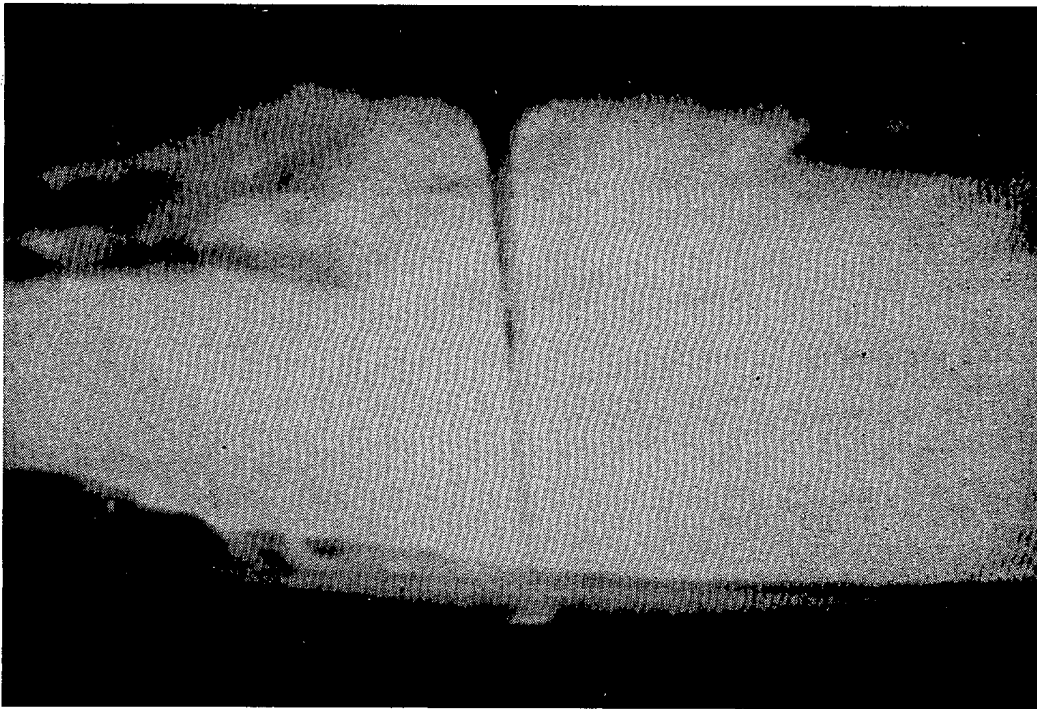


JUNE 1985

VOLUME 27

NUMBER 6

# STORM DATA



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

*Kenneth D. Walden*

DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

**noaa**

NATIONAL OCEANIC AND  
ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE,  
DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER,  
ASHEVILLE, N.C.

## C O N T E N T S

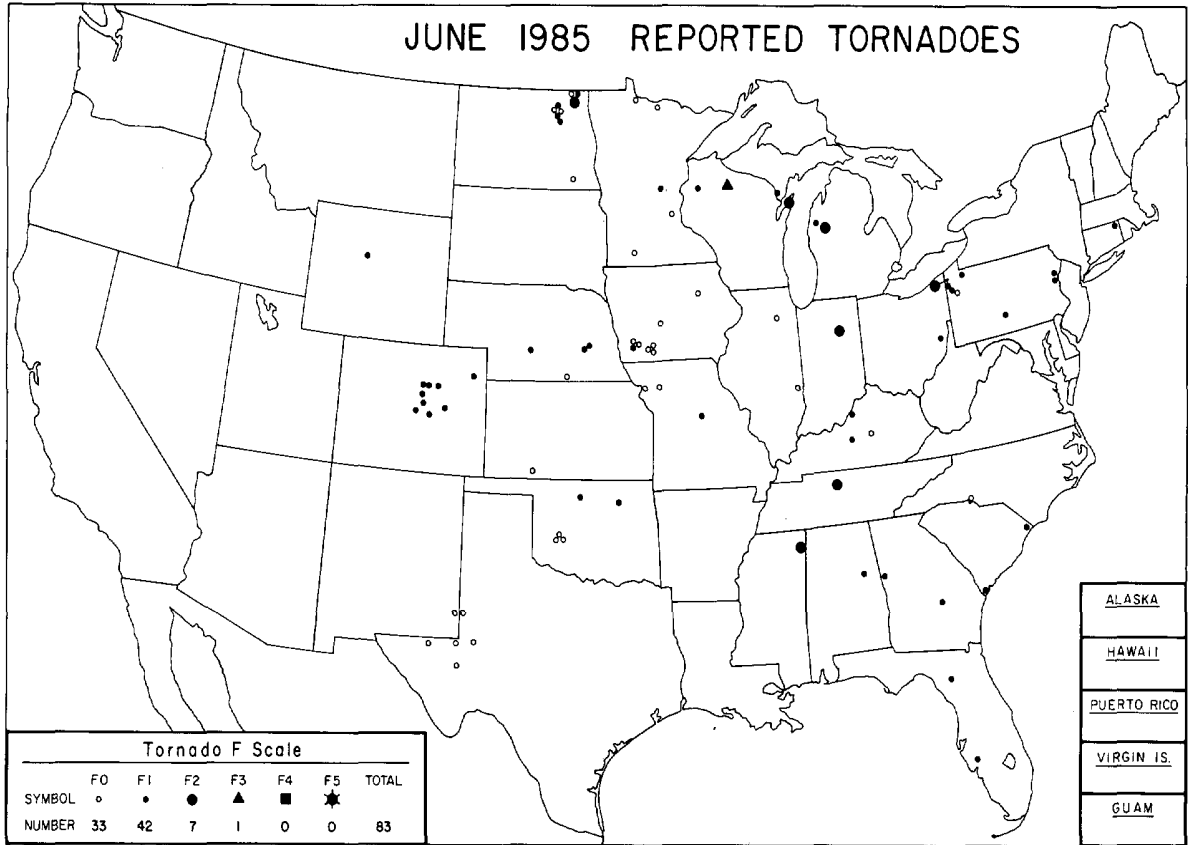
	<u>Page</u>
Outstanding Storms of the Month.....	3
Storm Data and Unusual Weather Phenomena.....	6
Storm Summary.....	45
Reference Notes.....	46
"F" Scale Definitions.....	46

Cover: Cool air and warm water combined to enhance convection beneath a stationary thunderstorm, which in turn produced this waterspout over the southern end of the Great Salt Lake at 0520MST on June 26th. The waterspout, visible from as far as 20 miles away in the early morning light, moved slightly south and lasted only four minutes. The picture was taken from Tooele, looking north. ---Photo from videotape by KSL Television, and provided by the NWSFO; both of Salt Lake City, Utah.

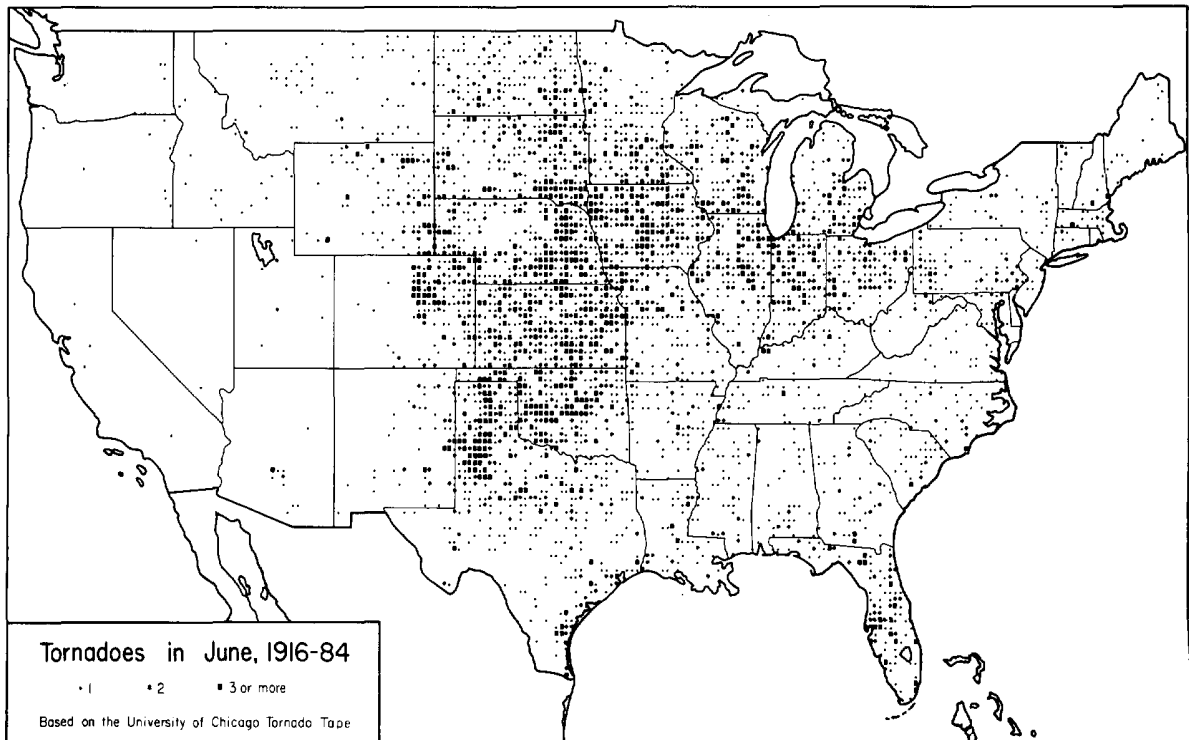
NOTE: The section on Outstanding Storms of the Month is prepared by Professor T. Theodore Fujita, editor, and Duane J. Stiegler, associate editor, University of Chicago. The narrative descriptions of Storms by State and Summaries of Hurricanes and Tropical Storms are prepared by the National Weather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

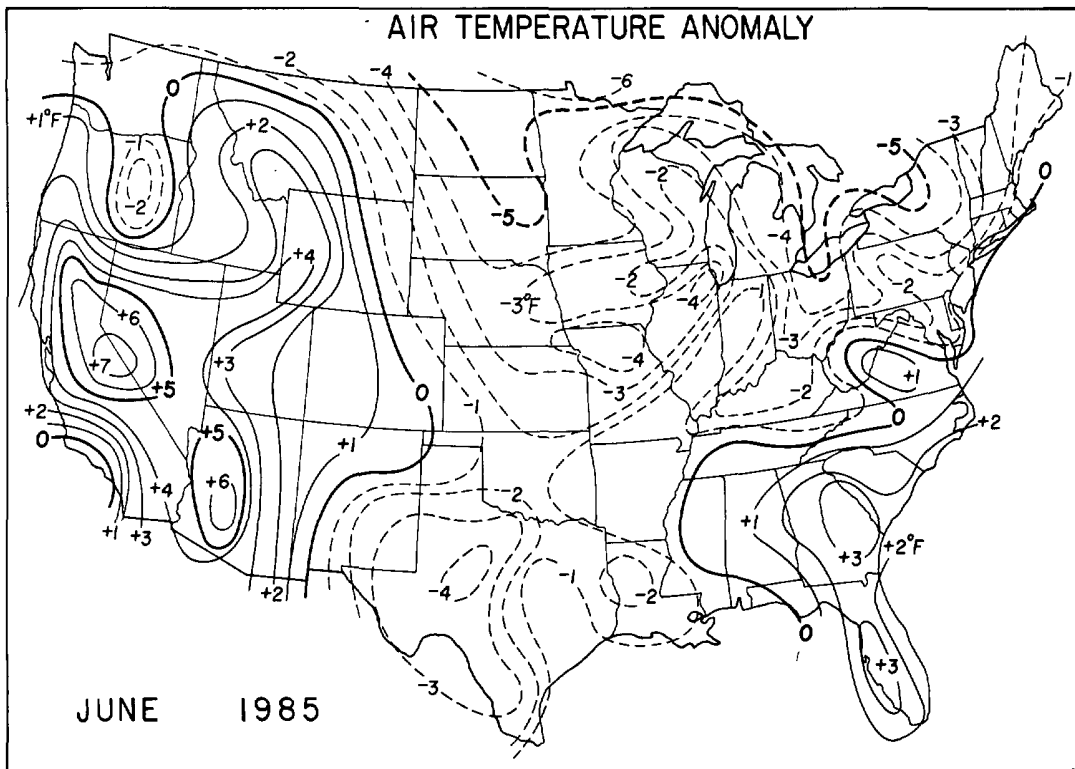
STORM DATA - (ISSN 0039-1972) is published monthly. Subscription, pricing, and ordering information is available from:  
National Climatic Data Center, National Environmental Satellite, Data, and Information Service, NOAA, Federal Building, Asheville, NC 28801-2696.

