorm Winds
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Roof damage occurred to several homes.

TEXAS, Northern

Wichita County									
1 S Burkburnett	02	1657CST			0	0	0	0	Hail (1.75)
1 S Burkburnett	02	1740CST			0	0	0	0	Hail (0.75)
1 E Burkburnett	02	1749CST			0	0	0	0	Hail (0.88)
Iowa Park	02	1800CST			0	0	2	0	Hail (1.75)
Burkburnett	02	1800CST			0	0	0	0	Hail (1.75)
Electra	02	1800CST			0	0	0	0	Hail (0.75)
1 SW Burkburnett	02	1839CST			0	0	0	0	Hail (0.75)
1 W Burkburnett	02	1852CST			0	0	0	0	Hail (0.88)
Burkburnett	02	1855CST			0	0	4	0	Hail (2.75)

At Iowa Park, golf ball-size hail shattered the windshields of a police patrol car. In Burkburnett at 1855 CST, baseball-size hail shattered windows of homes and damaged automobiles.

Clay County									
Thornberry	02	1820CST			0	0	3	0	Hail (1.75)
									Thunderstorm Winds
Charlie	02	1824CST			0	0	0	0	Hail (1.75)
Byers	02	1943CST			0	0	0	0	Hail (1.00)
Byers	02	1953CST			0	0	0	0	Hail (1.75)

At Thornberry, golf ball-size hail knocked out windows and strong winds blew down six utility poles.

Grayson County									
Gordonville	02	2300CST			0	0	0	0	Hail (1.75)
Cooke County									
5 N Gainesville	02	2350CST			0	0	0	0	Hail (2.00)
Haskell County									
Rule	10	1950CST			0	0	0	0	Hail (0.75)
5 N Haskell	10	2105CST			0	0	0	0	Hail (1.75)
Throckmorton									
13 W	10	2137CST			0	0	0	0	Hail (1.00)
Young County									
2 W Newcastle	10	2340CST			0	0	0	0	Hail (0.75)
1 W Newcastle	10	2352CST			0	0	0	0	Hail (0.75)
Northern Texas									
		11-14							

Clusters of severe thunderstorms produced large hail, damaging bursts of wind, flash flood-producing rainfall, and several tornadoes in the moist and unstable airmass over north Texas. The strongest thunderstorms developed mainly in advance of a surface dry line that extended from the eastern Texas panhandle to the Big Bend area. While the dry line remained nearly stationary over west Texas each day, old thunderstorm boundaries served as the primary focus for the development of severe thunderstorms from the afternoon of April 11th through the 14th.

Harrison County	11	0630CST-1400CST			0	0	0	0	Flash Flooding
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Several automobiles were washed out on parts of US Highway 59 where high water was observed at 5 feet deep in some sections. High water up to 3 feet deep was observed on US Highway 59 and US Highway 80 near Marshall.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

Erath County								
Stephenville	11	1755CST			0	0	0	Hail (1.75)
	11	1800CST			0	0	0	Hail (0.75)
Parker County								
2 SE Springtown	11	1815CST			0	0	0	Hail (0.75)
McLennan County								
4 NW China Springs	11	1820CST			0	0	1	Thunderstorm Winds
					0	0	0	Hail (0.75)

Strong winds blew down large tree limbs.

Denton County								
Krum	11	1934CST			0	0	3	Thunderstorm Winds (G78)
3 W Krum	11	1940CST			0	0	4	Thunderstorm Winds
Bolivar	11	1945CST			0	0	3	Thunderstorm Winds
Sanger	11	1950CST			0	0	4	Thunderstorm Winds (G65)
Denton	11	2000CST			0	0	4	Thunderstorm Winds
Sanger	11	2100CST- 2300CST			0	0	0	Flash Flooding

At Krum, winds estimated at 90 mph uprooted trees, damaged roofs, and blew down fences and power lines. Strong winds also destroyed a barn, damaged several outdoor buildings, and blew down power lines 3 miles west of Krum and blew down several utility poles in Bolivar. In Sanger, winds estimated at 75 mph overturned one vehicle, lifted the roof off a home, blew down trees, and damaged a barn. In Denton, strong winds destroyed a house under construction and lifted the roof off a mobile home. The Denton Creek overflowed its banks and flooded low-lying areas near Sanger.

Johnson County								
Grandview	11	1951CST			0	0	0	Thunderstorm Winds (G52)
Venus	11	2005CST			0	0	3	Thunderstorm Winds
					0	0	0	Hail (2.50)

Several trees were blown down at Venus.

Hood County								
5 N Granbury	11	2000CST			0	0	0	Thunderstorm Winds (G52)
Ellis County								
Milford	11	2010CST			0	0	0	Hail (0.75)
					0	0	3	Thunderstorm Winds (G52)
Midlothian	11	2025CST						Funnel Cloud

Winds estimated at 60 mph, downed trees down in Milford.

Grayson County								
Sherman	11	2030CST			0	0	0	Hail (0.75)
Collinville	11	2130CST			0	0	3	Thunderstorm Winds (G61)
Whitesboro	11	2145CST			0	0	2	Thunderstorm Winds

In Collinville, winds estimated at 70 mph damaged an outdoor building and blew down street signs and several trees. In Whitesboro, a downburst destroyed a metal outdoor shed.

Dallas County								
	11	2030CST- 0200CST			0	0	5	Flash Flooding
Mesquite	11	2055CST			0	0	6	Thunderstorm Winds
Garland	11	2115CST			0	0	4	Thunderstorm Winds
5 E Dallas	11	2120CST			0	0	4	Thunderstorm Winds
								Hail (0.75)
Dallas	11	2120CST			0	0	4	Thunderstorm Winds
								Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

Heavy rains ranging from 4.50 to 6.30 inches in a 2.5-hour period produced flash flooding along Duck Creek and Mill Branch Creek in Dallas County. Dozens of homes were flooded, several automobiles and bridges were washed out, and an automobile dealership in Garland sustained \$200,000 worth of high water damage to 60 vehicles and several buildings. In Mesquite, a downburst ripped the roof off a couple of homes, damaged approximately 50 homes and five businesses, and blew down power lines and trees. In Garland, a large downburst lifted the roof off of several homes and a high school gymnasium, overturned two vehicles, damaged approximately 190 homes, 18 businesses, 56 automobiles, one city building, and blew down several carports, patio awnings, and street signs. At 5 miles east of Dallas, strong winds blew down several street signs, fences, trees, and power lines. In Dallas, a downburst overturned a construction trailer. Total damage was estimated at \$3.5 million in Dallas County.

Tarrant County

Benbrook	11	2129CST	0	0	0	0	Hail (0.75)
Fort Worth	11	2130CST	0	0	3	0	Thunderstorm Winds
Countywide	11	2130CST- 2330CST	0	0	0	0	Flash Flooding

Strong winds blew power lines down in Fort Worth. Heavy rains of 3.40 inches in 1.5 hours produced high water up to 3 feet in depth over several roadways in Tarrant County and stalled approximately five automobiles.

Collin County

Branch	11	2230CST	0	5	5	0	Thunderstorm Winds
Culleoka	11	2230CST	0	4	5	0	Thunderstorm Winds
Countywide	11	2300CST- 12 0100CST	0	0	0	0	Flash Flooding

In Branch, a downburst downed several trees, destroyed four mobile homes, and damaged an additional 15 mobile homes at the Branch Acres Mobile Park. In Culleoka, a downburst lifted the roof off of several buildings, damaged 10 mobile homes, destroyed storage sheds, blew down several trees and power lines, and broke windows in several residences. Flying debris also injured several persons at both Branch and Culleoka. Heavy rains, measured at 3.90 inches in a 2-hour period produced widespread flash flooding of several streets, country roads, and low-lying areas.

Bowie County Eastern Portion

	12	0230CST- 0800CST	0	0	0	0	Flash Flooding
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Over 3 inches of rain in a 24-hour period produced high water over most secondary roadways in eastern Bowie County near Texarkana.

Gregg County Longview

	12	0500CST	0	0	4	0	Thunderstorm Winds
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Strong winds blew down several trees and power lines and produced approximately \$25,000 damage to a school.

Harrison and Panola Counties

	12	0800CST- 1400CST	0	0			Flash Flooding
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Heavy rains of 3 to 5 inches in a 24-hour period resulted in the flash flooding of numerous secondary roadways and low-lying areas with water up to several feet deep in some areas.

Erath County

1 S Stephenville	12	1448CST	0	0	0	0	Hail (1.00)
Stephenville	12	1500CST	0	0	0	0	Hail (1.00)
8 NE Stephenville	12	1515CST	0	0	0	0	Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

Hood County									
4 S Granbury	12	1557CST			0	0	0	0	Hail (0.75)
Tolar	12	1605CST			0	0	0	0	Hail (1.75)
7 S Granbury	12	1610CST			0	0	0	0	Hail (1.00)
4 S Granbury	12	1637CST			0	0	0	0	Hail (1.75)
Somervell County									
4 NW Glen Rose	12	1623CST			0	0	0	0	Funnel Cloud
3 NW Glen Rose	12	1636CST			0	0	0	0	Hail (0.75)
3 N Glen Rose to	12	1640CST	2	100	0	0	5	0	Tornado (F2)
1 N Rainbow		1650CST			0	0	0	0	Hail (2.75)
4 NW Glen Rose	12	1644CST			0	0	0	0	Hail (0.75)
1 N Glen Rose to	12	1655CST-							
1 SE Rainbow		1705CST	3	150	0	0	5	0	Tornado (F2)
1 NE Glen Rose	12	1715CST			0	0	0	0	Hail (1.00)
4 E Glen Rose	12	1722CST			0	0	0	0	Hail (4.00)
7 NE Rainbow	12	1724CST			0	0	0	0	Hail (1.75)

A tornado touched down 3 miles north of Glen Rose and moved east. Several trees were uprooted and one mobile home was destroyed. Another tornado touched down 1 mile north of Glen Rose and moved east. The roof was lifted off a restaurant, an amphitheater, and several outdoor buildings. Several automobiles and businesses were damaged and a barn valued at \$12,000 was destroyed.

Johnson County									
8 NE Rainbow	12	1724CST			0	0	0	0	Hail (1.75)
4 N Stanford	12	1730CST			0	0	0	0	Funnel Cloud
Cleburne	12	1732CST			0	0	0	0	Hail (0.75)
6 WSW to	12	1745CST-							
6 SW Bono		1755CST	2	200	0	0	5	0	Tornado (F2)
2 SE Bono	12	1752CST			0	0	0	0	Hail (1.75)
8 W to 7 W	12	1805CST-							
Rio Vista		1810CST	1.5	300	0	0	4	0	Tornado (F2)
1 S Cleburne	12	1829CST			0	0	0	0	Hail (2.75)
1 N Rio Vista	12	1835CST			0	0	4	0	Hail (2.75)
5 SW Cleburne	12	1851CST-							
		1853CST	Short	Narrow	0	0	4	0	Tornado (F2)
Bono	12	1919CST			0	0	0	0	Hail (1.75)
6 NW Cleburne	12	1940CST			0	0	0	0	Hail (0.75)
6 NW Cleburne	12	1941CST	Short	Narrow	0	0	3	0	Tornado (F0)
1 SW Cleburne	12	1953CST			0	0	0	0	Hail (1.75)
3 WSW Rio Vista	12	1955CST-							
		1956CST	Short	Narrow	0	0	4	0	Tornado (F1)
Rio Vista	12	2000CST			0	1	5	0	Thunderstorm Winds
2 S Lillian	12	2000CST			0	0	0	0	Thunderstorm Winds
Cleburne	12	2015CST			0	0	0	0	Hail (1.00)
Johnson County									
Countywide	12	2030CST-							
	13	0000CST			0	0	4	0	Flash Flooding
1 E Grandview	12	2045CST			0	0	0	0	Hail (1.75)
Egan	12	2100CST			0	0	0	0	Hail (1.00)

A tornado touched down 6 miles west-southwest of Bono and moved east. A lime plant and several storage buildings and automobiles were damaged, two automobiles were overturned, and numerous trees were uprooted. A tornado touched down 8 miles west of Rio Vista and moved east. Several trees were snapped and a barn was destroyed. At 1 mile north of Rio Vista, baseball-size hail shattered the windows of several homes, businesses, and automobile windshields. At Lake Pat Cleburne (5 miles southwest of Cleburne), several homes and outbuildings were damaged and numerous trees were snapped. A weak tornado touched down briefly in open country 6 miles northwest of Cleburne. A tornado touched down briefly, 3 miles west southwest of Rio Vista, and snapped several trees. In Rio Vista, strong winds lifted the

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

roof off a gasoline station, blew over several gasoline pumps that ignited a fire, damaged several automobiles by flying debris, and destroyed the bleachers and press box of a high school football field. At 2 miles south of Lillian, a downburst downed several large oak trees. Heavy rains of 4.10 inches measured in a 4-hour period in Cleburne resulted in widespread flash flooding. The Buffalo Creek overflowed its banks and flooded several homes. Numerous roadways, including US Highway 67 near Cleburne, Farm-to-Market Roads 174, 2331, 916, and 1434, were closed due to flooding. Several automobiles were washed off roadways and several homes were flooded in Bono, Alvaredo, and Lillian.

Hill County

3 SE Grandview	12	2055CST			0	0	0	0	Hail (2.50)
Covington	12	2125CST			0	0	4	0	Thunderstorm Winds
Osceola	12	2137CST			0	0	3	0	Thunderstorm Winds
Countywide	12	2200CST-							
	13	0200CST			0	0	0	0	Flash Flooding
Itasca	12	2309CST			0	0	4	0	Hail (1.75)

In Covington, strong winds damaged several buildings and residences. In Osceola, several trees were blown down. Flash flooding was observed over several city and county roadways in Hill County. State Highway 171 was closed due to high water up to 1 foot deep between Parker and Covington. Several motorists were stranded and residences were flooded in low-lying areas along Farm-to-Market Road 67 near Covington. In Itasca, golf ball-size hail shattered the windows of several homes and automobile windshields.

Ellis County

Maypearl	12	2130CST			0	0	0	0	Hail (1.00)
McCulloch County	13	0730CST			0	0	4	0	Thunderstorm Winds

4 S Brady

A downburst destroyed a barn and uprooted several trees.

Mills County

Goldthwaite	13	0800CST			0	0	4	0	Thunderstorm Winds
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A downburst lifted the roof off a motel.

Hamilton County

Hico	13	0800CST- 1100CST			0	0	0	0	Flash Flooding
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Heavy rains produced flash flooding of several creeks, low water crossings, and secondary roads.

Fannin County

Leonard	13	0830CST			0	0	3	0	Thunderstorm Winds
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Strong winds blew down a few trees and damaged an outdoor building.

Bosque County

	13	0900CST-			0	0	0	0	Flash Flooding
	13	1200CST							

Heavy rains measured at 3.16 inches in a 1-hour period, at Meridian, produced flash flooding of creeks, low lying areas and secondary roadways over a large portion of Bosque County.

Hill County

	13	0900CST-			0	0	0	0	Flash Flooding
	13	1500CST							

Heavy rains measured at a rate of 1 inch an hour produced flash flooding of creeks, low-lying areas and secondary roadways over a large portion of Hill County. High water up to several feet deep was observed along Farm-to-Market Road 933.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

Mahoney	13	1100CST			0	0	4	0	Thunderstorm Winds
2 NE Dike	13	1115CST			0	0	4	0	Thunderstorm Winds
Sulphur Bluff	13	1300CST			0	0	4	0	Thunderstorm Winds

In Sulphur Springs, strong winds damaged four businesses, eight residences, overturned a 4,000-pound fuel tank, lifted the roof off a barn, destroyed several outdoor buildings, and downed power lines, street signs, and large tree limbs. In Mahoney, a downburst damaged a grain silo. Strong winds damaged several homes, a church building, and outdoor sheds 2 miles northeast of Dike and at Sulphur Bluff.

Franklin County 4 E Hagansport	13	1145CST			0	0	5	0	Thunderstorm Winds
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Strong winds lifted the roof off a residence, damaged a barn and two residences, and blew down several trees.

Harrison County	13	1200CST- 2100CST			0	0	4	0	Flash Flooding
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Flash flooding was observed over several city and county roads and low-lying areas. High water swept a school bus off of Farm-to-Market Road 451 and damaged the Pottery Village store on south U.S. Highway 59. Several bridges and roadways were washed out on State Highway 80 between Hallsville and Longview.

Red River County 5 NE Fullbright	13	1200CST			0	0	3	0	Thunderstorm Winds
3 SE Detroit to Dimple	13	1210CST- 1234CST	12	100	0	0	5	0	Tornado (F2)
Annona	13	1220CST			0	0	3	0	Thunderstorm Winds
Avery	13	1240CST			0	0	4	0	Thunderstorm Winds
2 N Avery 2 E English	13	1225CST- 1230CST	2.5	200	0	0	4	0	Tornado (F2)

Strong winds blew trees down 5 miles northeast of Fullbright and caused damage to a house in Annona. A tornado touched down 3 miles southeast of Detroit and moved northeast through Bagwell before lifting at Dimple. Several trees were uprooted and numerous mobile homes and barns were destroyed. A downburst destroyed a barn and a cow shed and downed trees in Avery. A tornado touched down 2 miles north of Avery and moved northeast. The roof of a mobile home was lifted off while several trees were blown down.

Bowie, Cass, and Gregg Counties	13	1200CST- 2100CST			0	0	0	0	Flash Flooding
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Heavy rains up to 3 inches in a 6-hour period, resulted in the flash flooding of creeks, low-lying areas, and numerous secondary roadways across Bowie, Cass, and Gregg Counties.

Bowie County New Boston	13	1200CST			0	0	4	0	Thunderstorm Winds
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A downburst destroyed a barn and uprooted several trees.

Marion County	13	1200CST- 2100CST			0	0	0	0	Flash Flooding
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Heavy rains of 3 to 5 inches resulted in flash flooding of creeks, low-lying areas, and several roadways.

Falls County Marlin	13	1200CST			0	0	4	0	Thunderstorm Winds
Reagan	13	1215CST			0	0	0	0	Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

A downburst damaged an equipment barn, a metal building, and two vehicles.

McLennan County
Riesel 13 1219CST 0 0 3 0 **Thunderstorm Winds**

Thunderstorm winds lifted the roof off a carport.

Camp County
Pittsburg 13 1230CST 0 0 3 0 **Thunderstorm Winds**

Strong winds downed several trees.

Hill County
Hillsboro 13 1249CST 0 0 4 0 **Thunderstorm Winds**

A barn and a residence were destroyed due to strong winds.

Bowie County
De Kalb 13 1250CST 0 0 0 0 **Hail (1.00)**
1 W Maud 13 1310CST 0 0 4 0 **Thunderstorm Winds**
6 ESE DeKalb 13 1314CST 0 0 3 0 **Thunderstorm Winds**
Maud 13 1324CST 0 0 3 0 **Thunderstorm Winds**
Wake Village 13 1324CST 0 0 3 0 **Thunderstorm Winds**
Maud 13 1405CST 0 0 4 0 **Thunderstorm Winds**

A downburst uprooted several trees and damaged a residence 1 mile west of Maud. Strong winds blew down trees along US Highway 82 between DeKalb and New Boston (6 miles east-southeast of DeKalb), at Maud at 1324 CST and at Wake Village. A downburst also blew down trees and damaged two residences at Maud at 1405 CST.

Cass County
Almira 13 1315CST 0 0 3 0 **Thunderstorm Winds**
5 W Linden 13 1320CST 0 0 4 0 **Thunderstorm Winds**
2 W Linden 13 1322CST 0 0 0 0 **Hail (1.00)**

At Almire, strong winds blew several trees down and onto mobile homes 5 miles west of Linden.

Marion County
Lake of the Pines 13 1330CST 0 0 4 0 **Thunderstorm Winds**
Smithland 13 1340CST 0 0 4 0 **Thunderstorm Winds**

A downburst lifted the roof off of two residences at the upper end of Lake of the Pines and damaged several outbuildings and two barns at Smithland.

Gregg County
White Oak 13 1339CST 0 0 3 0 **Thunderstorm Winds**

Strong winds blew down several trees.

Harrison County
Karnack 13 1420CST 0 0 3 0 **Thunderstorm Winds (G54)**

Strong winds, measured at 62 mph, blew down several trees at State Highway 43 near Karnack.

Rusk County
Mount Enterprise 13 1450CST 0 0 3 0 **Thunderstorm Winds**

A downburst blew in windows at a restaurant and blew down trees at a truck stop.

Smith County

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

2 NW Winona	13	1300CST			0	0	3	0	Thunderstorm Winds
3 W Overton	13	1300CST			0	0	3	0	Thunderstorm Winds

Strong winds blew down several trees 2 miles northwest of Winona and 3 miles west of Overton.

Rusk County	13	1400CST- 2100CST			0	0	0	0	Flash Flooding
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In Henderson, heavy rains of 5.61 inches in 12 hours, produced flash flooding of creeks, low-lying areas, and numerous roadways in both Rusk and Panola Counties.

Panola County	13	1400CST- 2100CST			0	0	0	0	Flash Flooding
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Heavy rains, up to 15.85 inches in a 72-hour period, produced flash flooding of dozens of homes located in low-lying areas along the Socagee Creek and Six Mile Creek. Several bridges and portions of roadways were washed out along Farm-to-Market roads 123, 31, and 69.

Leon County 7 NW Nomangee	13	1424CST			0	0	0	0	Hail (1.25)
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Nacogdoches County Nacogdoches	13	1821CST			0	0	0	0	Hail (1.00)
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Panola County Panola	13	1459CST			0	0	3	0	Thunderstorm Winds (G56)
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Strong winds measured at 65 mph blew down several trees.

Shelby County 5 W Center	13	1848CST			0	0	3	0	Hail (1.00)
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Quarter-size hail damaged the windshield of several vehicles.

Rusk County Mount Enterprise	14	0652CST			0	0	0	0	Hail (1.00)
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Panola County 1 E Carthage	14	0705CST			0	0	0	0	Hail (1.75)
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Panola County 1 S Carthage	14	0710CST			0	0	0	0	Hail (1.00)
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Harrison County 1 NW Karnack	14	0815CST			0	0	3	0	Thunderstorm Winds
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Waskom	14	0830CST			0	0	0	0	Hail (1.00)
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Rusk, Panola, Harrison, and Marion Counties	14	0700CST- 1300CST			0	0	0	0	Flash Flooding
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Heavy rains fell on already-saturated conditions, and resulted in flash flooding of creeks, low-lying areas, and numerous roadways.

Angelina County	14	0830CST- 1200CST			0	0	0	0	Flash Flooding
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Heavy rains, 2.34 inches in a 12-hour period, resulted in the closing of 10 roadways while several large bridges were washed out.

Nacogdoches County Nacogdoches	14	0830CST- 1200CST			0	0	0	0	Flash Flooding
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Heavy rains, 3.41 inches in a 24-hour period, resulted in flash flooding along Farm-to-Market roads 225, 350, 868, 898, 136, 277, and 331. Several bridges were also washed out.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

San Augustine and Sabine Counties	14	0830CST-1200CST			0	0	0	0	Flash Flooding
									Heavy rains produced flash flooding of creeks, low-lying areas, and numerous secondary roadways.
Cass and Shelby Counties	14	1000CST-1300CST			0	0	0	0	Flash Flooding
									Heavy rains fell on already-saturated conditions to produce flash flooding of creeks, low-lying areas, and numerous secondary roadways.
Northern Texas	17-19								A series of upper level disturbances, in combination with a very moist and unstable airmass over north Texas, triggered severe thunderstorms with large hail, damaging burst of wind, flash flood-producing rainfall, and several tornadoes from April 17th through 19th.
Coleman County	17	1245CST			0	0	0	0	Hail (1.75)
Brown County	17	1330CST			0	0	0	0	Hail (1.75)
Palo Pinto County	17	1415CST			0	0	0	0	Hail (1.00)
7 NE Mingus	17	1430CST			0	0	0	0	Hail (0.75)
8 S Palo Pinto									
Tarrant County	17	1557CST			0	0	0	0	Thunderstorm Winds (G65)
Fort Worth	17	1620CST			0	0	3	0	Thunderstorm Winds
Eules									In Eules, strong winds downed several trees.
Dallas County	17	1635CST			0	0	3	0	Hail (0.75)
Irving									Thunderstorm Winds
Carrollton	17	1637CST			0	0	3	0	Thunderstorm Winds Hail (0.75)
									Strong winds blew down several trees at both Irving and Carrollton.
Denton County	17	1700CST			0	0	4	0	Thunderstorm Winds
Lewisville									Strong winds destroyed a mobile home and blew down power lines, large tree limbs, and street signs.
Panola and Shelby Counties	17	1700CST-0100CST			0	0	0	0	Flash Flooding
									Heavy rains of 1 to 3 inches, in a 2-hour period, fell on already-saturated conditions and produced flash flooding of creeks, low-lying areas, and several secondary roadways.
Collin County	17	1711CST			0	0	3	0	Thunderstorm Winds
Frisco									Strong winds blew down one tree and several large tree limbs.
Tarrant County	18	1557CST			0	0	0	0	Hail (0.75)
4 W Mansfield	18	1608CST			0	0	0	0	Hail (1.25)
White Settlement	18	1622CST			0	0	0	0	Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K I L O M E T E R S	I N J U R I E D	P R O P E R T Y	C R O S S	

TEXAS, Northern Cont'd

Arlington	18	1630CST			0	0	0	0	Hail (0.75)
Saginaw	18	1703CST			0	0	0	0	Hail (1.75)

Shelby County Center	18	1730CST			0	0	5	0	Lightning
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Two lightning strikes produced a fire to a business and blew a hole through the roof and floor of a mobile home.

Johnson County 3 SE Burleson	18	1610CST			0	0	0	0	Hail (0.75)
Venus	18	1635CST			0	0	0	0	Thunderstorm Winds (G61)

Dallas County Grand Prairie	18	1653CST			0	0	0	0	Hail (0.75)
Dallas NAS	18	1658CST			0	0	0	0	Hail (0.75)
2 W Dallas NAS	18	1700CST			0	0	0	0	Hail (1.75)
Grand Prairie	18	1710CST			0	0	0	0	Hail (1.75)
	18	1712CST			0	0	0	0	Hail (2.00)
3 W Dallas Love Field	18	1725CST			0	0	0	0	Hail (1.75)
Dallas Love Field	18	1726CST			0	0	0	0	Hail (1.00)
Richardson	18	1751CST			0	0	0	0	Hail (1.00)

Ellis County Maypearl	18	1655CST			0	0	0	0	Hail (0.75)
1 N Maypearl	18	1705CST			0	0	3	0	Thunderstorm Winds Hail (2.50)
Italy	18	1710CST			0	0	0	0	Hail (0.75)
4 S Midlothian	18	1645CST			0	0	0	0	Hail (1.00)
Italy	18	1715CST			0	0	0	0	Hail (0.75)
Milford	18	1800CST			0	0	0	0	Hail (0.75)

Power lines were downed, 1 mile north of Maypearl, due to strong winds.

McLennan County 5 W Crawford	18	1705CST			0	0	0	0	Hail (2.50)
China Springs	18	1732CST			0	0	0	0	Hail (0.75)
Crawford	18	1732CST			0	0	0	0	Hail (0.75)
Riesel	18	1745CST			0	0	3	0	Thunderstorm Winds

A downburst uprooted trees and lifted the roof off an outdoor shed.

Navarro County 1 S Frost	18	1742CST- 1743CST	Short	Narrow	0	0	0	0	Tornado (F0)
Brushie Prairie	18	1815CST			0	0	4	0	Thunderstorm Winds (G53)
Dawson	18	1820CST			0	0	4	0	Thunderstorm Winds

A deputy sheriff observed a brief tornado touchdown in open country 1 mile south of Frost. Strong winds uprooted trees and blew down a radio antenna at Brushie Prairie and destroyed a carport and blew trees onto power lines at Dawson.

Collin County Plano	18	1812CST			0	0	0	0	Hail (1.00)
Hill County Hubbard	18	1815CST			0	0	0	0	Thunderstorm Winds (G50)
Freestone County Fairfield	18	1930CST			0	0	0	0	Thunderstorm Winds (G52)
Anderson County Elkhart	18	2020CST			0	0	0	0	Thunderstorm Winds (G56)
Houston County									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

10 NE Crockett Trinity County Trinity	18	2035CST			0	0	0	0	Thunderstorm Winds (G61)
	18	2120CST- 2230CST			0	0	0	0	Flash Flooding
High water was observed over State Highway 19 in Trinity where several automobiles were washed off the roadway.									
Freestone County 5 N Fairfield	19	0520CST			0	0	3	0	Thunderstorm Winds
Strong winds blew down several large trees.									
Anderson County 9 S Palestine	19	0635CST			0	0	0	0	Hail (1.75)
3 SW Elkhart	19	0655CST			0	0	0	0	Hail (1.50)
Panola County 3 S Clayton	19	0940CST			0	0	0	0	Hail (1.75)
DeBerry	19	1025CST			0	0	0	0	Hail (1.75)
3 S Clayton	19	1025CST			0	0	0	0	Funnel Cloud
Southern Portion	19	1240CST- 1430CST			0	0	0	0	Flash Flooding
Harrison County 5 SE Hallsville	19	1015CST			0	0	0	0	Hail (1.75)
5 ENE Karnack	19	1225CST			0	0	0	0	Hail (1.75)
Rusk County 1 S Tatum	19	0930CST			0	0	0	0	Hail (1.00)
Fannin County 3 W Lamasco	22	0235CST			0	0	4	0	Thunderstorm Winds
A downburst lifted the roof off a house and destroyed a barn.									
Lamar County Paris	22	0310CST			0	0	0	0	Hail (0.75)
Titus County 3 NW Mount Pleasant	22	0410CST			0	0	5	0	Thunderstorm Winds
Cookville	22	0410CST			0	0	5	0	Thunderstorm Winds
Strong winds damaged two mobile homes, blew down several trees, a satellite dish, power lines, and a radio antenna 3 miles northwest of Mount Pleasant. Strong winds destroyed a barn and a mobile home and blew down several trees and power lines at Cookville.									
Cass County Hughes Springs	22	0420CST			0	0	0	0	Thunderstorm Winds Hail (1.00)
5 N Linden	22	0425CST			0	0	0	0	Hail (1.00)
Linden	22	0520CST			0	0	0	0	Hail (1.00)
Strong winds blew down trees at Hughes Springs.									
Morris County Omaha	22	0422CST			0	0	0	0	Thunderstorm Winds Hail (1.75)
Naples	22	0422CST			0	0	3	0	Thunderstorm Winds
Rocky Branch	22	0422CST			0	0	0	0	Hail (1.75)
Strong winds blew down several trees at both Omaha and Naples.									
Bowie County Simms	22	0440CST			0	0	3	0	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

Trees were downed by strong winds.