# OUTSTANDING STORMS OF THE MONTH



● COMPLETE REPORT RECEIVED	● 1AL	● 7DE	● 14KS	● 21MN	● 28NJ	● 33OH	● 39SD	● 44VA	● 49AK(SE)
○ PRELIMINARY REPORT RECEIVED	● 2AZ	● 8FL	● 15KY	● 22MS	● 29NM	● 34OK	● 40IN	● 45WA	● 50HI
○ REPORT NOT RECEIVED	● 3AR	● 9GA	● 16LA	● 23MO	● 30NY(O)	● 35OR	● 41TX(N)	● 46WV	● 51PR
(N) northern (W) western	● 4CA(N)	● 10ID	● 17ME	● 24MT	● 30NY(C)	● 36PA(E)	● 41TX(S)	● 47WI	● 52VI
(S) southern (C) central	● 4CA(S)	● 11IL	● 18MD	● 25NE	● 30NY(W)	● 36PA(W)	● 41TX(W)	● 48WY	● 53PC
(E) eastern (O) coastal	● 5CO	● 12IN	● 19MA	● 26NV	● 31NC	● 37RI	● 42UT	○ 49AK(N)	
(SE) southeastern	● 6CT	● 13IA	● 20MI	● 27NH	● 32ND	● 38SC	● 43VT	○ 49AK(S)	

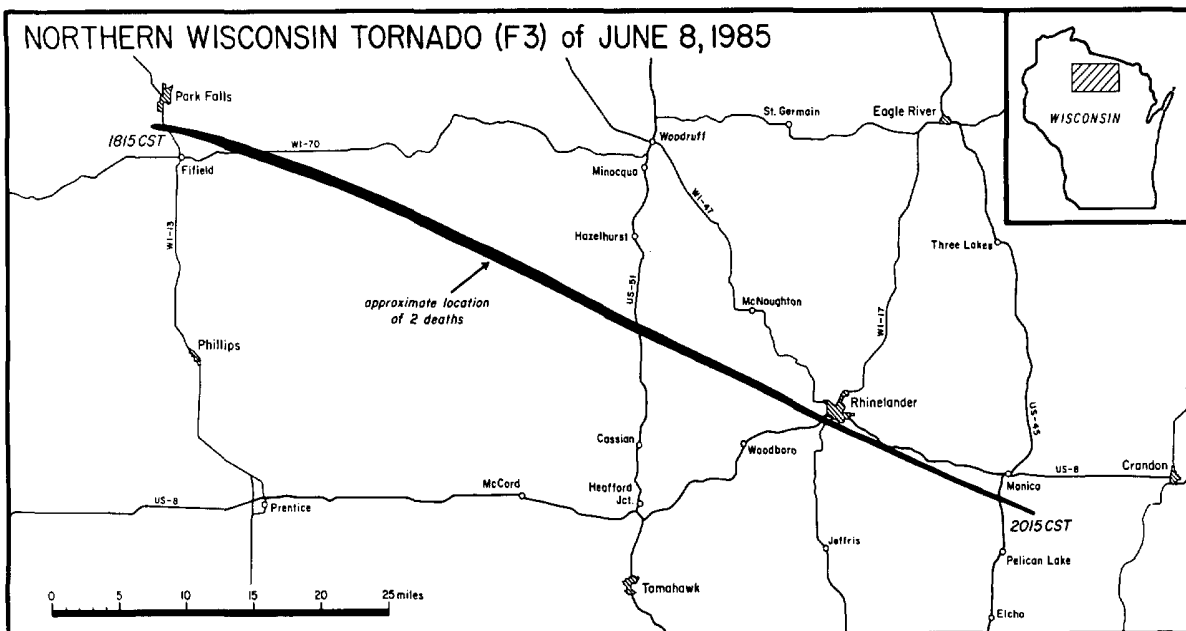




---Data base from NOAA/USDA Joint Agricultural Weather Facility.

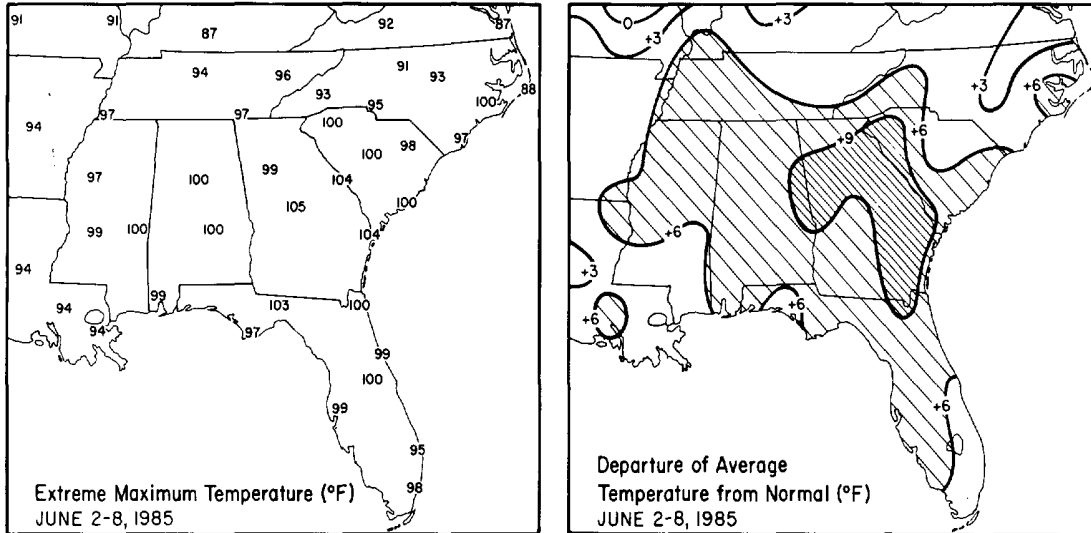
TORNADO in NORTHERN WISCONSIN on June 8, 1985

On the evening of June 8th, a severe thunderstorm produced large hail and a killer tornado that swept east-southeast through Price and Oneida Counties of northern Wisconsin. Huge hailstones of up to 6 inches in diameter fell in some places. The tornado was the strongest and only F3 to occur during June, carving a 68 mile path (see map below) through mostly resort areas. Two deaths caused by the tornado occurred about midway between Park Falls and Rhinelander; there were 42 injuries. Total damage for both counties is estimated at \$6 million. ---Map provided by NWSFO, Milwaukee, Wisconsin.



## 2. HEATWAVE in the SOUTHEAST on June 2-7, 1985

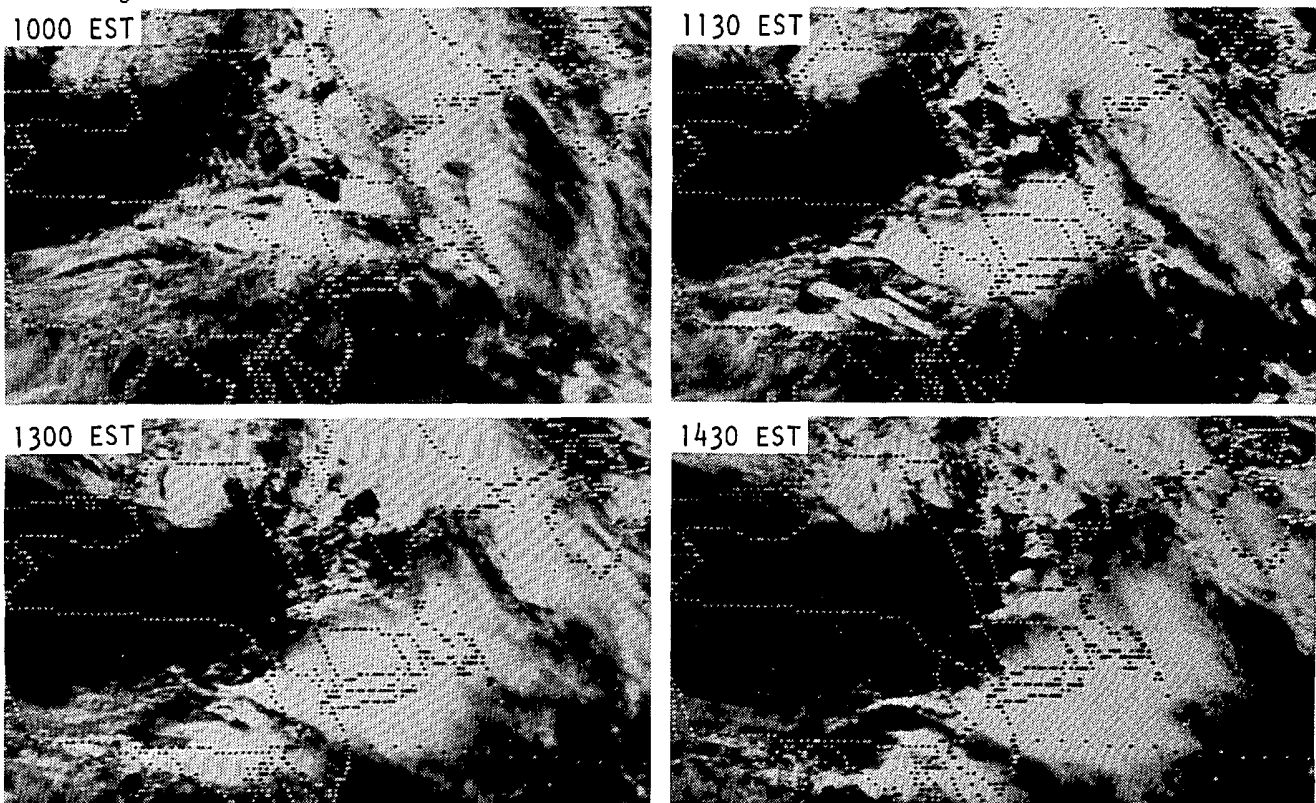
A stationary ridge over the Southeastern U.S. brought unusually high temperatures for June to the area during the first week of the month. Most stations recorded daily highs in the upper 90s and lower 100s during the period, and many new records were set. The heat, combined with the humidity, resulted in numerous cases of heat-related illnesses and at least 12 deaths. Relief from the heat finally came on the 7th in the form of severe thunderstorms as a frontal system moved through.



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

## 3. SEVERE THUNDERSTORMS in the NORTHEAST on June 24, 1985

The GOES 6 satellite, visible images below show a line of uncommonly severe (for the region) thunderstorms that moved through the Northeastern U.S. in advance of an approaching cold front. Lightning caused one death and numerous injuries and fires. Although there was only one tornado, hail and strong gusty winds were widespread. One storm produced microbursts in Warren and Ware, Massachusetts, that resulted in \$2.25 million in damage. ---Photos from NESDIS.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

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

## ALABAMA

Statewide	2-7				5	22	6	°C	Heat
<p>An early season heat wave resulted in at least 10 people in the Birmingham area and 12 in the Montgomery area requiring treatment in hospitals for heat related illnesses. The heat was also blamed for at least 5 deaths. In Birmingham, an 83 year old couple, a 53 year old woman and a 73 year old woman were reported to have died from heat related causes. One young man died from a heat related heart attack in Autauga County after hitting a home run at a ball game. The heat buildup reached a climax on the 5th when at least 17 cities from Birmingham southward recorded temperatures of 100° or higher, topped by 103°, breaking the record for June 5th that had stood since 1891 and was also the highest ever recorded there so early in the season. The high of 99° in Huntsville and Mobile were record highs for the 5th in both cities. Montgomery recorded 103° on the 6th and 100° on the 7th and had record highs for 5 consecutive days. Showers and thunderstorms broke the heat on the 7th.</p>									
Collinsville, DeKalb County	07	1130CST			0	0	?	?	Hail
<p>Marble to golf ball size hail reported.</p>									
Gadsden area, Etowah County	07	1159CST			0	0	?	?	Hail
<p>Hail to golf ball size reported at 1159CST and hail marble size and larger with wind gusts to 49mph was reported in downtown Gadsden at 1216CST</p>									
N. Calhoun and SE Etowah Counties	07	1245CST			0	0	?	?	Hail
<p>Hail to baseball size was reported on U.S. 278 along the Calhoun and Etowah County line in SE Etowah and northern Calhoun Counties.</p>									
Centre area, Cherokee County	07	1300CST			0	0	?	?	Hail
<p>Hail marble size and larger reported.</p>									
Sand Rock area, Cherokee County	07	1350CST			0	0	?	?	Hail
<p>Golf ball size hail reported.</p>									
Crossville area, Lamar County	07	1510CST							Funnel
<p>Police reported a funnel cloud near Crossville.</p>									
Hightoy area, Lamar County	07	1510CST			0	0	2	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed a powerline near Alabama 17 south of Vernon and Crossville. Marble size hail was also reported.</p>									
Carrollton area, Pickens County	07	1600CST			0	0	2	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed some trees along Alabama 86 and Pickens County 35.</p>									
Cleveland area, Blount County	07	1605CST			0	0	2	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed some trees.</p>									
Jasper area, Walker County	07	1605CST			0	0	?	?	Hail
<p>Hail to 3/4 inch in diameter reported.</p>									
Summerville, Morgan County	07	1620CST			0	0	2	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed trees.</p>									
Geraldine, DeKalb County	07	1636CST			0	0	?	?	Hail
<p>Hail to 3/4 inch in diameter reported.</p>									
Huntsville, Madison County	07	1640CST			0	0	?	?	Hail
<p>Hail to 3/4 inch in diameter reported.</p>									
Marshall County	07	1645CST			0	0	2	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed trees in the Scant City Wind and Cuntersville Lake areas.</p>									
Cullman County	07	1647- 1720CST			0	0	4	0	Thunderstorm/ Wind, Hail
<p>Golfball size hail was reported at Cood Hope at 1647CST and wind damage was scattered from Bug Tussle SW of Cullman to the Phelan and Bolte areas east and south of Cullman. Some outbuildings were destroyed, trees downed and at least one house was damaged by a falling tree in Bolte.</p>									
Snead area, Blount County	07	1700CST			0	0	2	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed some trees, with power outages reported.</p>									
Sardis area, Etowah County	07	1705CST			0	0	4	0	Thunderstorm/ Wind
<p>Trees were downed along Alabama 179 west of Sardis, and two roofs were reported to have been torn off in Sardis where one house and one barn were damaged by falling trees. Some powerlines were also downed.</p>									
Fr. Payne area, DeKalb County	07	1707CST			0	0	3	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed trees and powerlines.</p>									
Ashland area, Clay County	07	1809CST			0	0	2	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed some trees west of Ashland.</p>									

## ALABAMA

12SE Ashland, Clay County	07	1835CST	.25	200	0	0	4	0	Tornado (F1)
<p>A tornado touched down near the Mt. Olive Church near Alabama 77 in SE Clay County, near the Randolph County line. Windows were blown out of some homes and the church was reported to have received substantial damage. Trees were also twisted off. A Deputy Sheriff spotted two funnel clouds with the storm just before it touched down.</p>									
Montgomery area, Montgomery County	07	1850- 1903CST			0	0	3	0	Thunderstorm/ Wind
<p>Winds gusted to 58mph at Dannelly Field at 1850CST, and trees were reported down along with marble size hail in Montgomery at 1903CST.</p>									
Collirene, Lowndes County	07	1855CST			0	0	4	0	Thunderstorm/ Wind
<p>Trees were reported down on two houses.</p>									
Titus area, Elmore County	07	1900CST			0	0	4	0	Thunderstorm/ Wind
<p>Three houses were damaged and trees downed by thunderstorm winds.</p>									
Tallapoosa County	07	1900- 1930CST			0	0	4	0	Thunderstorm/ Wind
<p>Trees were reported downed between Reeltown and Camp Hill. Trees were also reported down in the Willow Point area of Lake Martin. One cabin was damaged by a falling tree and downed trees blocked parts of Alabama 49 and Alabama 89.</p>									
Chambers County	07	1930CST			0	0	1	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed some trees south of LaFayette.</p>									
Opelika, Lee County	07	2020CST			0	0	1	0	Thunderstorm/ Wind
<p>Trees downed by thunderstorm winds.</p>									
Andalusia, Covington County	09	1507CST			0	0	3	0	Thunderstorm/ Wind, Hail
<p>Thunderstorm winds, that police reported to have lasted 3 minutes, toppled some trees, damaged at least one roof and blew out a large plate glass window. Golf ball size hail was also reported.</p>									
Tombigbee River, Washington County	09	Afternoon			1	0	0	0	Lightning
<p>A 46 year old man was killed by lightning while he and his wife were boating back to their campsite. The woman was reported to have been knocked from her seat, apparently on the opposite end of the boat, but was not injured.</p>									
Jefferson County	10	0145CST			0	0	?	?	Hail
<p>Police reported golf ball size hail between Trussville and Springville on I-59.</p>									
25W Hacoda, Geneva County	11	Morning			0	0	4	0	Lightning
<p>Lightning ignited a fire that caused extensive damage to a home.</p>									
Limestone County	17	1441CST			0	0	?	?	Thunderstorm/ Wind
<p>Winds to 50 to 60 mph reported at Browns Ferry Power plant.</p>									
Decatur area, Morgan County	17	1505CST			0	0	3	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed trees and blew a utility building into a swimming pool. Glass doors to the emergency room of a hospital were also ripped off.</p>									
Madison County	17	1512- 1520CST			0	0	3	0	Thunderstorm/ Wind
<p>Winds to 60 mph were reported in Madison and trees and powerlines were downed in Madison and Huntsville.</p>									
Welti, Cullman County	17	1540CST			0	0	4	0	Thunderstorm/ Wind
<p>Apparent downburst thunderstorm winds destroyed a large storage building and scattered debris several hundred feet away from the structure.</p>									
Red Bay, Franklin County	17	2055CST			0	0	4	0	Thunderstorm/ Wind
<p>Thunderstorm winds overturned a mobile home.</p>									
Limestone County	17	2200CST			0	0	2	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed some trees and powerlines.</p>									
Boaz area, Marshall County	25	1530CST			0	0	3	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed a few trees and falling trees downed some powerlines. Small hail also reported.</p>									
Choctaw Bluff, Clarke County	25	1920CST			0	0	2	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed trees. One road was blocked by fallen trees.</p>									
McIntosh, Washington County	25	2002CST			0	0	2	0	Thunderstorm/ Wind
<p>Thunderstorm winds downed a few trees and some powerlines.</p>									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

## ALABAMA

Mobile area, Mobile County	26	1730CST				0	0	0	0	Waterspout A waterspout was reported to have reached the shore of Mobile Bay just south of the East Fowl River bridge about 15 miles SSE of the Mobile airport.
Mobile Bay area, Mobile and Baldwin Counties	26	1740-1802CST				0	0	?	?	Thunderstorm/ Wind A severe thunderstorm was reported to have swamped some shrimp boats near the Dauphin Island Bridge and the crews were rescued by the Coast Guard. Other boats were damaged in the Ft. Morgan area. Some trees were downed and a marina was reported to have lost half its roof. There was also damage to the old barracks at Ft. Morgan.
Talladega, Talladega County	27	1440CST				0	0	2	0	Thunderstorm/ Wind Thunderstorm winds downed some trees.

## 2 ARIZONA

NONE REPORTED

## 3 ARKANSAS

Madison County	01	2030 CST				0	0	?	-	Wind Trees were downed by strong winds from thunderstorms at several locations between Huntsville and Saint Paul.
Carroll County	01	2050 CST				0	0	?	-	Wind Thunderstorms moved through the county, blowing down trees at Berryville and Green Forest.
Boone County	01	2115 CST				0	0	?	-	Wind Trees were blown down north of Ridgeway, along U. S. 65 and along Highway 14 in the northeast portion of the county.
Marion County	01	2150 CST				0	0	3	-	Wind The Sheriff's Office reported downed trees and utility poles near Bull Shoals Reservoir. Roofs on homes and vehicles were damaged by the trees and limbs.
Baxter County	01	2215 CST				0	0	?	-	Wind Thunderstorm winds knocked down trees along Highway 201 near Three Brothers. An unspecified structure was unroofed at Three Brothers. Trees were also blown down along Highway 101 at Red Bank, just south of Gamaliel.
Washington County	04	0000 CST				0	0	?	-	Wind Several trees were blown down in Fayetteville as a thunderstorm moved through the city. Signs and power lines were broken.
Carroll County	04	1644 CST				0	0	?	-	Hail Three-quarter inch hail fell two miles north of Berryville.
Lawrence County	05	1637 CST				0	0	?	-	Hail Automobiles were dented by large hail at Powhatan. Hail was described as marble size and larger.
Izard County	05	1745 CST				0	0	?	-	Wind/Hail Golfball-size hail accumulated up to four inches deep, 2 miles south of Melbourne. Trees were stripped of leaves by the hail, while some trees were knocked down by the wind.
Calhoun County	06	2005 CST				0	0	?	-	Hail Golfball-size hail was reported by the Sheriff's Office at Tinsman.
Perry County	10	1230 CST				0	0	?	-	Wind A strong thunderstorm blew down trees and a barn about 15 miles southwest of Perryville.
Lonoke County	10	1359 CST				0	0	?	-	Wind An old shed and some trees were blown down in Snake Island, or 12 miles south of Carlisle. Some of the trees had been uprooted.
Prairie County	10	about 1425 CST				0	0	3	-	Wind Winds from a thunderstorm damaged a combine shed, several trees and a pump shed between Beulah and Biscoe.
White County	10	1445 CST				0	0	4	-	Wind Thunderstorm winds damaged a portable building and about 100 camper tops at McRae. Several trees were blown down or uprooted, with one of them falling onto a home.

## ARKANSAS

Crittenden County	10	about 1525 CST				0	0	-	4	Hail Hail fell around the Marion area for 15 minutes. It ranged in size from 1/2 to 1 inch. Two farms received most of the damage, one lost 330 acres of cotton, the other farm lost 40 acres of soybeans and 85 acres of cotton.
Independence County	10	1602 CST				0	0	3	-	Wind A thunderstorm moved through Batesville, dumping marble-size hail and blowing down trees at the cemetery. Also, 3 large plate-glass windows were broken at a car dealer's showroom.
Mississippi County	11	1251 CST				0	0	2	-	Lightning A Blytheville home was struck by lightning. It shorted a fan and a television set.
Benton County	11	about 1425 CST				0	0	3	-	Lightning Lightning set a meter box on fire and partially damaged a home just northeast of Gravette.
Woodruff County	17	1515 CST				1	0	-	-	Lightning A farmer was plowing a field near Augusta during a thunderstorm. The lightning bolt threw the 39 year-old man completely off his tractor, killing him instantly.
Woodruff County	17	1522 CST				0	0	-	-	Hail The Police Department at Augusta reported golfball size hail in that city.
Conway County	17	1615 CST				0	0	-	-	Wind Several trees were blown down at Cherokee Park, across from Lock and Dam #9 on the Arkansas River, near Morrilton. A wind gauge at the dam recorded 50 MPH gusts with the thunderstorm.
White County	17	1658 CST				0	0	?	-	Wind Trees and power lines were blown down by gusts from a line of thunderstorms between Judsonia and Kensett.
Independence County	17	about 1700 CST				0	0	3	-	Lightning A storage building in Union Hill caught fire after lightning struck it.
Monroe County	17	1725 CST				0	0	3	-	Wind A Brinkley home received minor damage from a falling tree. The thunderstorm gusts were estimated up to 50 mph. A drive-in restaurant had several sections of a fence destroyed. The fence sections were anchored by brick pillars; six of which fell over.
Crittenden County	17	1730 - 1800 CST				0	0	4	-	Severe Thunderstorm Lightning struck and burnt to the ground a home in Horseshoe Lake. At the same time, wind blew down trees, and power lines. Some of the trees damaged the roofs of residences in Horseshoe Lake.
Lonoke County	17	1730 CST				0	0	4	-	Wind A thunderstorm blew a large tree down across a home in Cabot.
Saint Francis County	17	about 1800 CST				0	0	3	-	Wind Forty-seven mph winds were recorded by a radio station in Forrest City as a thunderstorm moved through the area. It knocked down numerous trees and power lines throughout the city. At least one home received roof damage from a falling tree.
Phillips County	17	1810 CST				0	0	-	-	Hail Nickel-size hail fell near Helena.
Pulaski County	17	1835 CST				0	0	-	-	Wind/Hail Hail fell over the southwestern sections of Little Rock. Size ranged from 1/2 to 3/4 inch. Several trees were knocked down in Jacksonville.
Jefferson County	17	2040 CST				0	0	-	-	Hail A spotter reported golfball size hail in Pine Bluff.
Chicot County	17	2045 CST				0	0	-	-	Hail The Sheriff's Office reported dime-size hail at Lake Village.
Garland County	17	about 2225 CST				0	0	3	-	Wind A thunderstorm blew down trees on a Hor Springs residence, damaging 3 cars parked in a driveway.
Grant County	17	about 2225 CST				0	0	4	-	Wind Strong winds from a thunderstorm turned over a camper onto a car, and damaged some mobile homes in Prattsville.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

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

## ARKANSAS

Saline County	17	2230 CST			0	0	4	-	Lightning
Firemen battled a house fire for 1-1/2 hours in Benton, after lightning struck the home.									
Poinsett County	25	1355 CST			0	0	4	-	Wind
Trees, power lines, and signs were blown down by thunderstorm winds in Truman. Several roofs on homes, commercial buildings, and apartments were damaged.									
Prairie County	25	about 1625 CST			0	0	3	-	Wind
A thunderstorm blew down 2 trees in DeValls Bluff. One tree cut power lines, and the other damaged the roof of a mobile home.									
Cleburne County	26	1455 CST			0	0	4	-	Wind
An empty mobile home was destroyed by gusts from a thunderstorm. Several trees were knocked down and another house had minor roof damage.									
Clay County	26	1510 CST			0	0	3	-	Wind
A tree was blown down across a carport in Piggott by a thunderstorm.									
Clay County	30	1330 CST			0	0	3	-	Lightning
Lightning started an attic fire at a home in North Corning.									

## 4 CALIFORNIA, Northern

Western Kern County	02	1900 PST						4	Hail
Hail between 1/4" and 1/2" damaged approximately 300 acres of pistachios.									

## 4 CALIFORNIA, Southern — NONE REPORTED

## 5 COLORADO

Jefferson County	2	1345MST			0	0	0	0	Hail
3/4 inch hail fell in the southwest part of the Denver metro area.									
Washington County	2	1730-1800MST			0	0	3	5	Hail
Hail cut a swath 2 to 3 miles wide and 15 to 20 miles long through southern Washington County. At Lindon the hail piled up 2 to 4 inches deep; the largest stones were 7/8 inch in diameter. An estimated 3000 acres of crops, mostly wheat, were destroyed by the hailstorm; 10 to 12 thousand acres were damaged. Total dollar damage will probably be between 300 and 500 thousand dollars. The hail also damaged some roofs in Lindon.									
Arapahoe County	2	1904MST			0	0	0	0	Hail
1 inch hail fell near Deer Trail.									
Douglas County	2	1934-1945MST	1	50	0	0	0	0	Tornado (F1)
A tornado was spotted 5 miles southwest of Castle Rock at 1934. A small twister noted 10 miles northwest of Palmer Lake at 1940 was probably the same storm. FPP111									
Arapahoe County	3	1445MST	1/2	100	0	0	3	0	Tornado (F1)
A tornado was sighted 8 miles west of Watkins. It caused minor damage to a barn and trailer. FPP102									
Arapahoe County	3	1448-1451MST	1/2	100	0	0	0	0	Tornado (F1)
A tornado was spotted and filmed just southeast of Aurora by a National Weather Service employee. FPP102									
El Paso County	3	1815MST	1/2	50	0	0	0	0	Tornado (F1)
A tornado touched down briefly near Ellicott. FPP101									
Elbert County	3	2038-2052MST	2	50	0	0	0	0	Tornado (F1)
A tornado was spotted near Simla. FPP111									
Eastern Colorado	3	1330-2200MST			0	0	3	?	Severe Tsms.
In addition to the tornadoes, severe thunderstorms brought heavy rain, large hail, and strong winds to many areas of Northeast and East-central Colorado. However, little damage was reported other than a couple of road washouts and some street flooding.									