Marion County									
Smithland	22	0525CST			0	0	0	0	Hail (1.00)

Northern Texas 24-29

A series of upper level disturbances combined with a very moist and unstable airmass and several old thunderstorm boundaries across north Texas to trigger severe thunderstorms with large hail, damaging burst of wind, flash flood-producing rainfall, and several tornadoes from April 24th through April 29th.

Hardeman County									
7 W Quanah	24	1405CST			0	0	0	0	Hail (0.75)

Jones County									
Noodle	24	1500CST			0	0	0	0	Hail (1.75)
Hawley	24	1522CST			0	0	0	0	Hail (2.75)
11 N Abilene	24	1545CST			0	0	5	0	Thunderstorm Winds

Strong winds damaged six homes, lifted the roof off a building and blew in windows at Lake Fort Phantom Hill (11 N Abilene).

Haskell County									
Haskell	24	1530CST			0	0	0	0	Hail (1.00)
1 SW to 2.5 NE Haskell	24	1550CST-1557CST	3.5	200	0	1	5	0	Tornado (F3)

A tornado touched down 1 mile southwest of Haskell and moved northeast. Two homes, two businesses, and three barns were destroyed while 170 homes and 17 businesses were damaged. In addition, a cotton gin and a football stadium were damaged while power lines, utility poles, and numerous trees were blown down.

Callahan County									
Baird	24	1626CST			0	0	0	0	Hail (0.75)

Eastland County									
Cisco	24	1645CST			0	0	0	0	Hail (0.75)
Carbon	24	1745CST			0	0	0	0	Hail (0.75)

Wichita County									
Burkburnett	24	1730CST			0	0	3	0	Thunderstorm Winds

Strong winds blew down a few trees, power lines, and fences.

Jack County									
Bryson	24	1815CST			0	0	0	0	Hail (0.75)

Erath County									
Lingleville	24	1815CST			0	0	0	0	Hail (0.75)
Morgan Mill	24	1815CST			0	0	0	0	Thunderstorm Winds
Lingleville	24	1840CST			0	0	0	0	Hail (0.75)
Stephenville	24	1850CST			0	0	0	0	Hail (0.75)

Strong winds blew down an outdoor shed, the steeple off a church, and damaged a nursery at Morgan Mill.

Brown County									
Blanket	24	1825CST			0	0	0	0	Hail (1.75)
Bangs	24	1845CST			0	0	0	0	Hail (1.75)
4 W Brownwood	24	1855CST			0	0	0	0	Hail (1.50)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

Comanche County									
7 S Comanche	24	1835CST			0	0	0	0	Hail (1.00)
Hood County									
Granbury	24	1855CST			0	0	0	0	Hail (1.75)
5 SE Granbury	24	1900CST			0	0	0	0	Hail (0.75)
Johnson County									
3 NE Nemo	24	1922CST			0	0	0	0	Hail (1.00)
Cleburne	24	1932CST			0	0	0	0	Hail (0.75)
Venus	24	2000CST			0	0	4	0	Thunderstorm Winds

A downburst destroyed a barn at Venus.

Somervell County									
2 NE Nemo	24	1922CST			0	0	0	0	Hail (1.00)
Glen Rose	24	1930CST			0	0	0	0	Hail (0.75)
Hamilton County									
Aleman	24	1945CST			0	0	0	0	Hail (1.75)
Whiteway	24	2015CST			0	0	0	0	Hail (0.75)
Dallas County									
Cedar Hill	24	2010CST			0	0	0	0	Hail (0.75)
Hill County									
Itasca	24	2012CST			0	0	0	0	Hail (1.75)
Ellis County									
Maypearl	24	2015CST			0	0	0	0	Hail (1.00)
Five Points	24	2028CST			0	0	0	0	Hail (1.75)
Avalon	24	2040CST			0	0	0	0	Hail (1.00)
Italy	24	2040CST			0	0	5	0	Thunderstorm Winds

Strong winds blew over a large storage building at Italy.

Navarro County									
Blooming Grove	24	2051CST			0	0	0	0	Hail (0.75)
Grayson County									
Sadler	24	2210CST			0	0	0	0	Hail (1.75)
Whitesboro	24	2215CST			0	0	4	0	Thunderstorm Winds
Tom Beam	24	2240CST			0	0	0	0	Hail (1.75)

Strong winds damaged two barns, blew down utility poles, an antenna, a flagpole, and several trees near Whitesboro.

Hopkins County									
Birthright	25	0015CST			0	0	0	0	Hail (1.75)
Franklin County									
5 NE Mount Vernon	25	0045CST			0	0	3	0	Thunderstorm Winds Hail (0.75)

Several trees were uprooted in Franklin County.

Titus County									
Mount Pleasant	25	0015CST			0	0	5	0	Thunderstorm Winds Hail (1.75)
7 NW Mount Pleasant	25	0015CST			0	0	6	0	Thunderstorm Winds

Strong winds lifted the roof off a motel and restaurant, blew down several trees and a 300-foot radio communication tower valued at \$75,000 and damaged eight vehicles. Ten turkey houses valued at \$80,000 each were destroyed 7 miles northwest of Mount Pleasant.

Bowie County									
De Kalb	25	0115CST			0	0	3	0	Thunderstorm Winds
Malta	25	0145CST			0	0	4	0	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

New Boston	25	0150CST			0	0	4	0	Thunderstorm Winds
Wake Village	25	0155CST			0	0	3	0	Thunderstorm Winds
Redwater	25	0200CST			0	0	0	0	Thunderstorm Winds (G52)

Strong winds blew down power lines and uprooted trees in DeKalb, Malta, New Boston, and Wake Village. In addition, one business was destroyed in Malta while the roof of two businesses were lifted off in New Boston.

Cass County									
Dalton	25	0120CST			0	0	3	0	Thunderstorm Winds
Queen City	25	0220CST			0	0	3	0	Thunderstorm Winds

Several trees were blown down at both Dalton and Queen City.

Marion County									
Gray	25	0225CST			0	0	3	0	Thunderstorm Winds

Several trees were blown down at Gray.

Taylor County									
76 W Sep	25	1750CST			0	0	0	0	Hail (1.75)
10 W Tuscola	25	1840CST			0	0	0	0	Hail (2.00)
Abilene	25	1855CST			0	0	0	0	Hail (0.75)
Eastland County									
5 N Cisco	25	2025CST			0	0	0	0	Hail (1.75)
8 N Cisco	25	2045CST			0	0	4	0	Thunderstorm Winds Hail (1.75)

Strong winds lifted the roof off a home 8 miles north of Cisco.

Shackelford County									
Albany	25	2040CST			0	0	0	0	Hail (0.75)
Stephens County									
Breckenridge	25	2130CST			0	0	0	0	Hail (1.75)
Gunsight	25	2135CST			0	0	0	0	Hail (1.75)
Anderson County									
Frankston	26	1700CST			0	0	5	0	Thunderstorm Winds
	26	1710CST			0	0	0	0	Hail (1.75)
	26	1722CST			0	0	0	0	Hail (2.75)

Strong winds lifted the roof off a home, damaged several homes, uprooted trees and blew down fences, power lines, and television antennas.

Henderson County									
13 E Larue	26	1730CST			0	0	0	0	Hail (1.75)
Wood County									
Mineola	26	1746CST			0	0	3	0	Thunderstorm Winds Hail (0.75)
1 NE Mineola	26	1754CST			0	0	0	0	Hail (1.75)

Large tree limbs were snapped off by strong winds.

Smith County									
Troup	26	1747CST			0	0	0	0	Hail (1.75)
Bullard	26	1806CST			0	0	0	0	Hail (2.75)
Arp	26	1840CST			0	0	0	0	Hail (1.75)
Cherokee County									
Reese	26	1750CST			0	0	4	0	Thunderstorm Winds
Reese	26	1800CST-							
		1801CST	Short	Narrow	0	0	5	0	Tornado (F2)
Jacksonville	26	1800CST			0	0	3	0	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

2 S Bullard	26	1806CST			0	0	0	0	Hail (1.75)
1 SW to 1 NE	26	1811CST-							
Mount Selman		1816CST	3	200	0	1	5	0	Tornado (F3)

In Reese, strong winds blew a mobile home over at 1750 CST. A tornado touched down at 1800 CST and destroyed four residences and two mobile homes, uprooted trees, damaged the roof of several homes, and blew down television antennas. Strong winds uprooted trees at Jacksonville. A tornado touched down 1 mile southwest of Mount Selman and moved northeast. Approximately three mobile homes, two residences, and one automobile were destroyed, 25 homes were damaged, several trees were uprooted, while numerous power lines, street signs and television antennas were blown over.

Smith County

Troup	26	1747CST			0	0	0	0	Hail (1.75)
Bullard	26	1806CST			0	0	0	0	Hail (2.75)
Arp	26	1840CST			0	0	0	0	Hail (1.75)

Rusk County

Turnertown	26	1755CST			0	0	0	0	Funnel Cloud
Oak Hill	26	1757CST			0	0	3	0	Thunderstorm Winds

New London	26	1845CST			0	0	0	0	Hail (2.00)
Overton	26	1845CST			0	0	0	0	Hail (2.00)
Turnertown	26	1851CST			0	0	0	0	Funnel Cloud
Oak Hill	26	1857CST			0	0	3	0	Thunderstorm Winds

3 W Henderson	26	1900CST-			0	0	5	0	Tornado (F2)
		1901CST	Short	Narrow	0	0	0	0	Funnel Cloud
1 SE Overton	26	1909CST			0	0	0	0	Hail (2.75)
1 SW Kilgore	26	1910CST			0	0	0	0	Funnel Cloud
1 S Kilgore	26	1915CST			0	0	0	0	Hail (1.75)
Henderson	26	1922CST-			0	0	0	0	Hail (1.75)
		1923CST	Short	Narrow	0	0	3	0	Tornado (F1)
Oak Hill	26	1936CST			0	0	0	0	Hail (2.75)
Chalk Hill	26	1937CST			0	0	0	0	Hail (2.75)
	26	1948CST			0	0	0	0	Hail (1.75)
2 SW Easton	26	2023CST			0	0	0	0	Hail (1.75)
3 W Henderson	26	2041CST			0	0	0	0	Hail (1.75)

Thunderstorm Winds (G52)

Strong winds uprooted numerous trees down at Oak Hill. A tornado touched down near Farm-to-Market Road 13 (# W Henderson) and destroyed a barn and outbuildings, and blew down several trees. A tornado touched down near Henderson and uprooted or snapped several trees.

Smith and Rusk Counties

3 W Turnertown to Turnertown	26	1840CST-	3	100	0	0	4	0	Tornado (F2)
		1850CST							

At 1840 CST, a tornado touched down 3 miles west of Turnertown and moved east. It entered Rusk County 2 miles west of Turnertown at 1844 CST uprooting several trees.

Montague County

Montague	26	1840CST			0	0	0	0	Hail (0.75)
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Cooke County

Muenster	26	1905CST			0	0	0	0	Hail (0.75)
5 S Gainesville	26	1925CST			0	0	0	0	Hail (1.00)
Era	26	2000CST			0	0	0	0	Hail (1.00)

Gregg County

Kilgore	26	1915CST			0	0	0	0	Hail (2.75)
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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

Easton	26	2023CST			0	0	0	0	Hail (1.75)
Lamar County									
1 SE Paris	26	2015CST			0	0	0	0	Hail (1.75)
2 SSE Paris	26	2025CST			0	0	0	0	Hail (1.75)
Pattonville	26	2035CST			0	0	5	0	Thunderstorm Winds
Blossom	26	2040CST			0	1	4	0	Thunderstorm Winds Hail (1.75)

Strong winds destroyed a tractor shed and barn, uprooted trees, damaged the roof of several homes, and blew down a satellite dish and numerous television antennas at Pattonville. Strong winds also damaged a mobile home and blew in several windows of residences at Blossom.

Harrison County									
4 S Marshall	26	2019CST			0	0	0	0	Hail (1.75)
3 NE Easton	26	2023CST			0	0	0	0	Hail (1.75)
Marshall	26	2051CST			0	0	0	0	Hail (1.75)
5 SE Hallsville	26	2110CST			0	0	4	0	Thunderstorm Winds Hail (1.75)
Marshall	26	2130CST			0	0	5	0	Thunderstorm Winds Hail (1.00)

In Hallsville, strong winds blew down numerous trees and lifted the roof off two homes. Several trees were uprooted in Marshall.

Panola County									
2 N DeBerry	26	2112CST			0	0	0	0	Hail (1.00)
Red River County									
2 S Detroit	26	2100CST- 2101CST	Short	Narrow	0	0	5	0	Tornado (F2)
Bagwell	26	2119CST- 2120CST	Short	Narrow	0	0	4	0	Tornado (F1)
2 N Dimple	26	2130CST- 2131CST	Short	Narrow	0	0	5	0	Tornado (F2)

A tornado touched down 2 miles south of Detroit destroying two mobile homes and a barn. It also caused damage to several homes and two automobiles, and uprooted trees. A tornado touched down at Bagwell uprooting trees and damaging a bridge. Another tornado touched down 2 miles north of Dimple and destroyed a barn, damaged several residences, overturned a mobile home, and uprooted numerous trees.

Grayson County									
1 S Sherman	26	2140CST			0	0	0	0	Hail (1.75)
Denison	26	2200CST			0	0	3	0	Thunderstorm Winds

Strong winds blew off large tree limbs.

Fannin County									
Bonham	26	2240CST			0	0	0	0	Hail (1.00)
Honey Grove	26	2310CST			0	0	0	0	Hail (1.75)
Camp County									
Pittsburg	26	2250CST			0	0	0	0	Hail (0.75)
Morris County									
Lone Star	26	2335CST			0	0	0	0	Hail (0.75)
Lamar County									
Brookston	26	2345CST			0	0	0	0	Hail (2.50)
Paris	26	2345CST			0	0	0	0	Hail (1.75)
2 E Blossom	27	0045CST			0	0	0	0	Hail (1.75)
Red River County									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K I L L E D	I N J U R E D	P R O P E R T Y	C R O S S	

TEXAS, Northern Cont'd

Detroit	27	0055CST			0	0	0	0	Hail (1.75)
2 N Detroit	27	0105CST-	Short Narrow		0	0	3	0	Tornado (F1)
		0106CST							
Clarksville	27	0140CST			0	0	0	0	Hail (1.75)
4 N Clarksville	27	0150CST			0	0	0	0	Hail (1.75)
Avery	27	0300CST			0	0	0	0	Hail (0.75)
Red River County	27	0430CST-			0	0	0	0	Flash Flooding
		0600CST							

A tornado touched down 2 miles north of Detroit and snapped the tops off of several large trees. Several homes and numerous roadways were flooded by high water in the vicinity of Clarksville, Detroit, and Bogata.