## COLORADO

### SUMMARY OF SEVERE WEATHER ON JUNE 3...

1342	1	1	20	0	0	4	0	0	Tornado (F1)
1345	1 inch to baseball size hail in south Lakewood.								
1356	Golfball size hail in extreme southwest Denver								
1403	1 inch hail in Littleton (W. Arapahoe Co.)								
1421-1430	3/4 to 1 inch hail in south Aurora (W. Arapahoe Co.)								
1434-1436	1 inch hail in east Aurora (W. Arapahoe)								
1436	1 1/4 inch hail in southeast Denver								
1635	1 inch of rain in 20 minutes in north Fort Collins (E. Larimer Co.)								
1655	Wind gusts to 61 mph in Loveland (SE Larimer)								
1705	1.55 inches of rain in 55 minutes 3 miles southwest of Fort Collins								
1700-2100	5 1/2 inches of rain in 4 hours at Fort Morgan (Cntrl. Morgan Co.)								
1730-1745	3/4 inch hail at Eaton (W. Weld Co.)								
1737	Gust to 69 mph 6 miles SW of Greeley (SW Weld Co.)								
1810	6 inches of hail on the ground at Windsor (W. Weld)								
1830-2300	3.11 inches of rain in 4 1/2 hours at Sterling (Logan Co.)								
2109	Golfball size hail at Limon (NW Lincoln Co.)								
2135	2 3/4 inch hail at Hugo (N. Lincoln)								
El Paso County	9	1530MST	1	20	0	0	4	0	Tornado (F1)
A tornado touched down just inside El Paso County, three miles southeast of Woodland Park. The twister uprooted trees, broke an underground gas line, and slightly damaged a house. There were a few power outages. FPP111									
Douglas County	9	1530MST	1/2	30	0	0	0	0	Tornado (F1)
A tornado touched down near Larkspur, staying on the ground for two or three minutes. FPP101									
El Paso County	9	1550-1620MST			0	0	5	0	Hail
Golfball size hail fell in Colorado Springs at 1550, denting cars and stripping trees. By 1620, the storm had moved 10 miles east of the city, where 3/4 inch hail piled up two inches deep on the ground. Golfball size hail also fell at the Air Force Academy around 1600.									
Jefferson County	9	aftn.			0	0	0	0	High Wind
A gust of 62 mph was recorded at Golden Gate Canyon, in the foothills west of Denver.									
Pueblo County	9	1600MST			0	0	0	3	Hail
6 inches of hail piled up on the ground at Colorado City, damaging wheat near the town.									
Montrose County	16	1500MST			0	0	0	0	High Wind
A gust of 58 mph was recorded at Montrose.									
Pueblo County	16	1512MST			0	0	0	0	High Wind
A gust of 61 mph buffeted Pueblo.									
Weld County	20	1310MST			0	0	0	0	High Wind
A thunderstorm caused a microburst gust of 60 mph at Nunn.									
Morgan County	20	1435MST			0	0	0	0	High Wind
Another microburst hit Fort Morgan with 60 mph winds.									
Jefferson County	20	2000MST			0	0	0	0	High Wind
A gust of 61 mph was clocked at Golden Gate Canyon.									
Boulder County	21	0145MST			0	0	0	0	High Wind
Longmont was buffeted by a 60 mph gust.									
Otero County	23	1430MST			0	0	3	0	High Winds
Wind gusts tore a deck roof off a house in La Junta, and damaged the house's sliding doors.									
Summit County	24	1250MST			2	0	3	0	High Winds
A thunderstorm microburst suddenly hit Lake Dillon, overturning a sailboat. Two people drowned in the cold water. The gust moved onshore and unroofed a Dillon home.									
Larimer County	24	1405MST			0	0	0	0	High Winds
A wind gust of 58 mph was clocked in Loveland.									
Morgan County	24	1405MST			0	0	0	0	High Winds
A thunderstorm microburst of 69 mph hit Fort Morgan.									
Moffat County	25	1230MST			0	0	0	0	High Winds
A spot 2 miles southwest of Craig recorded a gust of 62 mph.									
Jefferson County	25	1230-1330MST			0	0	0	0	Heavy Rain
A thunderstorm dropped half an inch of rain at Kittredge in just 15 minutes. An inch fell in Golden, with 1.10 inches at Evergreen. The storm later moved into the Denver area and produced heavy rain and small hail.									
Arapahoe County	25	1419-1425MST	1	50	0	0	0	0	Tornado (F1)
A tornado touched down 1 1/2 miles southeast of Byers and was observed by a PROFS chase team. FPP111									
Arapahoe County	25	1425MST			0	0	3	0	Hail, Wind
The thunderstorm that produced the Byers tornado also dropped 1 inch hail in the area, and wind gusts knocked down a few power poles.									
Cheyenne County	25	1615MST			0	0	4	0	High Winds
A thunderstorm produced wind gusts that demolished a house trailer and overturned a camper in Cheyenne Wells.									



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>COLORADO</b>									
Mountains, Front Range	25-26				0	0	0	0	Rain, Snow
	Precipitation fell in many areas of Colorado. 1 to 2 inches of rain fell in the Denver area, but the airmass was unusually cold for the season and snow fell in the mountains as low as 8 thousand feet. 2 to 3 inches fell near Aspen, and at Winter Park and Echo Lake near Mount Evans in Clear Creek County. Trail Ridge Road in Rocky Mountain National Park was closed for three hours as wind whipped the snow into two foot drifts.								
Boulder County	26	1530MST			0	0	0	0	Hail
	1 inch hail fell 6 miles east of Longmont.								
Weld County	30	1205MST			0	0	0	0	High Wind
	A thunderstorm microburst produced a wind gust of 60 mph at Nunn.								
Yuma County	30	1906-1920MST	2	50	0	0	0	0	Tornado (F1)
	A tornado touched down 5 miles northwest of Yuma and moved eastward through open country. FPP111								
<b>6 CONNECTICUT</b>									
Statewide	01	Early Morning			0	0	3	0	Lightning
	Heavy thunderstorms with vivid lightning caused power failures in 48 communities across the state, and up to 22,000 electric customers were affected by the outages. A lightning-caused fire caused some minor damage to a home in Norwalk.								
Litchfield, Hartford and Tolland Counties	20	1610-1745EST			0	0	3	0	Thunderstorm Winds
	A series of thunderstorms with gusty winds knocked down trees and power lines in parts of the area including Woodbury, Torrington, South Windsor, Willington, Ellington, and Manchester.								
Windham County	24	1245-1315EST	10.0	30-100	0	0	6	?	Tornado (F1)
	A small tornado touched down in rural, northeastern Connecticut in the town of Woodstock at 1:45 P.M. E.D.T. and moved on a generally east-southeastward track through the towns of Woodstock, Pomfret, Putnam and Killingly. The funnel moved along at generally tree-top level throughout its course, tearing up thousands of trees but doing relatively light structural damage. In Woodstock, a 200-ft. long, concrete block chicken coop was totally demolished. A number of homes along the path of the tornado were damaged by falling trees. Five sheds were demolished near Ballouville, and an apartment building there lost parts of its roof. In Killingly, a portion of a roof to a factory was blown off. Damage was estimated at about \$600,000 along the total track of the storm, which was a confirmed tornado by NWS investigation. It was the 6th tornado to be reported in Windham County during the past three hundred years.								
Statewide	24	Afternoon			0	0	4	0	Lightning
	Heavy thunderstorms moving across the state produced considerable lightning which caused power outages to thousands of electric customers. A number of homes were struck by lightning and some fires resulted. In Westport, damage was estimated at \$30,000 as a result of a roof and attic fire caused by lightning. Statewide, about 39,000 electric customers lost service during the storms. In Monroe, lightning struck two buildings, blowing a hole in the foundation of one of the buildings. In the coastal waters off Stonington near Fishers Island, a fishing dragger was struck by lightning and sustained fire damage to the engine room.								
<b>7 DELAWARE</b> ————— NONE REPORTED									
<b>8 FLORIDA</b>									
Lorida, Highlands Co.	04	1600EST			0	0	2	-	Thunderstorm Wind
	Two mobile homes were damaged by high wind. Several backyard sheds were destroyed by the high wind.								
Tavares, Lake Co.	04	1730EST			0	0	3	-	Thunderstorm Wind
	High wind damaged 12 homes, mainly through tree limbs falling on roofs or through windows.								
Arcadia 5mi S, Desoto Co.	04	1745EST	0.5	10	0	0	5	-	Tornado (F1)
	A tornado moved through a state hospital complex, damaging the roofs of ten buildings, windows and aluminum storage sheds. Several trees were uprooted. The funnel cloud was observed to move from the west just before it touched down.								
<b>FLORIDA</b>									
Callahan, Nassau Co.	05	1900EST			0	0	2	-	Thunderstorm Wind
	High wind knocked down two electric poles. damaged a tin roof and jarred a front porch three feet from its foundation.								
Ocala, Marion Co.	07	1600EST			0	0	2	-	Thunderstorm Wind
	High wind destroyed a barn and damaged one home and a garage.								
Haines City, Polk Co.	08	1700EST			0	0	4	-	Thunderstorm Wind
	Fifteen mobile homes were damaged by high wind. Aluminum sheds and awnings were destroyed.								
Daytona Beach, Volusia Co.	08	1908EST			0	0	0	-	Hail
	Reports of one inch hail.								
Davie, Broward Co.	09	1348EST			0	0	2	-	Thunderstorm Wind
	High wind damaged several mobile homes and destroyed porch screens.								
New Smyrna Beach, Volusia Co.	11	1400EST			0	1	-	-	Lightning
	A 61 year old golfer was struck and injured by lightning.								
Orlando, Orange Co.	12	1300EST			0	0	4	-	Thunderstorm Wind
	Several storage buildings were destroyed, the roofs of two duplexes were destroyed, and four homes were damaged by fallen trees.								
New Smyrna Beach, Volusia Co.	12	1730EST			0	0	4	-	Lightning
	Lightning struck an unoccupied mobile home and started a fire which destroyed the mobile home.								
Lake Placid, Highlands Co.	22	1520EST			0	0	3	-	Lightning
	Lightning started a fire which destroyed a mobile home.								
Dunnellon, Citrus Co.	28	2000EST			0	0	4	-	Lightning
	Lightning started a fire which destroyed a frame house.								
High Springs, Alachua Co.	30	0930EST	1.0	10	0	0	5	-	Tornado (F1)
	Several trees were downed and the tornado destroyed seven airplanes and a hanger at High Springs Airport.								
<b>9 GEORGIA</b>									
State wide	01-07				6	0	?	?	Heat
	Temperatures climbed into the upper 90s and above the 100 degree mark across the state for the entire first week of June. Many cities reported record daily high temperatures. Heat stroke and dehydration was blamed on six deaths and another 121 people were treated for heat related illnesses. Agriculture suffered heavy losses due to the heat. The heaviest losses were among chicken raisers and vegetable farms. The breakdown of the deaths follows.								
	6/4/85 Muscogee County, female age 75 6/4/85 Montgomery County, male age 64 6/6/85 Henry County, male age 40 6/6/85 Muscogee County, male age 59 6/6/85 Peach County, female age 76 6/7/85 Peach County, female age 98								
Richmond County	02	1535 EST			0	0	3	?	Hail
	Hail up to one and a half inches in diameter fell at Augusta's Bush Field.								
Columbia County	02	1610 EST			0	0	3	?	Hail
	Hail, 1/4 to 3/4 inch in diameter fell between Evans and Martinez.								
Chatham County	02	1715 EST			0	0	3	0	Wind
	Thunderstorm winds uprooted trees and downed power lines on the southside of Savannah.								
Chatham County	02	1800 EST			0	0	3	0	Wind
	Thunderstorm winds downed a few trees on the southside of Savannah.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

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

**— GEORGIA**

Ware County	06	1630 EST				0	0	4	0	Wind
Thunderstorm winds unroofed a trailer 10 miles northwest of Waycross.										
Ware County	06	1645 EST				0	0	4	0	Wind
Thunderstorm winds downed trees and power lines in Waycross and in southeast Ware County at scattered locations. A wall at a car dealership was blown down and a house damaged when a tree fell across it in Waycross. Utility lines suffered heavy damage, mainly by falling limbs.										
Gilmer County	06	1727 EST				0	0	?	?	Hail
Golf ball size hail fell six miles northwest of Ellijay.										
Pierce County	06	1730 EST				0	0	4	0	Wind
Thunderstorm winds uprooted trees and destroyed a mobile home and a car three miles southwest of Blackshear. Other trees blocked a road and damaged a house. Trees and power lines were downed in Blackshear.										
Dawson County	06	1744 EST				0	0	3	0	Wind
Thunderstorm winds downed trees in scattered locations in the northern part of the county.										
Lumpkin County	06	1759 EST				0	0	3	0	Wind
Thunderstorm winds downed a few trees in the western part of the county.										
Montgomery County	06	1810 EST				0	0	3	?	Hail, Wind
One inch diameter hail fell and a few trees were uprooted by thunderstorm winds at Uvalda in the southern part of the county.										
Laurens County	06	1920 EST				0	0	4	0	Winds
Thunderstorm winds destroyed a mobile home 10 miles south of Dublin.										
Appling County	06	1920 EST				0	0	4	0	Wind
A mobile home was destroyed by thunderstorm winds and a convenience store damaged north of Baxley near Plant Hatch. Trees and power lines were downed in Baxley.										
Toombs and Montgomery Counties	06	1930 EST				0	0	?	0	Wind
Several roads were blocked in both counties by uprooted trees.										
Wheeler County	06	2040 EST	.4	30		0	0	5	0	Tornado (F1)
A tornado touched down and tore most of the roof off the Wheeler County Junior High School in Alamo. The roof was partially torn off a public housing unit across the street and many trees downed along the path.										
Effingham County	06	2345 EST				0	0	4	0	Wind
Thunderstorm winds blew trees down and damaged utility lines in Egypt, Shawnee, Guyton and Springfield. A tree fell on a house outside of Springfield on Highway 119.										
Chattooga County	07	1330 EST				0	0	?	?	Hail
Hail up to one inch in diameter fell in Summerville.										
Cobb County	07	1513 EST				0	0	?	?	Hail
Hail up to 1 1/4 inches in diameter fell in northern Cobb County.										
Union County	07	1515 EST				0	0	?	0	Wind
A few trees were uprooted by thunderstorm winds in scattered areas of the county.										
DeKalb County	07	1550 EST						0	0	Funnel
A funnel cloud was spotted over Tucker.										
Fulton County	07	1550 EST				0	0	?	?	Hail
Hail 3/4 inch in diameter fell in northern Fulton County near Roswell.										
Haralson County	07	1600 EST				0	0	?	?	Hail
Golf ball size hail fell at Tallapoosa, covering the ground for a time. Hail one inch in diameter fell a few minutes later in Buchanan.										

**— GEORGIA**

Gwinnett County	07	1613 EST				0	0	?	?	Hail
Golf ball size hail fell in Lawrenceville. Hail 3/4 to one inch in size fell over a large part of the north half of the county.										
Paulding County	07	1615 EST				0	0	3	0	Wind
Thunderstorm winds downed several trees in Dallas. Many homes were damaged by falling limbs.										
Gwinnett County	07	1618 EST						0	0	Funnel
A funnel cloud was spotted 8 miles southeast of Norcross.										
Habersham County	07	1630 EST				0	0	?	?	Wind
Trees and power lines were downed by thunderstorm winds at scattered locations across the county.										
Gwinnett County	07	1630 EST				0	3	0	0	Lightning
Three people were sent to the hospital for treatment after being struck by lightning in Snellville. Two of the victims were sitting on a car when the lightning struck the car.										
Hart County	07	1630 EST				0	0	4	?	Wind
A mobile home was destroyed when an uprooted tree fell across it six miles north of Hartwell. Another mobile home was moved off its foundation and a third was damaged by thunderstorm winds. A chicken house was destroyed and another damaged in the same area. Many roads were blocked by fallen trees.										
Hall County	07	1640 EST				0	0	?	?	Hail
One inch size hail fell in the eastern part of the county.										
Jackson County	07	1655 EST				0	0	2	0	Wind
Winds as high as 60 mph were responsible for minor roof damage in Jefferson.										
Rabun County	07	1657 EST				0	0	3	0	Wind
Thunderstorm winds uprooted trees at scattered locations, mainly in the south part of the county.										
Gwinnett County	07	1658 EST				0	0	?	?	Hail
One inch diameter hail fell a mile southeast of Snellville and covered the ground.										
Madison County	07	1700 EST				0	0	?	0	Wind
A few trees were uprooted by thunderstorm winds, downing several power lines.										
Cobb County	07	1715 EST				0	0	4	0	Wind, Hail
Hail 3/4 inch in diameter fell in northwest Atlanta near Interstate 285. Winds were estimated to be over 60 mph and several large pine trees were uprooted. Hail to one inch in size fell near Smyrna. Trees were uprooted at scattered locations over the east part of the county.										
Paulding County	07	1730 EST				0	0	4	?	Winds
Several more trees were downed in Dallas as another in a series of thunderstorms moved through the county.										
Douglas County	07	1730 EST				0	0	4	0	Wind
A house was damaged when a tree was uprooted by thunderstorm winds in Douglasville.										
Newton County	07	1735 EST				0	0	?	?	Hail
Hail 3/4 inch in diameter fell at Oxford.										
Fulton County	07	1745 EST				0	0	?	?	Wind
Winds gusted to 58 mph at Fulton County Airport.										
DeKalb County	07	1815 EST				0	0	?	?	Wind
Several trees were uprooted in the eastern part of the county.										
Paulding County	07	1830 EST				0	0	?	?	Hail, Wind
Hail 3/4 inch in diameter fell at Dallas. Several trees were uprooted at scattered locations in the county. Hail up to one inch in diameter fell over the eastern part of the county. Thunderstorms had now been affecting Paulding County for nearly five continuous hours.										
Cobb County	07	1835 EST				0	0	?	?	Hail, Wind
Winds were measured to 71 mph at Dobbins Air Force Base. A few trees were uprooted near the base. One inch hail fell just north of Marietta a few minutes later.										



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

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

## ILLINOIS

Tremont, Tazewell County	23	1230CST	?	?	0	0	3	3	Hail 1-1/2 inch hail fell in and around Tremont, resulting in minor damage to automobiles, roofs and area farm crops.
Dewitt County	23	1303CST			0	0	3	?	Severe Thunderstorm Thunderstorm winds of 55 to 65 mph, accompanied at times by 1/4-inch hail, toppled many trees and large limbs in Clinton and Wapella.
Macon and Moultrie Counties	23	1330CST			0	0	3	2	Severe Thunderstorm Fifty to 60 mph winds blew down many trees and several utility poles across southern Macon and northern Moultrie Counties.
Effingham County	23	1330CST			0	0	2	?	Severe Thunderstorm High thunderstorm winds pulled down trees in Beecher City and Shunway.
Robinson, Crawford County	23	1400CST			0	0	3	0	Severe Thunderstorm Thunderstorm winds downed large trees in Petersburg in Pike County.
7 E Litchfield, Montgomery County	23	1405CST			0	0	0	2	Severe Thunderstorm 65 mph winds flattened 2 acres of corn.
Barnhill, Wayne County	23	1600CST	3	?	0	0	3	4	Hail Hail one-quarter to 1 and one-half inches in diameter smashed farm crops, stripped leaves from trees, shattered several windows, dented 10 automobiles and damaged roofs and green-houses in the Barnhill area. Hail of varying size hit about 5pm CDT in the area from Barnhill, east to the Barnhill crossroads. A few hailstones were measured as large as 1 1/4 inches in diameter an hour and a half after the storm had ended.
Fayette, Effingham, Jasper, Crawford, and Richland Counties	24	1226-1520CST	85	?	0	0	?	5	Hail A large thunderstorm produced an intermittent path of hail from Fayette County on the west to Crawford County on the east, a distance of 85 miles. Much of the time the hail was small and did no damage, but occasionally 1-2 inch hail flattened farm crops. Golf-ball hail was first observed 3 NW of Vandalia (Fayette County) at 1226 CST. From there the hail area extended east across southern Effingham County, with 1-2 inch stones reported 2 to 6 miles south of Altamont and also in the Bethlehem-Mason-Edgewood area, where 2-inch hailstones covered the ground and devastated fields of corn, beans and soybeans. One to 2 inch hail fell next at 1440CST west of Newton (Jasper County) and in the Olney area (Richland County). Continuing eastward, 1-2 inch hail next damaged field crops in the Robinson area (Crawford County) around 1520CST.
Maroa, Macon County	24	1330CST			0	0	0	0	Funnels Two funnel clouds aloft, observed by many people, moved slowly eastward across the town.
Shelby, Coles, and Clark Counties	24	1510-1615CST			0	0	?	5	Severe Thunderstorm, Funnels A severe thunderstorm moved east from Shelby County across Coles into northern Clark County, producing a variety of severe weather conditions. A funnel cloud aloft was first observed over Wolf Creek State Park (Shelby County) about 1510CST. Another funnel aloft appeared over northern Coles County about 1518CST near Humboldt. Both funnels dissipated without touching down. The thunderstorm reached its greatest intensity over northwestern Clark County. One-inch hail flattened 600 acres of farm crop in the Westfield and Martinsville areas, and a small tornado (see separate report below) occurred 4 W of Martinsville.
4 W Martinsville, Clark County	24	1540CST	short narrow		0	0	3	?	Tornado (F0) A small weak tornado touched down briefly, causing minor damage to a few barns and sheds.
Fisher, Champaign County	27	1437-1449CST			0	0	0	0	Funnel A funnel aloft, observed by many people, moved slowly east near the town of Fisher, eventually dissipating without ever touching down.
Seneca, La Salle County	29	0035CST	.8	.2	0	0	3	0	Wind A band of high winds blew through mid-town Seneca, leaving a path of damage 1/2 city blocks wide and approximately 6 blocks long. Many trees were blown down, siding was torn from houses, a trailer was flipped over, TV antennas were bent and several chimneys were knocked down.
extreme SE Stark County	30	1739CST			0	0	?	?	Hail One-inch hail was reported in a rural area between Stark and Speer in extreme southeast Stark County.