Bowie County	27	0200CST-			0	0	0	0	Flash Flooding
		0700CST							

Heavy rains resulted in the flash flooding of creeks, low-lying areas, and numerous secondary roadways.

Collin County	27	0230CST			0	0	0	0	Hail (0.75)
Cass County	27	1420CST			0	0	0	0	Hail (1.75)
3 W Linden	27	1450CST-	3	220	0	0	3	0	Tornado (F1)
4 NW Linden		1455CST							
4 NNE Linden	27	1505CST			0	0	0	0	Hail (1.75)
5 N Linden	27	1510CST			0	0	0	0	Hail (1.75)
8 NE Linden	27	1519CST			0	0	0	0	Hail (1.75)
3 N Linden	27	1523CST			0	0	0	0	Hail (1.75)
4 NE Atlanta	27	1525CST			0	0	0	0	Hail (1.75)
4 NE Hughes	27	1525CST			0	0	0	0	Hail (1.75)
Springs	27	1526CST			0	0	0	0	Hail (1.00)
Douglasville	27	1530CST			0	0	0	0	Hail (1.00)
Atlanta	27	1533CST			0	0	0	0	Hail (1.00)
Atlanta	27	1535CST			0	0	0	0	Hail (1.75)
2 N Queen City	27	1540CST			0	0	0	0	Hail (1.00)
Bryans Mill	27	1600CST-			0	0	0	0	Flash Flooding
Atlanta		1800CST							

A spotter observed a tornado 4 miles northwest of Linden where numerous trees were blown down. Heavy rains of 3.45 inches in a three hour period resulted in the flash flooding of numerous roadways, creeks, and low-lying areas in Atlanta.

Rusk County	27	1515CST			0	0	0	0	Hail (1.00)
3 NE Henderson	27	1531CST			0	0	0	0	Hail (1.75)
3 SE Tatum	27	1532CST			0	0	0	0	Hail (1.00)
Harrison County	27	1630CST			0	0	0	0	Thunderstorm Winds
5 S Hallsville	27	1630CST			0	0	0	0	Hail (1.75)
Waskom	27	1630CST			0	0	0	0	Hail (1.75)

Strong winds blew several windows out of a building.

Panola County	27	1533CST			0	0	0	0	Hail (1.50)
5 W Beckville	27	1610CST			0	0	0	0	Thunderstorm Winds
DeBerry	27	1610CST			0	0	0	0	Hail (1.75)

Strong winds broke off large tree branches.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

Bowie County									
5 SE Texarkana	27	1540CST			0	0	0	0	Hail (1.50)
New Boston	27	1555CST			0	0	0	0	Hail (1.00)
New Boston	27	1600CST			0	0	0	0	Hail (0.75)
New Boston	27	1610CST			0	0	0	0	Hail (1.00)
Henderson County									
10 N Athens	27	2118CST			0	0	0	0	Hail (0.75)
Van Zandt County									
12 N Athens	27	2120CST			0	0	0	0	Hail (1.00)
Smith County									
Lindale	27	2210CST			0	0	0	0	Funnel Cloud
Lindale	27	2215CST			0	0	0	0	Hail (2.75)
Lindale	27	2221CST			0	0	0	0	Hail (1.75)
Whitehouse	27	2240CST			0	0	0	0	Hail (1.75)
Cherokee County									
Jacksonville	27	2215CST			0	0	0	0	Hail (0.75)
Jacksonville	27	2236CST			0	0	0	0	Hail (2.00)
Rains County									
1 E Emory	27	2217CST			0	0	0	0	Hail (1.75)
Upshur County									
1 S Big Sandy	27	2245CST			0	0	0	0	Hail (1.75)
Wood County									
Hawkins	27	2245CST			0	0	0	0	Hail (0.75)
Hopkins County									
Sulphur Springs	27	2250CST			0	0	3	0	Thunderstorm Winds Hail (0.75)
Sulphur Bluff	27	2325CST			0	0	0	0	Hail (0.75)

Strong winds blew down several trees.

Delta County									
Cooper	27	2305CST			0	0	0	0	Hail (0.75)
Lamar County									
12 S Paris	27	2315CST			0	0	0	0	Hail (1.00)
Gregg County									
Longview	27	2325CST			0	0	0	0	Hail (1.00)
Franklin County									
1 S Mount Vernon	27	2330CST			0	0	0	0	Hail (1.75)
Red River County									
Avery	27	2335CST			0	0	0	0	Hail (1.75)
Harrison and Marion Counties									
	28	0030CST-0600CST			0	0	0	0	Flash Flooding

Heavy rains fell on saturated conditions to produce flash flooding of creeks, low-lying areas, and several roadways. High water, up to 18 inches deep, was observed on State Highway 80 located just west of Marshall.

Hamilton County									
Evant	28	1043CST			0	0	5	0	Thunderstorm Winds
Hamilton	28	1100CST			0	0	3	0	Thunderstorm Winds
12 SW Hamilton	28	1127CST-1128CST	Short	Narrow	0	0	5	0	Tornado (F1)
2 S Hamilton	28	1130CST-1131CST	Short	Narrow	0	0	5	0	Tornado (F2)

Strong winds destroyed several chicken houses near Evant and blew down trees and power lines in Hamilton. A tornado touched down briefly at the Ohio community (12 SW Hamilton) and destroyed several barns. A tornado touched down 2 miles south of Hamilton and destroyed 10 turkey houses.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

Bosque County 8 NE Cranfills Gap	28	1105CST			0	0	5	0	Thunderstorm Winds (G52)
Walnut Springs	28	1205CST			0	0	4	0	Thunderstorm Winds (G52)
Bosque County	28	1300CST-1500CST			0	0	0	0	Flash Flooding

Sixty-mph winds destroyed 12 turkey buildings 8 miles northeast of Cranfills Gap and blew down several 30-foot trees at Walnut Springs. Three inches of rain in a 45-minute period produced flash flooding of creeks, low-lying areas, and main roadways. Farm-to-Market Road 174 was closed due to high water while most county roads were impassable.

Tarrant County Fort Worth	28	1130CST			0	0	0	0	Hail (1.75)
Crowley	28	1130CST			0	0	3	0	Thunderstorm Winds
North Richland Hills	28	1145CST			0	0	0	0	Thunderstorm Winds (G52)
	28	1200CST-1400CST			0	0	0	0	Flash Flooding
Fort Worth	28	1148CST			0	0	0	0	Hail (0.88)

Strong winds damaged the roof of a home in Crowley. High water was observed in several residences and businesses in North Richland Hills.

Johnson County Venus	28	1200CST			0	0	0	0	Hail (0.75)
Denton County 4 SE Denton	28	1230CST			0	0	0	0	Hail (0.75)
9 NE Lewisville	28	1233CST-1234CST	0.5	75	0	0	5	0	Tornado (F2)

A tornado touched down at the Colony (9 miles northeast of Lewisville) and damaged approximately 50 homes, uprooted several trees, and blew down power lines and fences.

Coryell County Gatesville	28	1240CST			0	0	0	0	Hail (0.88)
Gray AAF	28	1250CST			0	0	0	0	Hail (0.75)
Ellis County Midlothian	28	1250CST			0	0	0	0	Hail (0.75)
Waxahachie	28	1255CST			0	0	0	0	Hail (2.00)
Red Oak	28	1305CST			0	0	0	0	Hail (0.75)
Trumbull	28	1310CST	Short	Narrow	0	0	0	0	Tornado (F0)
3 NE Red Oak	28	1310CST			0	0	0	0	Funnel Cloud
Ferris	28	1315CST			0	0	0	0	Hail (2.75)
Red Oak	28	1315CST			0	0	0	0	Hail (1.75)

A tornado touched down briefly in open country near Trumbull.

Dallas County 3 NE Red Oak	28	1310CST			0	0	0	0	Funnel Cloud
1 N Ferris	28	1315CST			0	0	0	0	Hail (2.75)
Hutchins	28	1320CST			0	0	0	0	Hail (0.75)
Balch Springs	28	1325CST			0	0	3	0	Thunderstorm Winds

A downburst uprooted a few trees.

Collin County Anna	28	1310CST			0	0	3	0	Thunderstorm Winds (G52)
Wylie	28	1325CST			0	0	0	0	Thunderstorm Winds (G50)

Strong winds estimated at 60 mph blew down large tree branches at Anna.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

Grayson County Whitewright	28	1330CST-1331CST	Short	Narrow	0	0	5	0	Tornado (F1)
A tornado touched down briefly and lifted the roof off a few homes, damaged several additional homes, uprooted trees, and blew down power lines and fences.									
Anderson County 12 SE Palestine Countywide	28	1415CST			0	0	0	0	Hail (0.75)
	28	1510CST-1800CST			0	0	0	0	Flash Flooding
Dime-size hail was observed at the Alberbrach community (12 SE Palestine). High water was observed over most secondary roadways and low-lying areas in Anderson County.									
Van Zandt Grand Saline	28	1430CST			0	0	4	0	Thunderstorm Winds
Strong winds lifted the roof off of two businesses.									
Cherokee County Dialville	28	1445CST			0	0	0	0	Hail (2.75)
Jacksonville	28	1455CST			0	0	0	0	Hail (1.75)
10 SE Jacksonville	28	1458CST			0	0	0	0	Hail (1.75)
Dialville	28	1450CST			0	0	3	0	Thunderstorm Winds
Countywide	28	1510CST-1800CST			0	0	0	0	Flash Flooding
8 E Jacksonville	28	1515CST			0	0	0	0	Hail (1.75)
Dialville	28	1520CST			0	0	0	0	Funnel Cloud
8 SE Jacksonville	28	1520CST-1521CST	Short	Narrow	0	0	3	0	Tornado (F1)
Strong winds lifted shingles off the roof of several homes and blew down an antenna tower at Dialville. High water was observed over most secondary roadways and low-lying areas including Farm-to-Market Road 294 west of Elkhart. Several homes in Jacksonville were evacuated due to rising water. A tornado touched down briefly at Redlawn (8 SE Jacksonville) and snapped several trees.									
Leon County Oakwood	28	1500CST			0	0	0	0	Thunderstorm Winds (G52)
	28	1508CST			0	0	0	0	Thunderstorm Winds (G52)
Smith County Winona	28	1505CST			0	0	0	0	Hail (0.75)
Troup	28	1505CST			0	0	0	0	Hail (0.75)
Upshur County Big Sandy	28	1505CST			0	0	0	0	Hail (0.75)
Rusk County 5 N Henderson	28	1547CST			0	0	0	0	Hail (1.75)
4 SW Henderson	28	1550CST-1551CST	Short	Narrow	0	0	4	0	Tornado (F1)
Tatum	28	1522CST			0	0	0	0	Hail (1.00)
A tornado destroyed a barn and blew down several fences 4 miles southwest of Henderson.									
Red River County	28	1643CST-1930CST			0	0	0	0	Flash Flooding

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Northern Cont'd

Heavy rains of 3.50 inches in 50 minutes, produced flash flooding of several creeks and low-water crossings. Extensive flash flooding was observed over State Highway 82 near Avery.

Bowie, Cass, Gregg, Harrison, Marion, Panola, Rusk, and Shelby Counties 28 1700CST-2100CST 0 0 0 0 **Flash Flooding**

Rainfall rates of 1 to 3 inches an hour, falling on already-saturated conditions produced flash flooding of creeks, low-lying areas, and numerous secondary roadways. Some homes were flooded in Atlanta in Cass County while 4 feet of water was observed on U.S. Highway 82 in DeKalb in Bowie County.

TEXAS, Southern Cont'd

Travis County 04 2200CST 0 0 5 0 **Flash Floods**
Bastrop County 04 2230CST 0 0 3 0 **Flash Floods**

Heavy rains from thunderstorms caused flooding over south and east Travis and west Bastrop Counties late Thursday night. The Travis County Sheriff's Office reported flooding on: Farm-to-Market Road 969 off Farm-to-Market 973 and east of Cadillac Drive, and County Line Road past Manor. The Austin Fire Department reported rescuing the occupants of a vehicle under water on Farm-to-Market 973 south of Manor, no injuries were reported. A Travis County official reported 11 roads closed in the eastern part of the county by early morning of the 5th. Bastrop County Sheriff reported flooding on U.S. Highway 290 west of Elgin.

Hays County Countywide 05 0100CST 0 0 3 0 **Flash Floods**

Several roads closed along the Blanco River, and flooding in low-lying areas of the county. On Sunday afternoon, two days after the rains ended, a woman was swept away while trying to traverse a low-water crossing.

Bexar County Countywide 05 0100CST 1 0 6 0 **Flash Floods**

Over 9 inches of rain fell over northwestern Bexar County, in a 3- to 4-hour period. One person was killed near Culebar Road on Leon Creek as his car was swept downstream off a low-water crossing. Several other cars were washed downstream in other areas of the county. Ten homes suffered major damage and four families had to be rescued by the Fire Department in a northwestern subdivision. Flooding did not subside until late morning.

Victoria County Countywide 05 0508CST 0 0 7 0 **Flash Floods**
Eastern Portion 05 0625CST 0 0 0 0 **Thunderstorm Winds (G62)**

Over 9 inches of rain fell in parts of Victoria County in a 7-hour period with 4.77 inches falling between 0500 CST and 0600 CST. Many homes and vehicles were flooded across the area, and 12 people had to be rescued from the Riverside Park. A bridge was washed out on Old Houston Highway, a half mile east of Telferner. High wind from the thunderstorms, estimated near 71 mph damaged trees in the Woodhi subdivision, and trees were uprooted in the eastern part of the county.

Jackson County 05 0640CST 0 0 0 0 **Thunderstorm Winds (G52)**

The Jackson County Sheriff's Office reported wind gusts to 60 mph and minor street flooding.

Cameron County Countywide 05 0700CST 0 0 8 0 **Flash Floods**
La Feria 05 0715CST 0 0 3 0 **Thunderstorm Winds (G54)**
Harlingen 05 0800CST 0 0 3 0 **Thunderstorm Winds (G55)**

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Southern Cont'd

Over 4,000 homes were flooded in Cameron County on the morning of the 5th. Several hundred people had to be evacuated from the area. Parts of Highway 77 were under water. Up to 17 inches of rain was reported in 48 hours in Harlingen. The sheriff's department reported 3 to 5 feet of water in the parking lot of the Valley International Airport. The airport was closed for several days. Several buildings were damaged from the flood waters and high wind from the thunderstorms. Trees were down in La Feria. A billboard sign was blown over between San Benito and Harlingen, and a mobile home was flipped over in Harlingen. About 3,000 homes were still flooded 3 days after the storm passed.

Calhoun County
Port Lavaca 05 0730CST 0 0 3 0 **Thunderstorm Winds (?)**

The sheriff's office reported several trees uprooted and damaged in Port Lavaca.

Brazoria County
Lake Jackson 05 0745CST 0 0 5 0 **Thunderstorm Winds (?)**
Freeport 05 0750CST 0 0 3 0 **Thunderstorm Winds (?)**

Heavy rain and strong thunderstorm winds caused the collapse of a 50-foot by 100-foot section of roof at the Service Merchandise store in Lake Jackson. A warehouse roof in Freeport was damaged by thunderstorm winds. A mobile home was reportedly flipped over near County Road 804A; no injuries were reported.