## 12 INDIANA

Morocco, Newton County	02	2125EST			0	0	0	0	Hail Golf ball size hail reported.
5 E. Kokomo, Howard County	02	2132EST			0	0	3	0	Thunderstorm Wind One tree uprooted by strong thunderstorm winds.
Santa Claus, Spencer County	04	1730EST			0	0	2	0	Thunderstorm Wind Trees were blown down and large limbs blown off near Santa Claus in Spencer County.
IW. Evansville, Vanderburgh County	10	0010EST			0	0	2	0	Thunderstorm Wind Thunderstorm winds blew large limbs off trees and caused power outages west of Evansville.
Booneville, Warrick County	10	0013EST			0	0	3	0	Thunderstorm Wind Large trees and power lines were blown down by strong thunderstorm winds in and near Booneville.
Petersburg, Pike County	10	0020EST			0	0	3	0	Thunderstorm Wind Thunderstorm winds downed large trees in Petersburg in Pike County.
Tell City, Perry County	10	0053EST			0	0	3	0	Thunderstorm Wind Large trees and power lines were downed by thunderstorm winds in Tell City.
Ferdinand, Dubois County	10	0055EST			0	0	3	0	Thunderstorm Wind Strong thunderstorm winds blew down large trees near Ferdinand.
St. Meinrad, Spencer County	10	0057EST			0	0	3	0	Thunderstorm Wind A garage was damaged and trees were downed by strong thunderstorm winds in St. Meinrad.
5 S. Shelbyville, Shelby County	11	1700EST			0	0	2	0	Thunderstorm Wind Strong thunderstorm winds uprooted a two foot diameter tree.
Alpine, Fayette County	11	1715EST			0	0	2	0	Thunderstorm Wind Several trees were uprooted by strong thunderstorm winds, blocking State Road 121. Large tree limbs were downed through the town of Alpine.
Westport, Decatur County	15	1635EST			0	0	0	0	Hail 1/2 to 3/4 inch diameter hail was reported just to the north and west of the town of Westport.
Newbern, Bartholomew County	15	1830EST			0	0	2	0	Thunderstorm Wind A few trees were uprooted by thunderstorm winds near the town of Newbern in eastern Bartholomew County.
2 N. Urbana, Wabash County	15	1930EST			0	0	3	3	Hail One inch diameter hail damaged cars and destroyed crops.
7 S. Huntington, Huntington County	15	2000EST			0	0	2	0	Thunderstorm Wind Strong thunderstorm winds blew the roof off a small outbuilding.
North Manchester, Wabash County	15	2000EST			0	0	3	0	Thunderstorm Wind Strong thunderstorm winds caused some damage to the roofs of several homes.
4 SW. Huntington, Huntington County	15	2010 EST	0.25	Narrow	0	0	4	0	Tornado (F2) A tornado with a path length of 1/4 mile destroyed two barns and a three-car garage. Also a number of trees were uprooted and large limbs blown down.
10 S. Wolcott, White County	15	2035EST			0	0	0	0	Hail 1/2 to 3/4 inch diameter hail was reported 10 miles south of Wolcott in western White County.
1 N. Bedford, Lawrence County	24	1720 EST			0	0	2	0	Thunderstorm Wind Trees were uprooted by strong thunderstorm winds.
Bloomington, Monroe County	24	1836 EST			0	0	4	0	Flash Flooding Heavy rain from a thunderstorm caused streams and creeks to overflow their banks. One car was near Bloomington, stranded in water up to its windows.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>13 IOWA</b>									
Central, Southwest and South Central Iowa	01	Evening			0	0	5	6	Thunderstorm with Hail and Wind
	Two very strong thunderstorms developed in the evening hours. One of these started in Cass County and moved southeast, the other first began to be severe in Greene County. This latter storm was the most destructive as it dropped golfball and bigger sized hail from east of Churdan to the vicinity of Grand Junction, and numerous trees were felled in Jefferson [1758-1816 CST]. The wind and hail continued into Boone County [1816-1851], causing damage to 60,000 acres in this county alone and plowing down trees and outbuildings almost continuously from northwest of Ogden to Ledges State Park to north of Madrid. The hail was the size of golfballs at Slater [1905] and caused still more destruction in Polk County [1905-1936]. The damage was less continuous in Jasper County, but large hail did fall between Mingo and Kellogg north of Newton [1920-2016]. The winds and hail finally petered out in Poweshiek County, though not before shredding fields of corn and soybeans, and knocking down outbuildings [1958-2030]. The storm that first started in Southwest Iowa dropped golfball size hail just north of Atlantic [1802] and again north of Massena [1835]. Hail the size of walnuts covered the ground at Pontanelle [1902]. In Union County the damage was more spotty, yet camping trailers were blown over at the State Park north of Creston and some farmers found damage done to their crops from hail [1915-1950]. There was a little bit of wind and hail damage in Southwest Clark and Northeast Ringgold Counties as the storm brushed by that area [1950-2000]. About 12 miles northwest of Leon there were cornfields that were stripped of all foliage by hail and the beans were just about wiped out. Some trees were uprooted by the storm as well [2000-2025].								
Kossuth and Wright Counties	11	1700-1900 CST			0	0	0	0	Cold Air Funnels
	Several cold air funnels were sighted in North Central Iowa, though none of these touched ground.								
Northwest and West Central Iowa	14	Afternoon -Evening			0	0	4	6	Thunderstorms with Hail
	Several strong thunderstorms developed in Northwest Iowa and moved to the south and southeast. In most of these storms there was hail, although it wasn't always the size that was remarkable so much as the duration of the hail and the depth to which it piled up. The larger hail was first noted in Clay County, where damage was quite widespread [1545-1620 CST]. Another thunderstorm cell moved into Plymouth [1535-1550] and Cherokee [1550-1615] Counties, then the damage skipped a bit before continuing into Ida County [1630-1700]. Damage from the hail was also noted in Northern Buena Vista County. More than one single storm struck in Crawford County where damage from hail was seen near Schleswig [1740-1810] and then in a couple of episodes near Manilla [1830-1845 and 1915-1930]. Another strong cell moved across from Minnesota and dumped up to 1-inch hail in Osceola and Dickinson Counties [1800-1830].								
Cherokee County	14	1545 CST			0	0	0	0	Funnel Cloud
	A funnel cloud was sighted 10 miles northwest of Holstein.								
Marshall County	14	2325 CST			0	0	0	3	Thunderstorm with Hail
	Nickel size hail and 40-50 MPH winds were reported at State Center by a Sheriff's Deputy.								
Southwest and South Central Iowa	16	Evening			0	0	5	5	Thunderstorms with Winds and Hail
	Strong thunderstorms left a trail of spotty damage due to hail and strong winds. At Avoca [1720 CST] some crops were damaged by 1 1/2 inch hail. Large trees were blown down at Marne by winds estimated at 60 to 80 MPH [1730-35] and hail as big as eggs damaged the corn and soybeans about 5 miles north of Massena [1830-1855]. Trees were knocked down and some outbuildings were destroyed by the wind on the Adair-Adams County Line south of Bridgewater [Approx. 1915-1920]. The worst damage to fields and gardens occurred in Adams County. Just a couple of miles south of Stringtown the hail was 1 inch in size and drifted to a depth of 1 foot in spots [2010-2020]. There was still hail on the ground the next day! At Cromwell [2030] in neighboring Union County, golfball size hail broke windows and stripped paint from a house. The storm nicked Northeast Taylor County [20210-2028] before moving into Ringgold County [2025-2130] with spotty hail damage and more continuous damage to trees and outbuildings, and snapping power poles. The power was out for over 30 minutes for some in Mt. Ayr, and a few farmsteads had no electricity for 5 hours.								
Cass County	16	1730-1830 CST			0	0	3	0	Flash Flood
	The waters rose quickly on Bull Creek, flooding some streets in Atlantic and leaving behind a pile of mud and debris.								
Union County	16	2000 CST	.1	10	0	0	0	0	Tornado (F0)
	A tornado was sighted just south of Cromwell but touched down for a very short time.								
Eastern Iowa	21	Evening			0	0	4	4	Thunderstorm Winds and Hail
	Thunderstorms moving across the State produced some heavy weather. Winds estimated at 60 MPH downed power lines at Centerville [1740 CST] and golfball size hail fell just west of Bloomfield [1750].								
Black Hawk County	21	1844 CST	.1	10	0	0	0	0	Tornado (F0)
	A tornado was spotted by a member of the public 6 miles north of Dunkerton.								
<b>IOWA</b>									
Central and East Central Iowa	23	Morning			0	0	4	4	Thunderstorm with Hail and Wind
	A line of thunderstorms developed quickly across Iowa after sunrise and began to drop penny size hail in Clive and Urbandale [0710-1715 CST]. The hail also fell north of Newton [approx. 0800] and was later reported at Iowa City [0900]. Trees falling into power lines knocked out the electricity in Oskaloosa for a short while [0821] and in Ottumwa winds gusted up to 76 MPH at the Airport [0839]. Damaging winds and nickel size hail was seen at Tipton [0921] and winds up to 70 MPH with golfball size hail occurred at Lowden [0950]. Golfball size hail with very strong winds continued on to Clinton [1005].								
Southwest and Central Iowa	23	Afternoon -Evening			0	0	5	6	Thunderstorms with Hail and Wind
	After only a short respite from the morning storms, the convection began once more with a vengeance. A fast-growing cell caused spotty hail damage in the vicinity of Osceola [1445]. A later storm left a swath of hail and wind damage from near Guthrie Center to northeast of Osceola. The path was virtually continuous from Guthrie County [1535-1610 CST] into Dallas [1605-1630] and Madison [1629-1730] Counties, and continued into Northeast Clarke County [1725-1750]. At Winterset 50 to 75 homes received slight to moderate damage, dozens of small trees were felled and a small hangar at the airport was destroyed. Numerous funnels (see below) were seen about this time as well. The hail was absent in Warren County, but the wind was ferociously strong, enough to destroy outbuildings, damage standing crops and almost knock an automobile off the Interstate [1705-1735 and again 1740-1750]. A lot of wind and hail damage occurred in a 4-mile strip through Lucas County [1735-1840] and continued into Western Monroe County [1835-1845]. Another storm made the ground white at Ankeny [1610] from golfball size hail, and large hail fell 4 miles north of Colfax [1639]. Meanwhile storms were building in Western Iowa; 3 to 4 inch hailstones at Honey Creek pelted cars, trucks and roofs [1550]. Large hail fell in Council Bluffs as well [1603], and still later at Harlan [1720]. In the vicinity of the tornado strike near Griswold (see below), baseball size hail was observed [1705-15] in both Cass and Pottawattamie Counties. Strong winds knocked down trees and power lines and hit outbuildings near Glenwood [1730 and again at 1850 CST]. A trailer was destroyed and many trees, sheds, cribs and bins were blown over in strong winds just west of Clarinda and Shambaugh [1805-15]. Several farmsteads in a row had damage near Bedford [approx. 1830].								
Pottawattamie and Mills Counties	23	1545 CST			0	0	0	0	Funnel Clouds
	Funnel clouds were reported about this time in the vicinities of Treynor, Carson, Mineola and Henderson.								
Cass County	23	1549 CST	.1	15	0	0	0	0	Tornado (F0)
	A tornado touched down briefly 3 miles north of Griswold.								
Pottawattamie County	23	1600 CST			3	1	0	0	Lightning
	Lightning struck and killed a man and a teenage boy, and injured another teenager as they stood under a tree at Lake Manawa State Park in Council Bluffs. The mother of the dead youth was severely burned by the lightning strike and later died of these injuries.								
Cass County	23	1606 CST	.1	15	0	0	0	0	Tornado (F0)
	A tornado touched down briefly 1 mile south of Griswold.								
Pottawattamie County	23	1612-1615 CST	1.5	50	0	1	5	3	Tornado (F1)
	A tornado touched down about 1 mile west-southwest of Griswold and moved northeast to 1 mile north of Griswold, damaging two farm homes, outbuildings, grain bins, and a fence and uprooting trees. One farmer north of Griswold suffered minor injuries. Witnesses reported seeing 3 separate vortices in this storm.								
Pottawattamie County	23	1625 CST			0	0	0	0	Funnel Cloud
	A funnel cloud was reported by the Sheriff near Council Bluffs.								
Madison, Clarke and Warren Counties	23	1630-1830 CST			0	0	4	4	Flash Flood
	Five inches of rain in a short time caused Broadhorn Creek in Southeast Madison County to rise 13 feet very quickly. "The highest the creek has risen since 1947" said the farmer who owned the flooded land. A bridge over a creek was washed away southeast of New Virginia.								
Clarke County	23	1648 CST			0	0	0	0	Funnel Cloud
	A funnel cloud was seen at Winterset.								
Mills County	23	1705 CST			0	0	0	0	Funnel Cloud
	A funnel cloud near Emerson was reported by spotters.								
Warren County	23	1723 CST			0	0	0	0	Funnel Cloud
	Yet another funnel cloud was spotted, southeast of Indianola.								
Union County	26	1355 CST			0	0	0	0	Funnel Cloud
	A funnel cloud was sighted west of Creston.								
Union County	26	1400 CST	.1	10	0	0	0	0	Tornado (F0)
	A tornado was spotted just north of Creston by a County Sheriff.								
Union County	26	1425 CST	.1	10	0	0	0	0	Tornado (F0)
	A tornado was reported between Creston and Orient.								
Dallas County	26	1437 CST	.1	10	0	0	0	0	Tornado (F0)
	A tornado was seen 4 to 5 miles west of Adel.								
Chickasaw County	26	Afternoon			0	0	4	0	Thunderstorm Winds
	A large barn that was more than 50 years old was ruined when the west wall collapsed in a heavy thundershower [approx. 1640 CST]. This was the only reported damage in the county.								
Carroll County	26	1745 CST			0	0	0	0	Funnel Cloud
	A funnel cloud was observed northwest of Coon Rapids.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE				CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS	KILLED	INJURED	PROPERTY	CROPS		
14 KANSAS														
Osage and Douglas Counties	01	1830-1915CST			0	0	3	4	Hail, Funnel					
			A severe thunderstorm formed near Overbrook and moved east-north-east to just south of Eudora. The storm dropped golfball size hail at Overbrook at 1836CST. A funnel sighted near Lone Star Lake at 1900CST remained in the air across Douglas County and finally dissipated south of Eudora about 1915CST.											
Sumner and Cowley Counties	01	2130-2230CST			0	0	4	3	Wind					
			A line of thunderstorms developed from western Sumner County through central Cowley County. Several storms along the line became severe, and one produced 60 to 75 mph winds 9 miles south of Wellington at 2159CST. The winds destroyed a mobile home a mile north of Winfield at 2215CST, and several trees were blown across the highway two miles north of Winfield.											
Sumner County	02	2050-2125CST			0	0	3	4	Hail					
			Marble to golfball size hail pummeled the area from 13 miles west of Wellington (2050CST) to Belle Plaine (2120CST) as a severe thunderstorm moved northeast across central Sumner County.											
Southeast Coffey and Southwest Anderson Counties	03	0900-0920CST			0	0	0	4	Hail					
			A severe thunderstorm developed near Leroy and moved east through Colony. Hailstones 1/2 to 3/4 inch in diameter fell at Colony at 0915CST.											
Derby, Sedgwick County	04	0035CST			0	0	3	0	Hail					
			A thunderstorm dropped 1.5 inch hail upon a small part of Derby.											
East Central Kansas	04	All Day			0	0	5	5	Flooding					
			Three to six inch rains in a 50 mile wide area from Abilene to Emporia and La Cygne sent small streams out of their banks and into fields. Streets were flooded and seven people were evacuated from their homes in Herrington where nearly 5 inches of rain fell. Emporia measured 6.03 inches of rain in the 24 hours ending at 0600CST, and a good many country roads were flooded near there. Runoff sent the Cottonwood and Marais Des Cygne Rivers to crests a few feet above flood stage. Some agricultural flooding resulted, but there was no major property damage.											
Garden City, Finney County	09	0528CST			0	0	2	0	Wind					
			A thunderstorm wind gust of 69 mph was measured at the Garden City Airport.											
Finney, Gray, Ford and Clark Counties	10	1515-1730CST			0	0	3	5	Hail, Wind					
			Severe thunderstorms formed northwest of Garden City and moved southeast toward Ashland. Hail caused considerable crop damage along the path. Three-quarter inch hail and winds estimated at 60 mph hit 10 miles north of Garden City at 1525CST, and 5 north of the city at 1610CST. Hail as large as ping pong balls and 70 mph winds were reported at Pierceville at 1620CST, and 3 north of Cimarron at 1707CST. Wind gusts estimated at 70 mph also hit Ford at 1723CST.											
Ashland, Clark County	10	1817CST	Short Narrow	0	0	0	0	0	Tornado (F0)					
			A tornado touched ground briefly 5 miles northeast of Ashland. No damage resulted.											
Reno, Sedgwick, Cowley, Butler, Chautauqua and Elk Counties	10	1900-2310CST			0	0	4	5	Wind, Flooding					
			A squall line developed across south central Kansas and moved southeast through the evening. It produced winds in excess of 60 mph which felled large trees and caused roof damage at Cheney Lake at 2120CST; in Wichita, where winds measured 66 mph at the Airport at 2045CST; in Udall at 2130CST; Winfield at 2140CST; Beaumont at 2145; Elk Falls at 2245CST and Sedan at 2310CST. Heavy rains, with 2 to 4 inches common, atop already saturated soil caused widespread minor flooding through the listed counties.											
Hamilton, Stanton, and Morton Counties	13	1830-2045CST			0	0	4	6	Hail, Wind					
			A severe thunderstorm developed north of Syracuse and moved south toward Elkhart. The storm dropped a great deal of large hail and caused considerable crop damage. Golfball size hail fell 8 miles northeast of Syracuse at 1830CST, and it covered the ground in Syracuse at 1850CST. A number of windows were broken in Syracuse. Golfball size hail and strong wind struck Johnson at 2010CST, and inch diameter hailstones and stiff winds hit Rolla at 2045CST.											
North Central to Southeast Kansas	14	1630-2230CST	200	50-90mi	0	2	6	5	Wind, Hail					
			A 50 mile-wide cluster of thunderstorms packing large hail and strong wind entered north central Kansas between Belleville and Washington. The storms spread and moved south-southeast through Manhattan, Emporia, Independence and finally entered Oklahoma between Arkansas City and Coffeyville.											
			Wind and hail damage was widespread along the path. A great deal of roof, tree and crop damage resulted, and windows were broken in many spots.											
			Worst damage occurred in Manhattan when winds of 60 to 80 mph and golfball size hail struck about 1740CST. A man was injured when he was hit by part of an aluminum storage shed. A woman was also injured when a tree limb crashed through the window of her car.											

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE				CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS	KILLED	INJURED	PROPERTY	CROPS		
<b>KANSAS</b>														
			The area around the Kansas State University Campus sustained a lot of damage. A cooling tower was knocked over at the University Power Plant, part of the roof of a fraternity was lifted, and several windows on campus were broken. At least three other buildings had considerable damage in Manhattan.											
			Two large grain storage bins were destroyed at Saffordville in Chase County about 1900CST. Campers were blown over at El Dorado Lake at 2010CST. The apple crop in the New Albany area of Wilson County was wiped out about 2030CST.											
			A list of other severe weather occurrences follows: (All times CST) 1647 Golfball to tennis ball size hail, Palmer 1652 3/4 inch hail, 4 miles north of Belleville 1700 Golfball to tennis ball hail, northwest Pottawatomie County 1729 Golfball hail, Stockdale Recreation Area on Tuttle Creek Lake 1830 Golfball hail, Council Grove 1840 Golfball hail, Council Grove Reservoir 1853 Hail the size of quarters, Cottonwood Falls 1905 Golfball hail and 60+ mph wind, Saffordville 1915- Golfball to baseball hail; Madison, Burkett, Hamilton, 2040 Eureka and Fall River in Greenwood County 1925 Golfball hail and 60 mph wind, Strong City 2010 70+ mph wind and 1 inch hail, El Dorado Lake 2020- Golfball to baseball hail; Altona, Fredonia, New Albany 2045 and La Fontaine in Wilson County 2025 3/4 inch hail and 60 mph wind, Rosalia 2100- 1-2 inch hail, 1 north to 5 south of Grenola in Elk County 2115 2113 3/4 inch hail, Independence 2128 3/4 inch hail, Cedar Vale 2133 Wind knocked down power lines between Cedar Vale and Sedan 2133 Golfball hail, just west of Cedar Vale 2135 Golfball hail and 60+ mph winds, 7 west of Independence 2220 Golfball hail and 70+ mph wind, 2 northwest of Tyro 2230 60 mph wind blew out windows in a 7 story apartment building in Arkansas City											
Burlingame, Osage County	14	1712CST			0	0	3	4	Hail					
			A thunderstorm dropped golfball size hail at Burlingame. A good deal of crop damage resulted.											
Osborne and Russell Counties	16	0000-0130CST			0	0	4	4	Hail, Wind					
			A severe thunderstorm moved from western Osborne County through Russell County. Winds estimated at 60 to 80 mph did extensive damage to buildings in the Natoma area at 0020CST. Hailstones 3/4 inch in diameter fell at the Russell Airport at 0104CST.											
Ottawa and Dickinson Counties	16	0430-0540CST			0	0	0	4	Hail					
			A severe thunderstorm moved through eastern Ottawa and western Dickinson Counties. Hail 3/4 inch in diameter fell at Wells at 0445CST, and inch diameter hail fell at Solomon at 0532CST.											
La Crosse, Rush County	16	1615CST			0	0	3	4	Hail					
			A severe thunderstorm dropped 3/4 inch hail 7 miles west of La Crosse.											
North Central Kansas	16	1650-2000CST			0	0	4	5	Hail					
			A series of severe thunderstorms formed between Lincoln and Mankato, then moved east toward Washington and Clay Center. The storms damaged crops in many spots in north central Kansas. Severe weather reports follow: (All times CST) 1705 Tennis ball hail, 3 north of Sylvan Grove 1710 Baseball to grapefruit hail, near Barnard 1740 Golfball to baseball hail, Ada 1754 Baseball hail, Delphos 1817 Golfball hail, Jamestown 1830 Golfball hail, Agenda 1850 Ping pong ball hail, Clay Center 1903 3/4 inch hail, Cuba 1937 Golfball hail, Hollenberg 1942 Golfball hail, 2 north of Mankato 1953 3/4 inch hail, just north of Belleville											
Morton, Stevens and Seward Counties	16	1720-1750CST			0	0	4	4	Wind					
			Severe thunderstorm winds estimated at 70 mph hit Rolla and Hugoton about 1730CST, and Liberal at 1740CST.											
Marshall, Nemaha, Brown, Doniphan, Atchison and northern Jackson Counties	16	2000-2130CST	75	25 mi.	0	0	6	4	Wind					
			A severe thunderstorm packing winds of 80 mph and more developed east of Marysville and raced east to Atchison and Wathena. The winds ripped up outbuildings throughout the path. Nearly all buildings were lost at a farm just east of Beattie about 2000CST. Several buildings were damaged at Baileyville at 2013CST. Two large grain bins were destroyed and part of the roof was ripped from a motel in Seneca about 2030CST. Wind of 60 mph hit Holton at 2045CST, just west of Horton at 2040CST, and at Atchison at 2122CST. Winds estimated at 70 mph struck Highland at 2100CST and Wathena about 2110CST.											

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

## KANSAS

Marion Lake, Marion County	16	2035CST			0	0	3	0	Wind
A thunderstorm wind gust was measured at 61 mph at the marina at Marion Lake.									
Luray, Russell County	20	2300-2350CST			0	0	0	4	Hail
A severe thunderstorm moved across the north part of Russell County and dropped golfball size hail in Luray at 2308CST.									
Southern Russell and Northern Ellsworth Counties	21	1500-1600CST			0	0	0	5	Hail
A severe thunderstorm dropped large amounts of hail upon southern Russell and northern Ellsworth Counties. Hailstones 3/4 inch in diameter fell in Wilson at 1525CST.									
Southeast Riley and Northwest Wabaunsee Counties	21	1600CST			0	0	3	0	Wind
Severe thunderstorm winds estimated at 60 mph blew several cars off the road along Interstate Highway 70, five to ten miles east of the intersection with Kansas Highway 177.									
Saline and Dickinson Counties	21	1630-1730CST			0	0	5	5	Wind, Hail
A severe thunderstorm developed over western Saline County and moved east across Dickinson County. A wind gust of 69 mph was measured at the Salina Airport at 1635. Winds estimated at 70 mph toppled power lines and damaged several homes in the Salina area. The roof was torn from a large discount store in Salina. The wind also did extensive damage in an area 16 miles south of Abilene about 1700CST. Hail 3/4 inch in diameter fell in Salina at 1645CST, and inch hail fell 16 miles south of Abilene at 1700CST.									
Jefferson and Southern Jackson Counties	21	1645-1725CST			0	0	4	4	Wind, Hail
A thunderstorm with strong winds and hail formed southwest of Mayetta and moved toward Oskaloosa. Around 1650CST, winds estimated at 80 mph knocked the steeple from a church 3 miles west and 2.5 south of Mayetta, a mobile home was rolled over a mile to the northeast, and another mobile home was damaged when a tree fell on it a mile south and a mile west of Mayetta. A barn was destroyed 6 miles north of Hoyt around 1700. Hailstones 3/4 inch in diameter covered the ground on the southeast side of Lake Perry at 1717CST.									
Atchison County	21	1655-1744CST			0	0	0	0	Funnels
Two funnels were sighted over Atchison County. The first dropped out of the clouds at 1655CST, seven miles west of Atchison and continued to a point near the town. The second was sighted north of Lancaster at 1744CST.									
Osage, Franklin, Miami and Johnson Counties	21	1820-1920CST			0	1	5	3	Wind
A severe thunderstorm spread damaging winds from near Osage City, east to Johnson and Miami Counties. Winds were estimated at 70 mph seven miles west of Osage City at 1820CST, and at 60-70 mph in Osage City and Burlingame at 1827CST. A boat was overturned and a camping trailer was blown over and several others damaged at Lake Melvern by 70 mph winds at 1845CST. A girl in the overturned camper suffered a minor injury. The winds hit Ottawa about 1850CST and were estimated at 70-90 mph. They tore part of the roof from the main hangar at the Ottawa Airport and damaged two planes anchored south of the airport. A rock quarry office was ripped apart north of Ottawa and a good deal of roof and tree damage was done around the Ottawa area. The wind continued in the 70-90 mph range into Paola and Osawatimie about 1910CST. Widespread tree and roof damage resulted throughout Miami County, with the worst concentrated in the Block area about 5 miles southeast of Paola. A wind gust of 58 mph was measured at Olathe's Johnson County Industrial Airport at 1900CST.									
White Cloud, Doniphan County	21	Evening			0	0	5	0	Lightning
Lightning set fire to a home near White Cloud. The home and contents were a complete loss.									
Rantoul, Franklin County	22	0200CST			0	0	4	0	Lightning
Lightning set fire to a vacant house half a mile east of Rantoul. The house was burnt to the ground.									
Smith, Jewell and Republic Counties	23	1730-1930CST			0	0	3	5	Wind, Hail
A line of severe thunderstorms formed west of Smith Center and moved east towards Belleville. The storms dropped 3/4 inch hail at Smith Center at 1745CST, produced 60 mph winds 5 miles west of Jewell at 1834CST, and dropped 3/4 to inch diameter hailstones at Belleville at 1858CST.									
Topeka, Shawnee County	26	1500CST			0	3	3	0	Wind
Thunderstorm wind gusts estimated at 50 mph tore the roof from a home under construction about 10 miles north of Topeka along U.S. Highway 75. Three men who were working on the roof at the time suffered minor injuries.									

## KANSAS

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

SPECIAL HAIL SUMMARY									
Kansas-Oklahoma Hail Loss Service reports indicate hail was especially damaging to crops in the listed counties on the following dates:									
1	Cowley, Osage, Sumner								
2	Sumner								
3	Anderson, Barton, Coffey, Pawnee, Rice, Russell								
4	Barber								
9	Nemaha								
10	Clark, Clay, Comanche, Edwards, Finney, Gray, Hamilton, Harper, Hodgeman, Kearny, Kingman, Kiowa, Meade, Pawnee, Pratt, Stanton, Stevens, Sumner, Wallace, Wichita								
11	Barton								
13	Greeley, Hamilton, Morton, Stanton, Sheridan								
14	Chase, Chautauqua, Clay, Franklin, Greenwood, Hamilton, Harper, Lyon, Montgomery, Morris, Osage, Ottawa, Republic, Riley, Wabaunsee, Washington, Wilson								
15	Greenwood, Osborne								
16	Barton, Clay, Cloud, Dickinson, Ellis, Geary, Grant, Haskell, Jewell, Lincoln, Marshall, McPherson, Mitchell, Morris, Morton, Nemaha, Osage, Osborne, Ottawa, Republic, Riley, Rooks, Rush, Russell, Saline, Washington								
20	Osborne								
21	Dickinson, Ellsworth, Jackson, Jefferson, Lincoln, Lyon, Marion, Meade, McPherson, Osage, Osborne, Rice, Russell, Saline, Smith								
22	Seward								
23	Clay, Ford, Grant, Gray, Hamilton, Haskell, Jewell, Republic, Seward, Smith, Stanton								
24	Wallace								
25	Rawlins, Sherman								

15 KENTUCKY									
Barren County	01	Early Morning			0	0	4	0	Lightning
Lightning struck a house in Glasgow. The house burnt to the ground.									
Russell County	02	0330EST			0	0	3	0	Thunderstorm Wind
Trees and power lines were downed in Harbor Springs, Jamestown, Little Louisville, and Russell Springs.									
Jefferson County	02	0345EST			0	0	2	2	Hail
Dime sized hail was reported 2 miles west of Louisville.									
Clinton County	02	0500EST			0	0	4	0	Lightning
Lightning struck a house, 5 miles south of Albany, starting a fire and burning it to the ground.									
Henderson County	02	2000EST			0	0	3	2	Thunderstorm Wind
Large trees were blown down near highway 41A at Cairo and in Cardin.									
Daviess County	02	2006EST			0	0	2	0	Thunderstorm Wind
Large limbs were blown off trees near Whitesville.									
Western Hardin County	02	2115EST			0	0	2	0	Thunderstorm Wind
Numerous trees were reported down.									
Livingston County	02	2135EST			0	0	2	0	Hail
1 inch hail was reported near Birdsville.									
Eastern Henderson County	02	2150EST			0	0	2	0	Hail
3/4 inch hail was reported near Zion.									
Northeastern Henderson County	02	2155EST			0	0	2	0	Hail
3/4 inch hail was reported near Reed.									
Hopkins County	02	2156EST			0	0	3	2	Thunderstorm Wind
Strong winds destroyed a barn near Nortonville.									
Todd County	02	2212EST			0	0	3	2	Thunderstorm Wind
Large trees were blown down near Trenton.									
Breckinridge County	02	2215EST			0	0	2	0	Thunderstorm Wind
Large trees were down in Hardinsburg.									
South Muhlenberg County	02	2220EST			0	0	2	2	Hail
3/4 inch hail was reported near Rosewood.									
Hardin County	02	2330EST			0	0	2	0	Thunderstorm Wind
Trees were blown down in Elizabethtown.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>— KENTUCKY</b>									
Graves County	03	1520EST			0	0	3	2	Hail
	Marble size hail was reported 15 miles south of Mayfield. Marble to golfball size hail was reported at Pilot Oak. Some hailstones were as big as baseballs. Damage was done to houses, with many windows knocked out.								
Larue County	03	Evening			0	0	2	0	Thunderstorm Wind
	Trees were down and utility poles broken off in White City.								
Union County	03	Late Evening			0	0	3	2	Thunderstorm Wind
	A mobile home roof was blown off. Numerous out-buildings and a livestock barn were destroyed. 1.15 inches of rain was reported.								
Union County	04	Early Morning			0	0	4	2	Thunderstorm Wind
	Trees were blown down over many county roads. Minor tree damage was reported in Sturgis. A trailer was destroyed 2 miles southwest of Grove Center and extensive damage was done to a livestock operation, with 1 shed completely destroyed.								
Hopkins County	04	0102EST			0	0	2	2	Hail
	1 inch hail reported in Madisonville.								
Northern Henderson County	04	0120EST			0	0	2	0	Thunderstorm Wind
	Large trees reported down.								
Muhlenberg County	04	0130EST			0	0	2	2	Thunderstorm Wind
	Trees were downed in Greenville. Winds estimated at around 60 MPH.								
Breckinridge County	04	Morning			0	0	3	2	Thunderstorm Wind
	A roof was blown off a tobacco barn north of Harrodsburg and thrown 50-100 yards. Numerous trees were reported down across the county.								
Nelson County	04	1115EST			0	0	3	0	Lightning
	Lightning struck a 100 year old church in New Hope. Considerable damage was done to the bell tower.								
Hardin County	04	Morning			0	0	2	0	Thunderstorm Wind
	Trees reported down in Glendale.								
Edmonson County	04	Afternoon			0	0	3	2	Severe Thunderstorm
	Wind damage was reported in Brownsville. Cattle were struck by lightning and killed. 1.22 inches of rain fell. Trees also were reported down in Roundhill.								
Knox County	04	1500EST			0	0	2	2	Hail
	Nickel size hail reported in Barbourville.								
Jessamine County	04	1600-1630EST			0	0	4	0	Thunderstorm Wind
	Numerous uprooted trees reported on houses, with considerable roof damage over Jessamine County.								
Hancock County	04	1605EST			0	0	2	2	Hail
	Golfball size hail at Hawesville.								
Boyle County	04	1700EST			0	0	4	2	Thunderstorm Wind
	Furniture store roof was blown off in Perryville. Trees were uprooted. One house and 1 garage were crushed.								
Shelby County	04	2150EST			0	0	2	0	Severe Thunderstorm
	Marble size hail in Shelbyville. Heavy rain produced urban flooding with 3.5 feet of water in the downtown area. Large trees blown down.								
Hazard County	05	Afternoon			0	0	3	0	Thunderstorm Wind
	A trailer was picked up, dumped upside down, and destroyed in Cumberland. 1/2 inch hail was also reported.								
Russell County	05	Afternoon			0	0	3	0	Lightning
	A barn was struck by lightning and burnt to the ground.								
Owsley County	05	1400EST			0	0	3	2	Thunderstorm Wind
	Trees were reported down across the county. Estimated winds of 60 MPH.								
<b>— KENTUCKY</b>									
Jackson County	05	1405EST			0	0	2	0	Hail
	Strong winds and 3/4 inch hail reported at McKee.								
Perry County	05	1420EST			0	0	2	2	Hail
	3/4 inch hail at Chavies.								
Letcher County	05	1430EST			0	0	2	2	Thunderstorm Wind
	Strong winds flipped over a mobile home in Partridge. Small trees were also blown down.								
Knott County	05	1430EST			0	0	2	0	Hail
	3/4 inch hail and strong winds were reported in Fisty.								
Western Clay County	05	1445EST			0	0	2	0	Thunderstorm Wind
	Trees reported down in Onieda.								
Calloway County	05	1518EST			0	0	2	2	Hail
	1 to 1 1/4 inch hail was reported at Muray Airport.								
Marshall County	05	1526-1535EST			0	0	2	2	Hail
	Golfball size hail was reported in Hardin. Golfball to baseball size hail occurred in Aurora.								
Graves County	05	1600EST			0	0	4	2	Severe Thunderstorm
	Roofs were blown off barns and houses in Water Valley. Trees were uprooted and marble size hail fell in Mayfield, with power outages for 3 hours.								
Simpson County	05	1615EST			0	0	3	2	Thunderstorm Wind
	Large trees were blown down 5 miles west of Franklin. A roof was blown off an old school building 10 miles west of Franklin.								
Marshall County	05	1730EST			1	1	0	0	Lightning
	One person was struck and killed by lightning at the Calvert City Golf Course. Another person was injured.								
Monroe County	05	1830EST			0	0	4	0	Lightning
	Lightning started a fire that burnt a house to the ground in Persimmon.								
Lincoln County	07	1139-1220EST			0	0	4	2	Tornado (F0)
	A tornado, 37 miles south-southwest of Lexington, briefly touched down 2 miles south of Hustonville in Lincoln County. The path was indefinite but believed to be short and narrow. Damage included three tobacco barns destroyed, major damage done to two farm houses, farm machinery was damaged and tree tops were twisted. Some trees in its path were uprooted and blocked roadways.								
Henderson County	09	2315EST			0	0	3	0	Thunderstorm Wind
	Large trees were blown down near Baskett. Some homes suffered structural damage.								
Hopkins County	09	2316EST			0	0	2	0	Thunderstorm Wind
	Large trees were blown down in Providence.								
Webster County	09	2318EST			0	0	2	0	Thunderstorm Wind
	Large trees were blown down near Clay.								
Daviess County	09	2327EST			0	0	3	2	Hail
	1 inch hail reported in Owensboro.								
Hancock County	09	2345EST			0	0	2	0	Thunderstorm Wind
	Large trees blown down in Hawesville.								
North Central Kentucky	10	0000-0300EST			0	0	6	5	Severe Thunderstorms
	Major damage was done to north central Kentucky due to straight-line winds. The hardest hit county was northeast Bullitt, with many roofs torn off and severe tree damage. Winds in excess of 80 MPH were reported. The Salt River Rural Electric Company reported it was the worst storm in 36 years, even more destruction than the 1974 tornado. Other counties hard hit were, Shelby, Larue, Breckinridge, Oldham, Meade, Grayson, Jefferson, Jackson, Boyle, Jessamine, Letcher, Lincoln, Hardin, Carter, Spencer, Nelson, Washington, and Cumberland. Trees were uprooted and structural damage was reported throughout the storm path. Power lines and utility lines suffered extreme damage. In Jefferson County, 50,000 people were without power, with some power not restored till after 4 days. In Shelby County, 2.5 inches of rain fell. People had to be evacuated from a campground due to brief flash flooding threat.								