Matagorda County
(PSX) Palacios 05 0851CST 0 0 0 0 **Thunderstorm Winds (G50)**
(PSX) Palacios 05 0943CST 0 0 0 0 **Thunderstorm Winds (G52)**
(PSX) Palacios 05 1043CST 0 0 0 0 **Thunderstorm Winds (G52)**
Countywide 05 1100CST 0 0 5 0 **Flash Flooding**

Over 9 inches of rain fell over parts of Matagorda County. The Matagorda Sheriff's office reported streets closed in Bay City, with houses and cars flooded. In Palacios, several areas were flooded. Thunderstorm winds gusted to over 58 mph several times during the day at the airport.

Brazoria County
Countywide 05 1100CST 0 0 5 0 **Flash Floods**

The West Columbia City Manager reported over 50 houses and businesses flooded by heavy rain. In Angleton, several streets were closed and cars flooded.

Harris County
Southern Houston 05 1420CST 0 0 4 0 **Thunderstorm Winds (?)**

A large billboard at South Freeway and Gessner was blown over into a parking lot, smashing six cars.

Liberty County 05 1650CST 0 0 3 0 **Thunderstorm Winds (?)**

The Liberty County Sheriff's Office reported several trees down across roads in the county. Power and telephone lines were down in the town of Liberty.

Harris County
N Houston 05 1800CST 1 0 0 0 **Lighting**

A boy in northern Houston was killed when he was struck by lightning.

Hidalgo County
Near McAllen 06 2040CST 0 0 0 0 **Hail (1.00)**

Brownsville Herald sportswriter reported 1-inch hail at the McAllen Memorial Stadium.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Southern Cont'd

Hays County Northern Portion	07	0400CST			0	0	4	0	Thunderstorm Winds (?)
Travis County Southern Portion	07	0400CST			0	0	4	0	Thunderstorm Winds (?)

Strong thunderstorm winds uprooted trees and damaged a few homes.

Harris County S Houston	08	1215CST	0.1	4	0	0	3	0	Tornado (F0)
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A tornado was sighted and photographed by Channel 2 television station, near Southwest Freeway and Beechnut Street. Tree limbs were broken off and a large sign was damaged.

(HOU) Hobby AR	10	1137CST			0	0	0	0	Hail (0.75)
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Dime-size hail was reported at Hobby Airport.

Matagorda County Near Mont Belvieu	10	1250CST			0	0	0	0	Hail (1.75)
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Golf ball-size hail was reported by city officials.

Victoria County Victoria	11	0400CST			0	0	0	0	Hail (0.88)
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Nickel-size hail was reported in southern Victoria near Loop 175 by the police.

Mills County Goldthwaite	13	0839CST			0	0	4	0	Tornado (F?)
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As a funnel passed over a motel in downtown Goldthwaite, the roof was blown off.

Williamson County Liberty Hill	13	1010CST			0	0	3	0	Thunderstorm Winds (G60)
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Wind speeds were estimated to be near 69 mph between Leander and Liberty Hill. Several trees were damaged.

Williamson County Near Georgetown	13	1215CST			0	0	0	0	Flash Flood
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Up to 5 inches of rain in three hours was reported near Weir northeast of Georgetown. Several roads and highways were impassable east and south of Georgetown.

Travis County	13	1415CST			0	0	0	0	Hail (2.50)
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Pear-size hail was reported by the Travis County Sheriff's Office, at Highway 620 and Anderson Hill Road.

Williamson County Countywide	13	1400CST			0	0	0	0	Hail (2.00)
Southern Taylor	13	1511CST			0	0	0	0	Hail (1.75)

Marble- to dime-size hail was reported between Hutto and Round Rock south of Highway 79. Golf ball-size hail was reported south of Taylor by the Williamson County Sheriff's Office.

Brazos County Near Bryan	13	1701CST			0	0	0	0	Hail (1.00)
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Up to quarter-size hail was reported near the city of Bryan.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Southern Cont'd

Lee County	13	1705CST			0	0	4	0	Hail (2.75)
Lexington	13	1710CST			0	0	4	0	Thunderstorm Winds (?)
Countywide	13	1710CST			0	0	4	0	

Large hail in the Lexington area did damage to several cars and buildings, knocking out skylights and car windshields. Thunderstorm winds downed power lines and trees across the area.

Burleson County	13	1710CST			0	0	0	0	Hail (1.50)
Chriesman	13	1710CST			0	0	0	0	

The Burleson County Sheriff's Office reported up to walnut-size hail at Chriesman.

Houston County	13	1710CST			0	0	0	0	Hail (0.75)
Crockett	13	1710CST			0	0	0	0	

Dime-size hail was reported in the town of Crockett.

Bastrop County	13	1815CST			0	0	0	0	Hail (0.75)
Bastrop	13	1815CST			0	0	0	0	

The Bastrop County Sheriff's Office reported dime-size hail in the town of Bastrop.

Burleson County	13	1820CST			0	0	0	0	Hail (1.50)
NW Caldwell	13	1820CST			0	0	0	0	Hail (2.50)
Snook	13	1820CST			0	0	0	0	

The Burleson County Sheriff's Office reported larger hail across the county. Tennis ball-size hail was reported in the town of Snook.

Nacogdoches County	13	1821CST			0	0	0	0	Hail (1.00)
Nacogdoches	13	1821CST			0	0	0	0	

Quarter-size hail was reported in the town of Nacogdoches by the deputy chief of the fire department.

Duval County	13	1926CST			0	0	0	0	Hail (1.00)
10 S Clegg	13	1926CST			0	0	0	0	

The Duval County Sheriff's Office reported quarter-size hail 10 miles south of Clegg.

Fayette County	13	2110CST			0	0	0	0	Hail (1.75)
La Grange	13	2110CST			0	0	0	0	

Golf ball-size hail was reported in the town of La Grange by the Fayette County Sheriff's Office.

Waller County	12	2125CST			0	0	0	0	Tornado (F?)
	12	2125CST			0	0	0	0	

The Waller County Sheriff's Office reported a tornado 2 miles northwest of Hempsted. No damage was reported.

Kerr County	14	0130CST			0	0	0	0	Hail (0.75)
Kerrville	14	0130CST			0	0	0	0	

The Kerr County Sheriff's Office reported dime-size hail in the vicinity of Kerrville.

Zavala County	14	0155CST			0	0	0	0	Hail (0.75)
La Pryor	14	0155CST			0	0	0	0	Hail (0.75)
Crystal City	14	0155CST			0	0	0	0	
Batesville	14	0215CST			0	0	0	3	Hail (2.00)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

TEXAS, Southern Cont'd

The Zavala County Sheriff's Office reported dime-size hail at La Pryor and in Crystal City. In the Batesville area, golf ball- to egg-size hail was reported. The hail caused more than \$2 million in damage to the corn, cotton, and vegetable crops.

Blanco County
Blanco
Johnson City

14	0230CST								Hail (0.75)
14	0245CST								Hail (0.75)

Dime-size hail was reported by the Blanco County Sheriff's Office in Blanco and Johnson City.

Hays County
Wimberley

14	0335CST								Hail (0.75)
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The Hays County Sheriff's Office reported dime-size hail in Wimberley.

Travis County
Oak Hill
(BSM) Bergstro

14	0401CST			0	0	3	0		Thunderstorm Winds (?)
14	0404CST			0	0	0	0		Thunderstorm Winds (G52)

Wind speeds up to 75 mph were estimated in the Oak Hill area of Travis County. Several trees were damaged. A 60-mph wind gust was reported at Bergstro Air Force Base.

Waller County
Southern Austin

14	0420CST			0	0	3	0		Thunderstorm Winds (G56)
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A severe weather spotter estimated wind gust to be near 65 mph in the southern part of the city of Austin. A mobile home on Interstate 35 was damaged.

Bastrop County

14	0510CST			0	0	4	0		Thunderstorm Winds (?)
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Several large trees were reported down in the county and across roadways.

Fayette County
Near La Grange

14	0533CST			0	0	0	0		Hail (0.75)
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Dime-size hail was reported, by the Fayette County Sheriff's Office, southwest of La Grange.

Harris County
Near Hobby
Airport (HOU)

16	1300CST			0	0	0	0		Hail (0.75)
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Dime-size hail was reported north of Hobby Airport by the public.

Blanco County
Johnson City

17	1640CST			0	0	0	0		Hail (1.00)
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Quarter-size hail was reported in Johnson City by the public.

Bastrop County
2 E Elgin

17	1751CST			0	0	0	0		Tornado (F0)
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A tornado was reported on the ground east of Elgin, by the police department.

Burleson County
Near Hogg
Bastrop County
Lee County
8 NE Giddings
Serbin

17	1800CST			0	0	4	0		Thunderstorm Winds (?)
17	1810CST			0	0	4	0		Thunderstorm Winds (?)
17	1822CST			0	0	0	0		Hail (1.75)
17	1826CST			0	0	4	0		Thunderstorm Winds (?)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLINGS	INJURIES	PROPERTY	CROPS	

TEXAS, Southern Cont'd

Fayette County

Warda	17	1850CST			0	1	6	0	Tornado (F0)
2 N La Grange	17	1930CST			0	0	4	0	Thunderstorm Winds (?)
Countywide	17	1940CST			0	0	4	0	Flash Flood
2 E La Grange	17	2100CST			0	0	0	0	Hail (1.75)

Several severe thunderstorms moved across the Bastrop, Burleson, Fayette, and Lee Counties on the evening of the 17th. Several funnel clouds were reported by the public over the area. One person was injured when a mobile home was overturned near Warda. The tornado was on the ground a very short time. Several transmission towers were damaged on the LCRA system. A few buildings throughout the area were destroyed, along with a hundred or so trees. Damage to several home and businesses was reported. Flooding from the heavy rain closed several roads in Fayette County for several hours.

Harris County

(HOU) Hobby AR	17	2155CST			0	0	5	0	Thunderstorm Winds (G70)
(EFD) Ellington	17	2207CST			0	0	0	0	Thunderstorm Winds (G50)

A 80-mph wind gust was reported at Hobby Airport and a 58-mph wind gust was reported at Ellington Air Force Base. Damage was reported in the Pasadena area. A roof was pulled off one building at the Chateau Vista Apartments.

Travis County

Oak Hill	18	1530CST			0	0	0	0	Hail (1.00)
Southern Austin	18	1741CST			0	0	0	0	Hail (1.50)
	18	1803CST			0	0	0	0	Hail (1.75)

Several, severe thunderstorms moved across Travis County in the late afternoon. Reports of pea-to golf ball-size hail were made by the public, severe weather spotters, and local officials.

Houston County

10 NE Crockett	18	2035CST			0	0	3	0	Thunderstorm Winds (G61)
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A severe weather spotter reported trees down in the town of Belott. A wind gust of 70 mph was recorded.

Trinity County

Near Trinity	18	2120CST			0	0	4	0	Flash Flood
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The public reported water across Highway 19 near Trinity, and cars being washed off the road.

Tyler County

Warren	18	2335CST			0	0	0	0	Hail (0.75)
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Dime-size hail was reported in Warren by Channel 6 television in Beaumont.

Hardin County

4 N Kountze	19	0000CST			0	0	0	0	Hail (0.75)
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Dime-size hail reported by the public, 4 miles north of Kountze.

Jasper County

Near Bessmay	19	0030CST			0	0	0	0	Hail (0.88)
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Penny-size hail was reported north of Buna near Bessmay, by the public.

Harris County

11 NW Houston (IAH)	19	1430CST			0	0	0	0	Hail (1.00)
Humble	19	1500CST			0	0	0	0	Hail (1.00)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

TEXAS, Southern Cont'd

Quarter-size hail was reported 11 miles northwest of Houston Intercontinental Airport and in the town of Humble. No damage was reported.

Bexar County 5 S (RND) Randolph	19	1800CST			0	0	0	0	Hail (1.00)
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Dime- to quarter-size hail was reported 5 miles south of Randolph Air Force Base.

San Augustine County San Augustine	22	1430CST			0	0	0	0	Hail (0.88)
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Sabine County Near Pineland	22	1545CST			0	0	0	0	Hail (0.88)
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Nickel-size hail was reported along the Ayish Bayou between Pineland and Broadus. No damage was reported.

Newton County Near Mayflower	22	1545CST			0	0	0	0	Hail (0.75)
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The Newton County Sheriff's Office reported dime size hail near Mayflower in the north part of Newton County. No damage was reported.

Jefferson County La Belle	26	1645CST			0	0	0	0	Hail (1.75)
La Belle	26	1700CST			0	0	0	0	Hail (1.00)
Western Port Arthur	26	1710CST			0	0	0	0	Hail (1.50)

Orange County Vidor	26	1730CST			0	0	0	0	Hail (1.75)
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Beaumont television stations KFDM and KBMT reported quarter- to golf ball-size hail across Jefferson and Orange Counties.

Montgomery County Southern Portion	26	1839CST			0	0	3	0	Thunderstorm Winds(?)
1 E Willis	26	1900CST			0	0	3	0	Hail (1.75)

The Montgomery County Sheriff's Office reported trees and sign damage Farm-to-Market 149 in the extreme southwestern part of the county. A radio station in Conroe reported golf ball-size hail breaking out windows in a building east of Willis.

San Jacinto County Shepherd	26	1930CST			0	0	0	0	Hail (1.00)
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The public reported quarter-size hail in Shepherd.

Polk County Livingston	26	2050CST			0	0	0	0	Hail (0.88)
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Nickel-size hail was reported in Livingston. No damage was reported.

Tyler County 1 W Woodville	26	2045CST			0	0	0	0	Hail (1.75)
Near Hillister	26	2115CST			0	0	3	0	Thunderstorm Winds (?)
Harmony	26	2145CST			0	0	0	0	Hail (2.75)

The Woodville Police Department reported Ping-Pong ball-size hail on Highway 190 west of Woodville. The Tyler County Sheriff's Office reported baseball-size hail in the town of

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Southern Cont'd

Williamson County
Near Thrall 28 1345CST 0 0 0 0 **Tornado (F0)**

A tornado was reported on the ground near Thrall by a severe weather spotter.

Travis County
Pflugerville 28 1410CST 0 0 2 0 **Thunderstorm Winds (G52)**

Thunderstorm winds, with speeds estimated at 60 mph, uprooted a tree in the town of Pflugerville.

Williamson County
1 SE Jonah 28 1415CST 0 0 0 0 **Hail (1.50)**

Ping-Pong ball-size hail was reported southeast of Jonah by a severe weather spotter. No damage was reported.

Guadalupe County
Northern Portion 28 1415CST 0 0 0 0 **Hail (1.75)**

Golf ball-size hail was reported in the northern part of the county by the Guadalupe County Sheriff's Office.

Bastrop County
4 SE Cedar Creek 28 1453CST 0 0 0 0 **Hail (1.75)**
Near Rosanky 28 1458CST 0 0 0 0 **Tornado (F0)**

Severe weather spotters reported golf ball-size hail in Cedar Creek and extending 4 miles to the southeast of town. A tornado was reported on the ground near Rosanky. No damage was reported.

Williamson County
Hutto 28 1500CST 0 0 0 0 **Hail (1.75)**

The Williamson County Sheriff's Office reported golf ball-size hail in the town of Hutto. No damage was reported.

Angelina County
8 E Lufkin 28 1745CST 0 0 3 0 **Thunderstorm Winds (?)**

The Angelina County Sheriff's Office reported a few homes were damaged by thunderstorm winds 8 miles east of Lufkin.

Tyler County
Woodville 28 1850CST 0 0 0 0 **Hail (0.75)**

Dime-size hail was reported in the town of Woodville. No damage was reported.

Hidalgo County
Pharr 29 0500CST 0 1 3 0 **Hail (4.50)**
5 NE McAllen 29 0615CST 0 0 3 0 **Hail (1.75)**
McAllen 29 0618CST 0 0 4 0 **Thunderstorm Winds (?)**
Weslaco 29 0620CST 0 0 3 0 **Hail (4.50)**

Early morning thunderstorms moved out of Mexico and across southern Texas producing hail up to softball-size, over the area. The hail smashed several car windshields, and one person was injured from broken glass caused by the hail. High winds from the storms blew down power lines and caused an awning from a mobile home to be blown into a swimming pool. The high winds also blew a tree over onto a late model car.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Southern Cont'd

Cameron County

Harlingen	29	0703CST			0	0	3	0	Hail (1.75)
1 W Harlingen	29	0703CST			0	0	3	0	Tornado (F0)

The storms from Hidalgo County moved in Cameron County and continued to produce golf ball-size hail, which smashed car windshields. The public reported a tornado west of Harlingen which damaged trees in the area.

TEXAS, Western

Reeves County

Pecos	04	1310CST			0	0	0	0	Hail (0.75)
Pecos	04	1335CST			0	0	0	0	Hail (0.75)

KIUN Radio Station in Pecos, reported dime-size hail at 1310 CST. At 1335 CST, the Office of Emergency Management in Pecos also reported dime-size hail. No damage resulted.

Presidio County Marfa

	04	1330CST			0	0	3	1	Hail
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Marble-size hail accumulated in drifts up to 8 inches deep in Marfa and caused damage to car windshields.

Scurry County 9 E Snyder

	10	1715CST			0	0	2	1	Hail (1.75)
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Golf ball-size hail fell in the community of Midway, in eastern Scurry County. No significant damage resulted.

Stonewall County 6 S Aspermont

	10	1905CST			0	0	1	1	Hail (1.00)
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Quarter-size hail was reported along Highway 83 south of Aspermont; no significant damage was noted.

Irion County Mertzton

	13	0300CST			0	0	1	1	Hail (1.75)
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The public reported golf ball-size hail in Mertzton at 0300 CST. There was no significant damage as a result of the hail.

Hall County Memphis

	24	1300CST			0	0	0	0	Hail (0.88)
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The Memphis Police Department reported nickel-size hail in Memphis at 1300 CST. No damage was noted.

Childress County Childress

	24	1310CST			0	0	1	0	Hail (0.88)
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KSRW Radio Station in Childress reported nickel-size hail at 1310 CST. No significant damage resulted.

Crosby County 1 E Lorenzo 4 N Ralls

	24	1334CST			0	0	2	1	Hail (1.75)
	24	1358CST			0	0	0	0	Hail (0.75)

A television news crew reported golf ball-size hail just east of Lorenzo at 1334 CST. At 1358 CST, dime-size hail was reported, by the Crosby County Sheriff's Office, 4 miles north of Ralls. No significant damage resulted.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

TEXAS, Western Cont'd

Golf ball-size hail fell near Aspermont at 1855 CST. No significant damage resulted.

Tom Green County
San Angelo

28 2152CST 0 0 3 3 Thunderstorm Winds (G51)

Downburst winds to 59 mph caused minor damage in San Angelo. Power lines and tree limbs were downed, and an outbuilding was damaged.

UTAH

Washington County
St. George

01 1200MST 0 0 3 0 Lightning

An upper level disturbance moved across the southern portion of the state, and produced scattered showers and thunderstorms. Lightning from one of these storms struck a house at the Raintree Apartment complex. The lightning hit a television cable and entered the attic setting the insulation on fire. Damage was estimated at about \$1,000.

UTZ001-010
Northwestern
Valleys and
Mountains

10 0200MST-
11 1400MST 1 5 4 0 Heavy Snow

A cold front moved into northwestern Utah early on the 10th and ushered in a much colder, unstable, and relatively moist air mass. Because of the favorable flow across the Great Salt Lake and Utah Lake, and the additional lift provided by the Wasatch mountains, this storm was strengthened over northwestern Utah and brought heavy snow to much of the area. Snow tapered off first in the valley locations then in the mountains. The northwestern mountains received 13 to 19 inches with locally higher amounts of 30 to 40 inches. The northwestern valleys mostly ranged from 6 to 14 inches. The combination of gusty winds, low visibilities, the heavy snow, and the slick roads caused numerous accidents involving cars and tractor-semitrailers and widespread traffic problems during the two-day period.

Davis County
Layton

24 1145MST 0 0 0 0 Funnel Cloud

Thunderstorms developed ahead of an approaching cold front. One of these thunderstorms produced a funnel cloud which was short lived, and caused no damage.

UTZ010
Northern Mountains

25 0400MST-
29 1500MST 0 0 2 0 Heavy Snow

A strong cold front ushered in a cold and moist air mass early on the morning of the 25th bringing mostly rain with some light snow to valley locations. However, very heavy snow was reported in the northern mountains. The heavy snow was initially over all the mountains during the 25th and 26th, but it continued to be heavy over the northwestern mountains through the 29th as several upper level disturbances in a moist northwestern flow moved in to sustain the heavy snow. Snow amounts generally ranged from 1 to 2 feet with 5.5 feet in the Wasatch mountains. Some minor accidents were reported along Interstate 80, but no injuries were reported.

UTZ001-002-003
Northwest Valleys

27 0100MST 0 0 4 0 Heavy Snow

One of the upper level disturbances that sustained the snow over the northwestern mountains, intensified the snowfall over the valley locations the morning of the 27th. In some locations, the snow was falling at 2 inches an hour during the early morning. Snow amounts were in the 6- to 12-inch range. Numerous minor accidents resulted from the slushy, slick, and snow-packed roads, but no injuries were reported. The Salt Lake International Airport was closed for a little over an hour. The heavy wet snow brought down tree limbs onto power lines causing brief power outages in the Salt Lake Valley.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

WEST VIRGINIA Cont'd

Mason County Countywide	09	1645EST- 1710EST			0	0	5	?	Thunderstorm Winds
Hartford	09	1705EST			0	0	0	0	Hail (1.75)
Putnam County Countywide	09	1645EST- 1710EST			0	?	6	?	Thunderstorm Winds
Nitro	09	1710EST			0	0	0	0	Hail (1.75)
Kanawha County Countywide	09	1700EST- 1730EST			0	58	6	0	Thunderstorm Winds (G57)
St. Albans	09	1710EST			0	0	0	0	Hail (0.75)
Charleston on East Point Drive	09	1817EST			1	2	?	0	Thunderstorm Winds
Boone County Countywide	09	1710EST- 1730EST			0	0	4	0	Thunderstorm Winds
Logan County Countywide	09	1720EST- 1740EST			0	0	5	0	Thunderstorm Winds
Mingo County Chattaroy Williamson Delbarton	09	1725EST			0	0	4	0	Thunderstorm Winds
Jackson County Countywide	09	1720EST- 1735EST			0	10	5	0	Thunderstorm Winds
2 N Kenna	09	1730EST			0	0	0	0	Hail (1.00)
Roane County Countywide	09	1725EST- 1750EST			0	2	5	0	Thunderstorm Winds
Gandeeville	09	1730EST			0	0	0	0	Hail (0.75)
Clay County Countywide	09	1725EST- 1745EST			0	0	5	0	Thunderstorm Winds
Wyoming County 2 W Cyclone	09	1750EST			0	1	5	0	Thunderstorm Winds
Wood County Countywide	09	1740EST- 1800EST			0	4	6	?	Thunderstorm Winds (G55)
Wirt County Countywide	09	1740EST- 1800EST			0	0	4	0	Thunderstorm Winds
Calhoun County Countywide	09	1745EST- 1810EST			0	0	5	0	Thunderstorm Winds
Nicholas County Birch River	09	1750EST			0	0	4	0	Thunderstorm Winds
Braxton County Rosedale	09	1750EST			0	0	0	0	Hail (0.75)
Braxton County Countywide	09	1750EST- 1825EST			0	1	6	0	Thunderstorm Winds
1 N Frametown	09	1820EST	0.1	40	0	0	3	0	Tornado (F0)
Pleasants County St. Marys	09	1810EST			0	0	4	0	Thunderstorm Winds
Webster County Countywide	09	1810EST- 1825EST			0	0	4	0	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

WEST VIRGINIA Cont'd

Webster Springs Gilmer County Countywide	09	1815EST			0	0	0	0	Hail (0.75)
Ritchie County Countywide	09	1815EST- 1825EST			0	0	5	0	Thunderstorm Winds
Ellensboro Raleigh County	09	1815EST- 1830EST			0	0	4	0	Thunderstorm Winds
Lester, Mabscott, and Coal City 1 NW Beckley Glen Daniel	09	1815EST			0	0	0	0	Hail (1.00)
Fayette County Montgomery	09	1820EST			0	0	3	0	Thunderstorm Winds
Tyler County Middlebourne	09	1822EST			0	0	?	0	Thunderstorm Winds
	09	1830EST			0	0	?	0	Thunderstorm Winds
	09	1820EST			0	0	?	0	Thunderstorm Winds
	09	1820EST			0	0	3	0	Thunderstorm Winds
Lewis County Countywide	09	1820EST- 1835EST			0	0	6	0	Thunderstorm Winds
Brooke County Wellsburg	09	1822EST			0	0	0	0	Thunderstorm Winds
Ohio County Wheeling	09	1824EST			0	0	3	0	Thunderstorm Winds
Doddridge County West Union	09	1825EST			0	0	3	0	Thunderstorm Winds
Upshur County Countywide	09	1825EST- 1835EST			0	1	5	0	Thunderstorm Winds
Buckhannon Barbour County Countywide	09	1830EST			0	0	0	0	Hail (0.88)
	09	1830EST- 1850EST			0	1	5	0	Thunderstorm Winds
Harrison County Countywide	09	1830EST- 1850EST			0	1	5	0	Thunderstorm Winds (G58)
Pocahontas County Durbin, Barton, and Arborvale	09	1830EST			0	1	4	0	Thunderstorm Winds
Wetzel County New Martinsville	09	1833EST			0	0	0	0	Hail (0.75)
Randolph County Countywide	09	1835EST- 1900EST			0	1	5	0	Thunderstorm Winds (G60)
Montrose Ohio County Countywide	09	1835EST			0	0	0	0	Hail (1.00)
Marion County Countywide	09	1840EST			0	0	0	0	Thunderstorm Winds
	09	1840EST- 1855EST			0	0	4	0	Thunderstorm Winds
Brooke County Wellsburg	09	1843EST			0	0	3	0	Thunderstorm Winds
Taylor County Countywide	09	1845EST- 1905EST			0	0	4	0	Thunderstorm Winds
Tucker County Countywide	09	1845EST- 1905EST			0	0	4	0	Thunderstorm Winds

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

WEST VIRGINIA Cont'd

Monongalia County Countywide	09	1900EST- 1915EST			0	0	4	0	Thunderstorm Winds (G52)
Preston County Countywide	09	1900EST- 1920EST			0	2	5	0	Thunderstorm Winds (G60)
Hancock County 2 E New Cumber- land and Chester	09	1900EST			0	0	4	0	Thunderstorm Winds
Grant County Countywide	09	1920EST- 1940EST			0	0	3	0	Thunderstorm Winds
Pendleton County Countywide	09	1920EST- 1940EST			0	0	3	0	Thunderstorm Winds
Mineral County Countywide	09	1930EST- 1955EST			0	1	4	0	Thunderstorm Winds
Hardy County Countywide	09	1940EST- 2000EST			0	0	3	0	Thunderstorm Winds
Moorefield and Old Fields	09	1940EST			0	0	0	0	Hail (0.75)
Hampshire County Countywide	09	1950EST- 2005EST			0	0	3	0	Thunderstorm Winds
Morgan County Countywide	09	2005EST- 2020EST			0	0	5	0	Thunderstorm Winds
Berkeley County Countywide	09	2015EST- 2035EST			0	0	4	0	Thunderstorm Winds (G56)
Jefferson County Countywide	09	2030EST- 2045EST			0	0	4	0	Thunderstorm Winds (G50)

A squall line formed from a thunderstorm complex that originated in Arkansas around dawn. It moved toward the northeast at about 70 mph (60 knots) during the day on Tuesday. This speed was faster than the ambient wind flow. The squall line reached the Huntington vicinity around 1630 EST with thunderstorms containing precipitation to 55,000 feet. The north/south squall line transversed the state from southwest to northeast during the evening. People caught outside had little time to seek shelter. Weather radar identified a "bow echo" on the line of thunderstorms as it moved from the Kanawha Valley toward Elkins.

The gust front, along the leading edge of the squall line, produced a sudden and dramatic increase in the wind and barometric pressure. The high winds lasted only 2 to 5 minutes at any one particular location. Several residents described the roaring sound that accompanied the arrival of the gust front as like the engines of jet aircraft. This gust front crossed the mountains and exited the eastern panhandle around 2045 EST. Temperatures dropped from the 80s to near 60 in 20 minutes as the storms streaked through many of the counties.

Based on damage surveys, instantaneous wind gusts of 100 to 110 mph were reached in a few favored areas. Channeling by valleys, hollows, or hilltop exposure toward the southwest probably aided the wind in reaching those speeds.

Anemometers measured these gusts: Huntington 52 mph at 1632 EST, Charleston 66 mph at 1713 EST, Parkersburg 63 mph at 1745 EST, Elkins 69 mph at 1840 EST, Clarksburg 67 mph at 1846 EST, Morgantown 60 mph at 1908 EST, Kingwood 69 mph at 1910 EST, 2 SW Keyser 77 mph at 1933 EST, Martinsburg 63 mph at 2030 EST and Bunker Hill 65 mph at 2035 EST.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

WEST VIRGINIA Cont'd

These straight line winds and downbursts caused two deaths, 86 injuries, and an estimated \$16 million in damage in West Virginia. Hail as large as golf balls accompanied the storms, but did little damage. Upon final analysis, only one weak (F0) Tornado was confirmed near Frametown of southern Braxton County. Its damage was limited mainly to trees. The first death occurred in northern Cabell County when a cinder block wall of a barn collapsed onto a 41-year-old male. The site was on a horse farm 1 mile northeast of Green Bottom. The other fatality, a 4.5-month-old boy, died when his grandparents' mobile home was blown over and rolled down a 20-foot embankment while breaking into pieces along East Point Drive.

Most of the injuries were caused by flying debris. In many instances the debris was ripped off large flat roofs. One serious example took place at a track meet at Ripley High School of Jackson County. Sections of the band roof were torn off, along with large gravel rocks. The debris and rocks were hurled into the parking lot and through the windows of a nearby annex building. Ten people were injured. A few students were blown into a fence. Several people found shelter under the concrete grandstands.

Another major cause of injuries was when mobile homes were overturned or ripped apart. Four people were injured 1 mile northwest of Leachtown in Wood County in an area known as Bruckner Bend. The mobile home was destroyed when it was rolled by the wind at Fort Ashby in Mineral County, injuring one person. Two people were hurt near Rowlesburg in Preston County when their mobile home was blown off its base. Near Cyclone in Wyoming County, three mobile homes were destroyed, injuring one woman. Uprooted trees also caused injuries. An oak tree fell on a car along WV Route 15 in Braxton County, breaking the back of a male passenger. A 10-year-old boy was trying to get home on his bike, when a tree fell on him in his Buckhannon yard.

Significant damage occurred in 49 of the 55 West Virginia counties. The only major region that escaped the storm's fury was the southeastern counties around Bluefield and Lewisburg. The two top insurance companies in West Virginia reported a total of about 8,000 claims for property damage to businesses and homes. The Red Cross set up emergency centers in several locations. The most monetary property damage was reported from Kanawha, Lewis, Braxton, and Putnam Counties.

Typical damage accounts throughout the affected region included: sections of roof or shingles blown off; insulation scattered about; windows shattered, tin roofs, awnings, porches, carports, and rain spouts ripped away from the main dwelling, underpinning around mobile homes torn away; mobile homes flipped or rolled over, roofs ripped off mobile homes; and crushing vehicles and crashing through roofs. Commercial signs, street signs, and fences were blown over or bent. Barns, outbuildings, and sheds were demolished. Press boxes and scoreboards at athletic fields were damaged or destroyed.

Hundreds of state families had to seek temporary shelter elsewhere, due to damaged homes.

Here is a summary that highlights a few of the specific accounts of damage. An industrial park along Route 35 in Putnam County had substantial structural damage. Pieces of roof and sign from a southern Charleston motel roof damaged about 70 cars in the parking lot below. A single large tree in the Kanawha City section of Charleston crushed four parked vehicles.

Concentrated residential damage occurred in Weston of Lewis County around and including the state hospital. Olive and Chestnut Streets of Weston looked like a battlefield of storms debris. Four homes were damaged and one car destroyed in the Rock Lake (1 mile northeast of Valley Falls) and Colfax area of Marion County. Pieces of a mobile home destroyed in Harmony of Roane County were reported found east of Reedy, along Stutler's Run in Roane County. Sheets of the metal roof were embedded in the trunk of a nearby tree. In Parkersburg, the roof of a roller skating rink was lifted up by the wind, then collapsed. Luckily, the 60 children inside were at the other end of the building and were not hurt. A bowling alley in Flatwoods of Braxton County sustained damage when a large portion of the roof was blown off and rain water caused the wooden bowling lanes to swell beyond repair. A falling tree destroyed a vehicle in Simpson of Taylor County. The roof was ripped off part of the airport terminal at Elkins where the National Weather Service Office is located. In Gilmer County, an entire hillside of trees was

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

WEST VIRGINIA Cont'd

leveled near Newberne. Cattle were reportedly blown out of their pasture near there. Lightning started several fires in Morgan County.

Secondary damage included water draining into damaged dwellings from the showers behind the gust front. Thousands of trees were partially or totally blown over. Evergreen trees were especially vulnerable. Near Kingwood of Preston County, over 100 pine trees were fallen in a 3- to 6-acre plot. Deciduous trees were budding in the lower elevations, but not yet in full leaf. Rural counties, such as Calhoun, Ritchie, and Wirt, reported almost every main road blocked in one point by fallen trees.

Electrical power to around 200,000 units from two utility companies were severed by falling trees and poles. Flickering lights and power surges preceded the gust front, foretelling many residents that something unusual was happening. It took until Sunday, April 14th, to restore power to all affected customers. Many stores and homes lost food items due to the lack of refrigeration. Emergency communications within several counties were also down due to power outages. School systems were shut down in seven counties the following day, due to damaged facilities or lack of electricity.

Thunderstorm wind damage on this large scale is extremely rare in West Virginia. The roaring sound and the force of the gust front led many to believe they had experienced a tornado. One Gilmer County resident summed up the feeling of many West Virginians when stating, "I don't know what it was, but whatever it was, I don't want to see it again." (M410, M01M)

WISCONSIN

St. Croix County
Glenwood City

07 2110CDT 0 0 ? 0 Hail (1.75)

Golf ball-size hail was reported in Glenwood City.

Crawford County
Prairie Du Chien
Steuben

08 1500CST 0 0 ? 0 Thunderstorm Winds
08 1520CST 0 0 ? 0 Thunderstorm Winds

Vernon County
Stoddard

08 1515CDT 0 0 4 0 Thunderstorm Winds

Grant County
1.5 S Bloomington
6 NW Potosi

08 1519CDT 0.75 25 0 0 2 0 Tornado (F0)
08 1535CDT 0 0 5 0 Lightning

Sauk County
Spring Green

08 1615CST 0 0 ? 0 Hail (0.75)

Milwaukee County
Franklin

08 1910CDT 0 0 ? 0 Hail (0.88)

Widely scattered severe thunderstorms winds caused minor property damage and generated hail up to 0.75 inch in diameter across southern Wisconsin. A small tornado touched down briefly 1.5 miles south of Bloomington (Grant County) tipping over a gravity box. Lightning started a fire which destroyed a barn near Potosi.

WIZ005-009
Northeastern
Wisconsin

09 Evening-
Early Morning 0 0 ? 0 Heavy Snow

A band of heavy snow fell across far northeastern Wisconsin causing numerous accidents. Snow amounts included 10 inches at Crivitz (Marinette County) and 9 inches in Lakewood (Oconto County).

Crawford County
1 E Eastman

27 0245CDT 0 0 4 0 Thunderstorm Winds

Intense severe thunderstorm winds ripped a roof from a home and knocked down trees near Eastman.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

WISCONSIN Cont'd

Green County Albany	28	1830CDT			0	0	?	0	Thunderstorm Winds
LaFayette County Wiota	28	1909CST			0	0	?	0	Hail (1.75)
Dane County Fitchburg	28	1945CST			0	0	?	0	Hail (0.75)
Madison	28	1955CDT			0	0	?	0	Hail (0.75)

Isolated severe thunderstorms over southern Wisconsin deposited hail up to golf ball-size and toppled some trees.

Barron County 4 N Barron	29	1535CDT			0	0	?	0	Thunderstorm Winds
Sawyer County Hayward	29	1630CDT			0	0	4	0	Thunderstorm Winds
Jefferson County Lake Mills	29	1930CDT			0	0	?	0	Thunderstorm Winds
Waukesha County Delafield	29	2045CDT			0	0	4	0	Thunderstorm Winds
Winnebago County Oshkosh	29	2130CDT			0	0	4	0	Thunderstorm Winds
Outagamie County Seymour	29	2230CDT			0	0	4	0	Thunderstorm Winds

Scattered severe thunderstorms knocked over trees and caused minor property damage including a salt shed in Delafield (Waukesha County) and a pontoon boat near Druid Lake 5 miles south of Hartford (Washington County).

WYOMING

WYZ004-005-006 Big Horn Mountains Northern Front Range, Northeastern Plains	10 12	2030MST- 1700MST			0	0	0	0	Heavy Snow
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Thirty-three inches of snow fell at Story. The storm was over the Big Horn Mountains and east the 10th through the 12th. Burgess Junction received 18 inches, Sheridan and Big Horn had 12 inches, Recluse also noted 12 inches, Sundance 10 inches, and Gillette 6 to 8 inches.

WYZ002-009-013- 014, Northwest Chinook, Wind River Basin, Wind River Mountains, Southwestern Red Desert	11 12	0100MST- 1800MST			0	0	0	0	Heavy Snow
---	----------	---------------------	--	--	---	---	---	---	------------

A snowstorm in the southwestern and central portion brought up to 18 inches of snow to Lander; South Pass City and Fort Washakie, 12 inches; Cody and Evanston, 10 to 12 inches; Meeteetse, 16 inches; Green River, 10 inches; and Kemmerer, 6 inches.

WYZ011-012-017 Central Plains Eastern Plains Southeastern Plains	11 12	0130MST- 1230MST			0	0	0	0	Heavy Snow
---	----------	---------------------	--	--	---	---	---	---	------------

Up to a foot of snow was reported with a spring snowstorm over the east central and southeastern portion of the state. Twelve inches of snow was reported 10 miles north of Lusk with the town of Lusk receiving 8 inches; Lance Creek, 8 inches; Casper and Cheyenne, 7 inches.

WYZ002 Northwestern Chinook	17 18	2230MST- 1800MST			0	0	0	0	Heavy Snow
-----------------------------------	----------	---------------------	--	--	---	---	---	---	------------

Up to 18 inches of snow was reported in Sunlight Basin west of Cody by the evening of the 18th; Meeteetse, 16 inches; and 4 miles west of Cody, 6 to 8 inches.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1991

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

WYOMING Cont'd

WYZ009-014 25 2300MST-
Big Horn Mountains 26 0500MST 0 0 0 0 Heavy Snow
Red Desert

Twelve inches of snow fell at South Pass City on the southern end of the Big Horn Mountains on the night of the 25th, and the morning of the 26th. Five inches of snow fell at the same time in Rawlins.

ALASKA, Southern

Western Alaska Peninsula 01 0000UTC High Winds

A low pressure area moving to the Gulf of Alaska produced strong winds over the Western Alaska Peninsula. Peak wind with gusts of 41 kts was recorded at Cold Bay.

Kodiak Island Eastern Alaska Peninsula 02 0000UTC High Winds

A low pressure area over the Gulf of Alaska produced strong winds over the Kodiak Island area. Wind gusts reached 42 kts at Kodiak State Airport.

Western Alaska Peninsula 06 0000UTC Record Highs

Warm afternoon temperatures resulted in a high temperature which tied the record for April 6 at Cold Bay. The record was originally set in 1979 (46°).

St. Paul 23 0000UTC Record Highs

The high temperature of 40° tied the record for the date set in 1948.

AKZ012-014 11 Afternoon
Central, Southern, and Coastal Southeastern Alaska 11 Early Evening 0 0 ? 0 High Winds

A 990-mb low drifted slowly north over the central Gulf of Alaska. The associated front extended south from the eastern gulf coast. A strong wave rolled north along the front and further tightened the pressure gradient over southeastern Alaska. Strong and gusty south to southeast winds prevailed across much of the panhandle. The strongest winds were reported from Port Alexander with sustained winds of 52 mph and gusts as high as 63 mph.

HAWAII

Oahu and Kauai 09-11 0 0 3 0 Flash Flooding

Localized heavy showers cause minor flash flooding on both islands.

PACIFIC

None reported.

PUERTO RICO

None reported.

VIRGIN ISLANDS

None reported.

STORM SUMMARY

April 1991

TYPE	ALABAMA	ARIZONA	ARKANSAS	CALIFORNIA	COLORADO	CONNECTICUT	DELAWARE	FLORIDA	GEORGIA	IDAHO	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MAINE	MARYLAND & D.C.	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE
TORNADOES																										0	
Number	53		200					93	22	22	82		14	39	51	75				11	52	52	52		94		
Days	304		206					307	285	205	205		402	192	303	505				100	200	200	200		202		
Deaths	0		0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Injuries	4		6					5	6	5	5		5	24	3	6				2	6	6	7		2		
Property Damage	50		60					2	0	0	0		4	87	3	0				0	6	0	0		3		
Crop Damage	0		0					0	0	0	0		0	0	0	0				0	0	0	0		0		
HAIL																											
Deaths	0		0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Injuries	0		0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Property Damage	0		0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Damage	0		0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THUNDERSTORM WINDS																											
Deaths	0		0				0	2	0	0	0	0	0	0	22	10	0	0	0	0	1	1	0	0	0	0	0
Injuries	1		2				6	6	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Property Damage	6		0				0	4	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Damage	0		0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIGH WINDS																											
Deaths		0															0										0
Injuries		0															0										0
Property Damage		0															0										0
Crop Damage		0															0										0
LIGHTNING																											
Deaths			0					0	1							0											
Injuries			0					0	2							0											
Property Damage			0					0	0							0											
Crop Damage			0					0	0							0											
FLASH FLOODS																											
Deaths			1						0	0						0											
Injuries			0						0	0						0											
Property Damage			0						0	0						0											
Crop Damage			0						0	0						0											
FLOODS																											
Deaths			0														1										0
Injuries			0														0										0
Property Damage			0														0										0
Crop Damage			0														0										0
HEAVY SNOWSTORMS AND BLIZZARDS @																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
ICE STORMS #																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
HURRICANES AND TROPICAL STORMS																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
ALL OTHERS																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											

STORM SUMMARY

April 1991

TYPE	NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKLAHOMA	OREGON	PENNSYLVANIA	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN	WYOMING	ALASKA	HAWAII	PACIFIC	PUERTO RICO	VIRGIN ISLANDS	NATIONALLY	& INJURIES DEATHS
TORNADOES					0																							
Number							24																					
Days							33																					
Deaths							6																					
Injuries							57																					
Property Damage							?																					
Crop Damage							?																					
HAIL																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
THUNDERSTORM WINDS																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
HIGH WINDS																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
LIGHTNING																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
FLASH FLOODS																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
FLOODS																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
HEAVY SNOWSTORMS AND BLIZZARDS @																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
ICE STORMS #																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
HURRICANES AND TROPICAL STORMS																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
ALL OTHERS																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
TOTALS																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												

STORM DAMAGE CATAGORIES

REFERENCE NOTES

- 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

- 0/Blank None reported.
- * Miles instead of yards.
- ** Yards instead of miles.
- @ Includes heavy sleet storm.
- # Freezing drizzle and freezing rain, commonly known as glaze.
- ≠ Report incomplete.
- ≠≠ Report not received.
- o/c Indicates Crop Damage amount is included in the value given for property damage.

When reports are not received or are incomplete, the Storm Summary National Death and Injury totals may also be incomplete.

Definition of Fujita Tornado Scale (F scale)

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



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



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

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



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

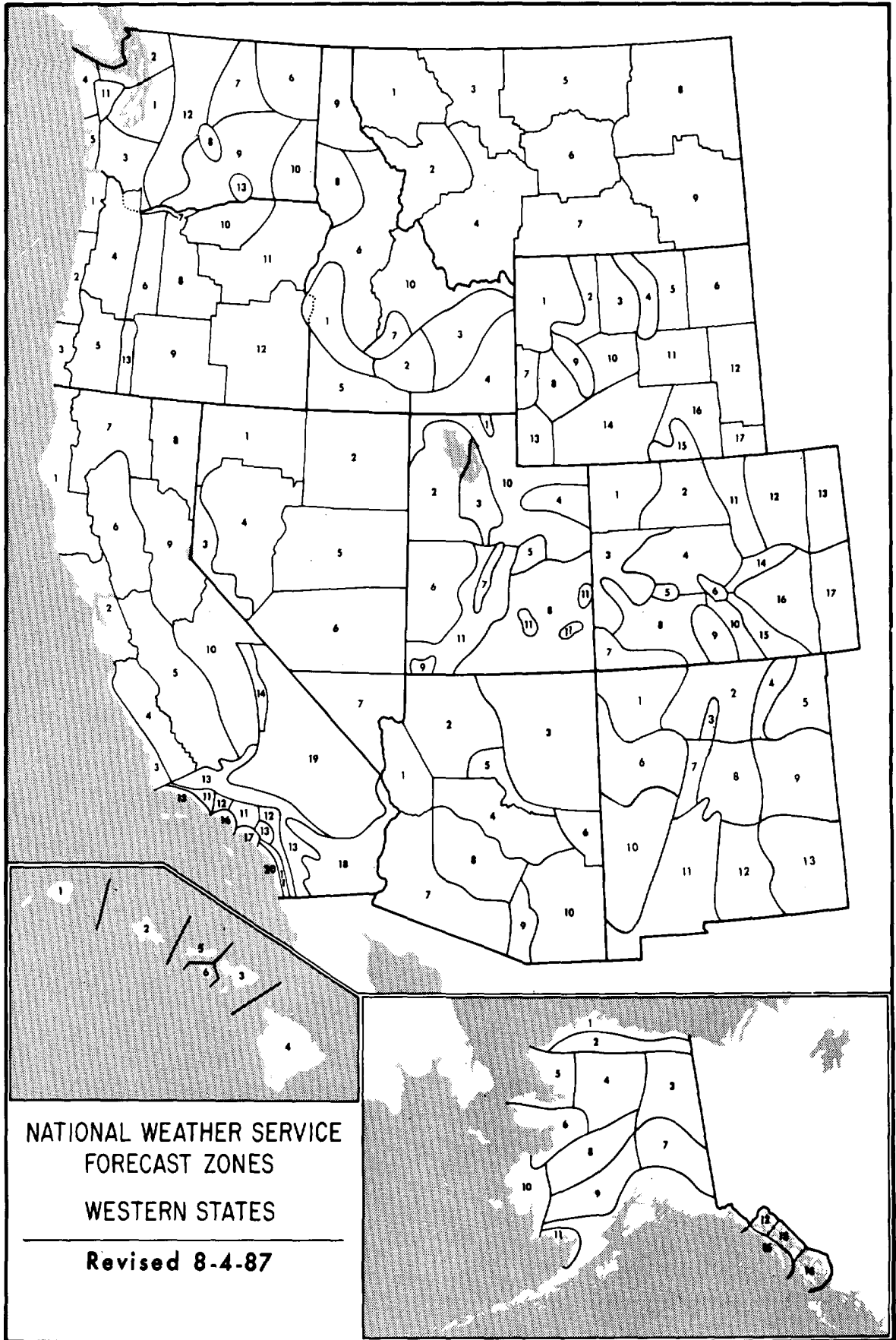
(F5) Incredible tornado (261-318 mph): Incredible damage
Strong frame houses lifted off foundations and carried considerable distance to disintegrate; automobile-sized missiles fly through the air in excess of 100 m; trees debarked; incredible phenomena will occur.



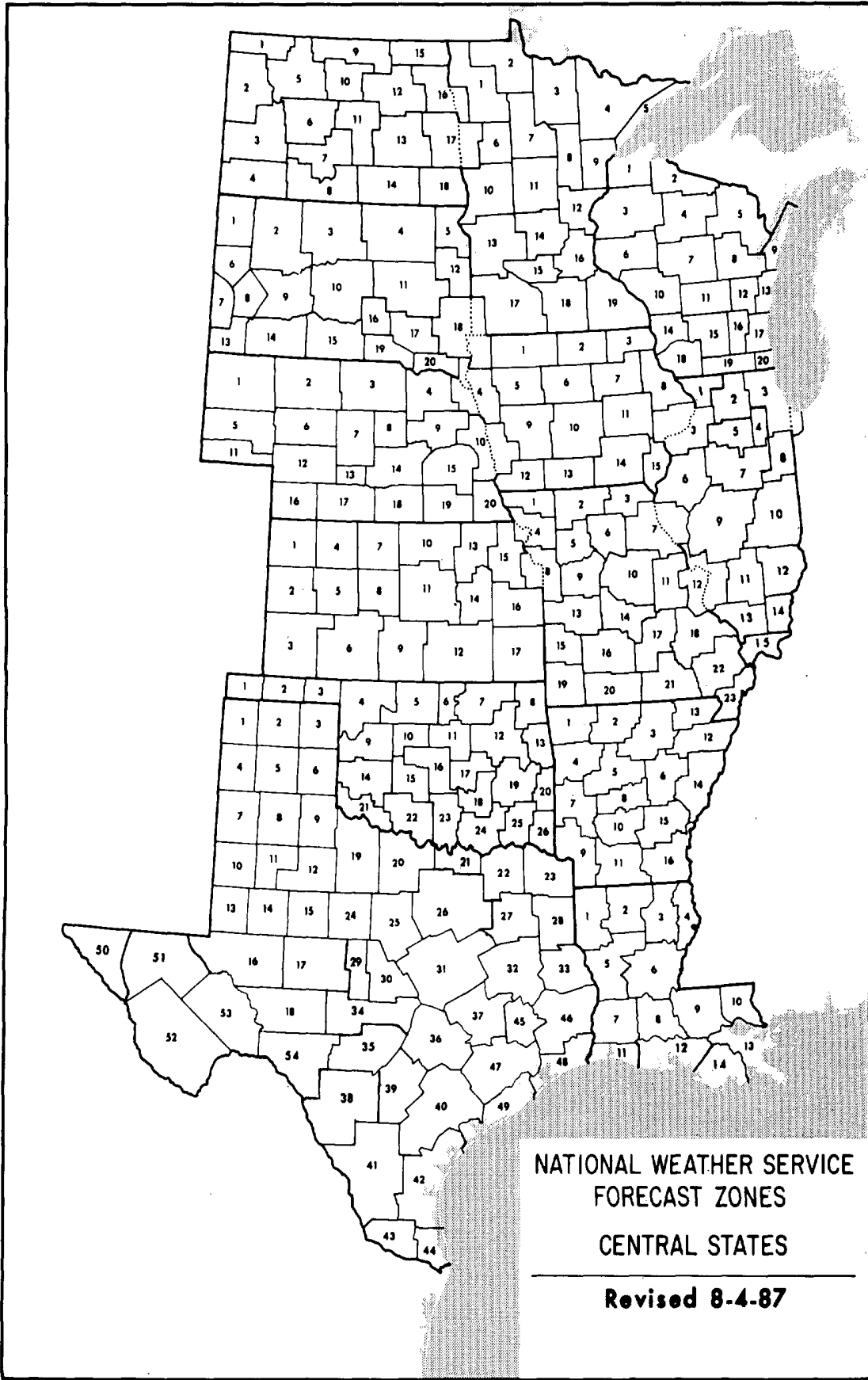
(F6-F12) (319 mph to Mach 1, the speed of sound):
The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

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

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

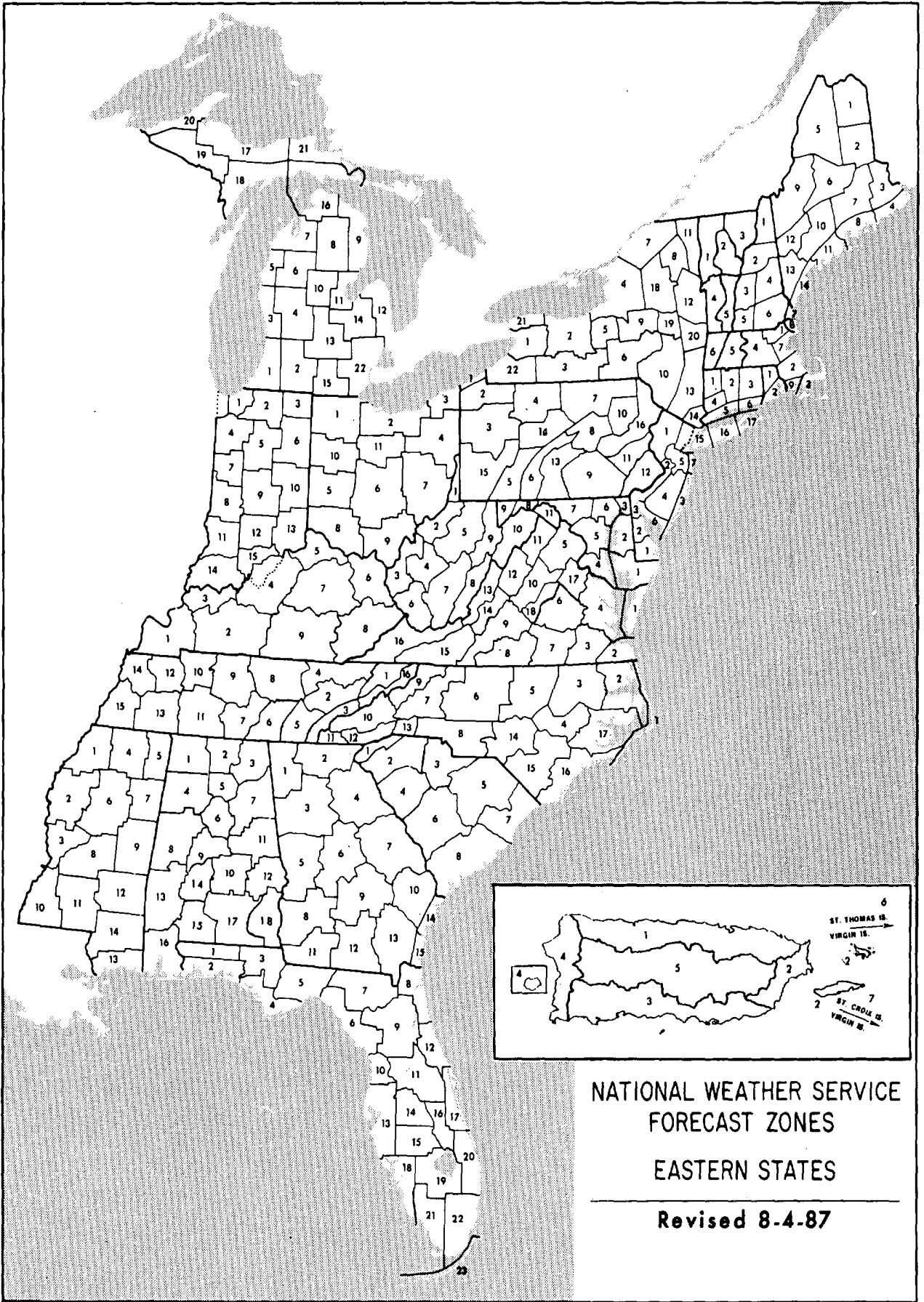


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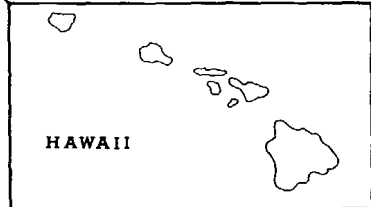
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STORM DATA

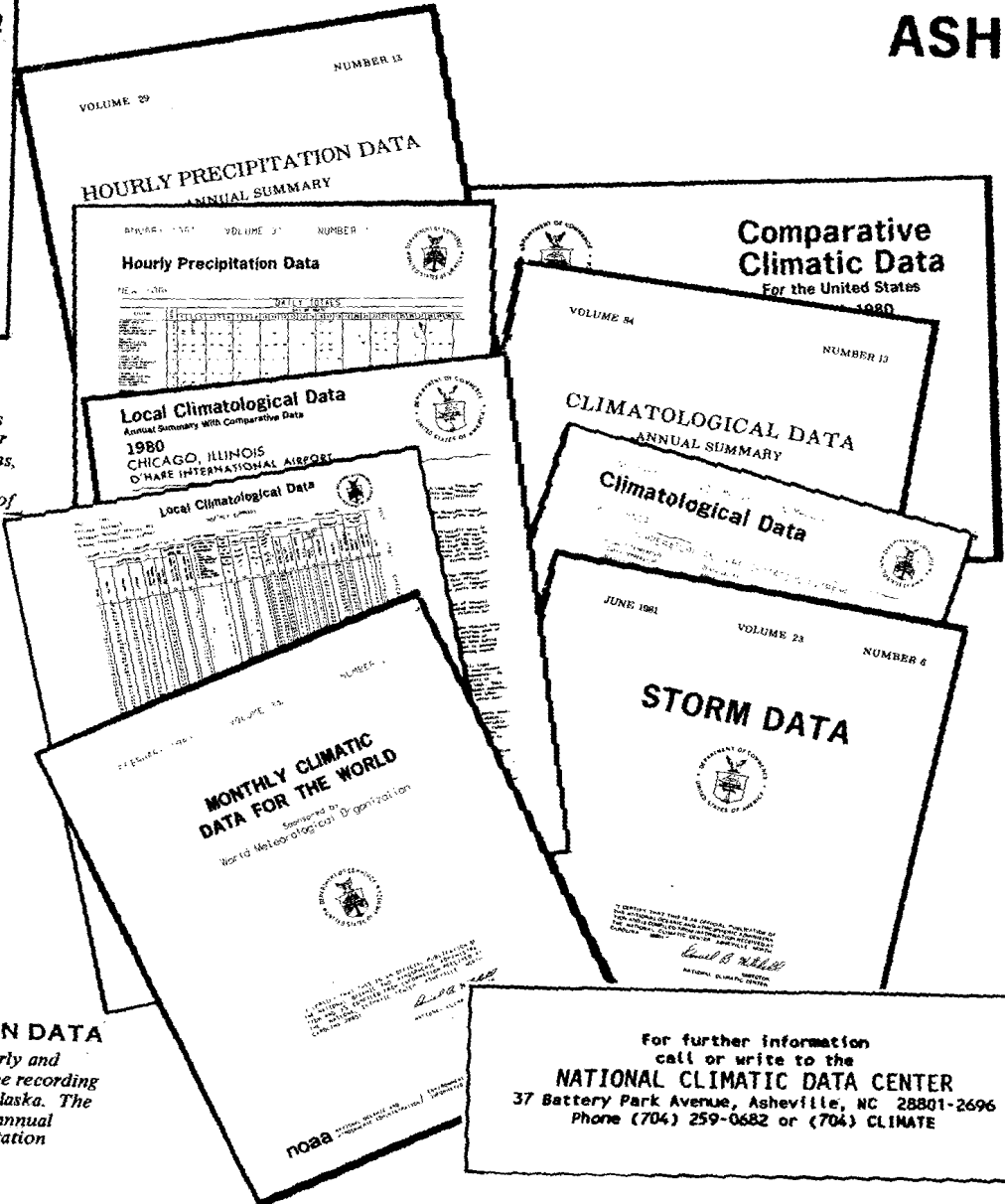
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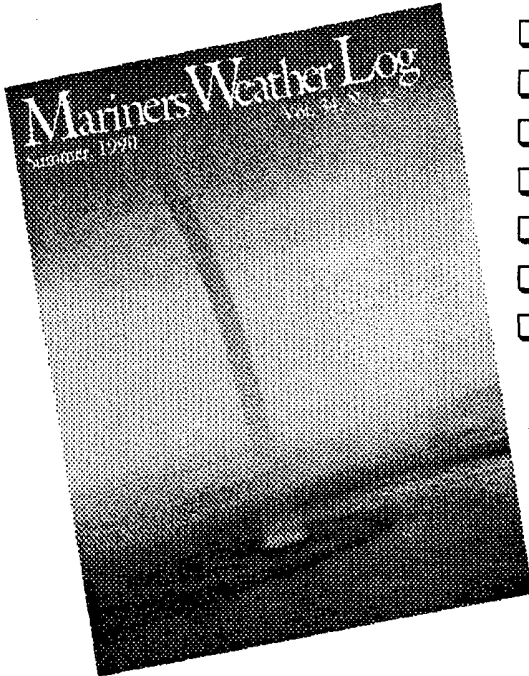
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