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>KENTUCKY</b>									
Shelby County	10	0100-0115EST	4½	¼*	0	0	6	4	Tornado (F1)
			A tornado, 18 miles east of Louisville, started at the Whitney Young Job Corps Center on the outer city limits of Simpsonville in Shelby County. It headed northeast along U.S. Highway 60 through the west side of town to a point 4½ miles north-east of Simpsonville. The path width of the tornado was approximately ¼ mile wide. Wind speeds were estimated from the damage at 75 to 100 miles per hour. Damage included: peeled roof surfaces off, demolished a barn, wrapped tin roofing around a fence, hundreds of very large trees were uprooted and twisted within the 4 and ½ mile path. Fifty-five trees were uprooted at the Job Corps Center alone. Some windows were blown out, pushing the glass outward in spiraling motion. Structural cracks were made in the gymnasium of the Job Corps Center on the same side that the roof was lifted off. Power lines and utility poles were down, and recreational lightning on a ball diamond was downed. Numerous lightning strikes were observed where trees had been split and burned. Structural damage was also sustained to a farm house and several small buildings. Damage estimated at the Job Corps Center alone were estimated at \$250,000.						
Letcher County	10	early morning			0	0	5	3	Flash Flooding
			Flash flooding occurred on Elk Creek. It washed out a road, with damage estimates at \$150,000.						
Knott County	10	early morning			0	0	4	3	Flash Flooding
			Flash flooding occurred on Clear Creek into Troublesome Creek. The Clear Creek rose 12 feet, flooding and damaging two houses and several barns.						
Marshall County	10	1815EST			0	0	2	0	Thunderstorm Wind
			Power lines were knocked down in Benton.						
Hopkins County	10	1945EST			0	0	0	0	Funnel Clouds
			Funnel clouds were reported at Dawson Springs and Madisonville.						
Henderson County	11	Afternoon			0	0	3	0	Lightning
			Lightning hit one house, causing \$1,500 damage. Lightning also hit an oil tank which started a fire. 1.7 inches of rain caused major street flooding.						
Henry County	11	1630EST			1	0	0	0	Lightning
			A man was struck and killed by lightning at Lake Jericho near Pendleton.						
Jefferson County	11	1645EST			0	0	2	0	Severe Thunderstorm
			Wind gusts to greater than 58 MPH were reported at Bowman Field in Louisville.						
Oldham County	11	1707EST			0	0	3	0	Lightning
			A lightning strike knocked out the State Police Post Communications facility in LaGrange.						
Eastern Grayson County	11	1730EST			0	0	0	0	Funnel Cloud
			A funnel cloud was reported near Clarkson.						
Southwest Larue County	11	1740EST			0	0	0	0	Funnel Cloud
			A funnel cloud was sighted near Upton.						
Hardin County	11	1758EST			0	0	3	2	Thunderstorm Wind
			Strong winds blew over 1 barn and half of another barn on a farm west of Elizabethtown. Numerous trees were blown down across the county. ¼ inch hail reported at Fort Knox.						
Larue County	11	1800EST	½	1 block	0	0	4	3	Tornado (F1)
			A mini tornado occurred near Hodgenville, located 36 miles south of Louisville, in the subdivision of Oueson Heights. Damage included: uprooted and twisted trees, sheds taken off the foundation, roofs peeled, two metal sheds were leveled, a wood structure was lifted then twisted and placed back on its foundation, and two metal outbuildings exploded in midair. One antenna was injected into an interior wall of a house. Nickel to quarter size hail fell before the tornado occurred.						
Fleming County	19	1730EST			0	0	3	0	Lightning
			Lightning struck a mobile home 1 mile north of Hillsboro, burning the home and killing 1 person indirectly.						
<b>KENTUCKY</b>									
Bell County	24	1300-1340EST			0	0	3	2	Thunderstorm Wind
			Numerous 6-7 inch in diameter trees were blown down.						
Jefferson County	24	1650-1800EST			0	0	4	3	Severe Thunderstorm
			Numerous reports of hail from the size of ½ inch to ice cubes and golfballs in the Louisville metropolitan area. There was also scattered trees blown down, blocking major roads. 4,500 customers were without electricity through the evening hours.						
Jefferson County	24	1718EST			0	0	0	0	Funnel Cloud
			Funnel cloud at tree top level was reported on the west side of Louisville.						
<b>16 LOUISIANA</b>									
Caddo Parish	09	1900CST			0	0	0	?	Thunderstorm - Winds
			Straight-line winds associated with a very strong thunderstorm blew down a few trees near Greenwood.						
Caddo, Bossier and Red River Parishes	10	0700CST			0	0	3	?	Severe Thunderstorms - Winds, Hail and Heavy Rain
			Severe thunderstorms knocked down trees near Benton (Caddo Parish) and near Coushatta (Red River Parish). One inch hail fell in Bossier City (Bossier Parish) and three-quarter inch hail was reported near Shreveport (Caddo Parish). Between 2 to 4 inches of rain fell between 0700-0900CST in the Shreveport - Bossier City area, flooding streets and underpasses. One home sustained between \$3,000 and \$4,000 damage from flood waters.						
Beauregard Parish	10	1300CST			0	0	4	?	Severe Thunderstorm - Wind
			Severe thunderstorm winds snapped off a large pecan tree at its base. The tree fell onto a store in Merryville and did \$20,000 damage.						
Plaquemines Parish Coastal Waters	17	1735CST			0	0	0	0	Severe Thunderstorm - Winds
			A Coast Guard ship reported southwest winds near 85 mph and 8 to 10 foot seas near the entrance of Barataria Bay from a gust front associated with decayed severe thunderstorms.						
Tangipahoa Parish	25	1330CST			0	0	?	?	Thunderstorm - Winds
			Straight-line winds associated with a very strong thunderstorm blew down a large tree near Kentwood. The tree fell on top of a car.						
Iberville Parish	26	1440CST			0	0	4	?	Thunderstorm - Lightning
			A lightning strike heavily damaged a home in the St. Martinville area.						
Lincoln and Ouachita Parishes	27	1930CST			0	0	4	?	Severe Thunderstorms - Winds
			Strong winds associated with severe thunderstorms uprooted trees near Ruston. One tree fell on a tractor, causing \$16,000 in damage. Northeast Louisiana State University at Monroe reported a gust of 59 mph.						
Tangipahoa Parish	30	1500CST			0	1	4	?	Severe Thunderstorm - Winds
			Straight-line winds overturned a mobile home and blew down some trees near Kentwood. The man who owned the trailer suffered a separated shoulder.						
Rapides Parish	30	1530CST			0	0	?	?	Severe Thunderstorm - Winds
			Straight-line winds from severe thunderstorms knocked down trees and power lines in the Alexandria area.						
Claiborne Parish	30	1940CST			0	0	?	?	Severe Thunderstorms - Winds and Hail
			Golfball sized hail and strong winds from fast-moving severe thunderstorms damaged trees and crops in an area extending from Homer to Colquitt.						

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

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

## 17 MAINE

Sunset, Hancock County	24 0400EST	0 0 4 0	Lightning	The 101-year-old Sunset Congregational Church steeple was struck by lightning early Monday morning. The strike shattered part of the steeple, sending shivers of wood over 150 feet in all directions. The Fire Chief reported the steeple was "burning like a Roman candle" as the Fire Department arrived. Their quick work confined all damage to the steeple. The weathervane was toppled by the lightning but will be re-habilitated.					
Southern Maine; Androscoggin, Cumberland, Kennebec, Lincoln, Oxford, Penobscot, Piscataquis & Sagadahoc Counties	24 1230EST	0 0 5 0	Severe Thunderstorms	An active cold front swept through Maine Monday afternoon, setting off violent thunderstorms which produced a hail outbreak that was worse than the one of July 11, 1980. Two thunderstorms were responsible for the large hail and heavy downpours. In most cases, hail covered the ground and damaged many gardens. However, wind damage was confined to small tree branches except for downed trees in Richmond and Boothbay. Following is a chronological list of severe weather produced by these two thunderstorms: 1245E- 1/4 inch hail, Denmark, Oxford County; 1300E- 1/4 inch hail downtown Bridgton and 3/4 inch hail, Woods Pond, Bridgton, Cumberland County; 1/4 inch hail, Otisfield, Oxford County; 1345-1355E - 3/4 to 1-3/4 inch hail, Lisbon, Androscoggin County; 1410E - 3/4 inch hail, Richmond, Sagadahoc County; 3/4 inch hail Augusta, Kennebec County; 1500E- 1-3/4 inch hail, Milo, Piscataquis County; 1510E - 1/4 inch hail, Naples-Bridgton, Cumberland County; 1537E- 1-3/4 inch hail, Naples, Cumberland County; 1615E- 3/4 inch hail, Richmond, Sagadahoc County; 1700E- 1 inch hail, Hampden, Penobscot County; 1710E- 1/4 inch hail, Richmond, Sagadahoc County; golfball size hail, Litchfield, Kennebec County; 1715E- Large trees down, flooding, power out at Richmond; 1745E - Tree downed onto house by wind at Boothbay, Lincoln County; 1805E-3/4 inch hail, estimated gusts to 60 mph at Jefferson, Lincoln County. Following is an additional chronological list of hail less than 3/4 inch size. Many of those showed the hail to be about 1/2 inch. 1257E- Bridgton; 1300E- Brownfield and Oxford, Oxford County; 1300E- Jonesport, Washington County; 1313E- Bingham, Somerset County; 1345E- Milo, Piscataquis County; 1344-1400E- Kingfield and Sugarloaf, Franklin County; 1404E- Richmond, Sagadahoc County; 1406E- Greenville, Piscataquis County; 1445E- Big Indian Pond and Eustis, Franklin County; 1500E- Harmony, Somerset County; 1507E- Bridgton, Cumberland County; 1535E- Poland and Mechanic Falls, Androscoggin County; 1538E- Auburn, Androscoggin County; 1600E- Oxford, Oxford County; 1630E- Raymond, Cumberland County; 1700E- North Windham, Cumberland County; Burnham, Unity, Troy and Montville, Waldo County; 1730E- Winterport, Waldo County.					
Rockland, Owls Head, Warren; Knox County	28 0600EST	0 0 4 0	Northeaster	A low pressure area developed east of Cape Cod Thursday and intensified as it moved through the Gulf of Maine Friday. An easterly wind estimated over 30 mph built up high seas. This combination raised havoc along the midcoast region Friday, sending numerous boats adrift and damaging a pair of vessels. A 38-foot dragger in Owls Head Harbor and the sailing vessel "Annie McGee" in Rockland Harbor, broke loose from their moorings and went aground, but were towed to safety before much damage was done. A utility pole came down in Warren, causing a widespread power outage in Warren, Waldoboro and part of Thomaston for several hours.					

## 18 MARYLAND and D.C.

Prince Georges County	05 1600-1630EST	0 0 5 0	Thunderstorm	A thunderstorm generating winds estimated as high as 70 mph in gusts inflicted random damage on a 5 square mile area of the Lanham and Seabrook areas. A few trees were blown over but many large tree limbs were broken off. Falling tree limbs damaged a few houses, at least one extensively, and downed power lines. The roof of an auto body repair facility was peeled off. The gravel from the roof pelted numerous cars in the adjacent parking lot, breaking out windows and denting or scratching the bodies. As much as 2 inches of rain fell in 30 minutes.					
Washington County	16 1500EST	0 0 1 1	Hail	Hail measuring one inch in diameter fell from a thunderstorm over Hagerstown.					
Harford and Cecil Counties	24 1500-1600EST	0 0 1 4	Hail	Hail up to two inches in diameter produced extensive crop damage in a narrow band across northern Harford and Cecil Counties.					
District of Columbia	24 1645EST	0 0 0 0	Hail	One inch diameter hail fell near the Washington Monument.					

## 19 MASSACHUSETTS

Falmouth, Barnstable County	01 0345EST	1 0 3 0	Lightning	A most bizarre storm death occurred when a bolt of lightning struck a ranch style house, broke a window in a bedroom and jumped to a metal frame bed, killing a man asleep in the bed. His wife, asleep in the same bed, was not directly injured by the lightning, but sustained burns to her hands while trying to put out the resulting fire. Light to moderate damage was confined to the bedroom of the house. The telephone was knocked out, preventing an immediate call to the fire department.					
Statewide	01 Early Morning	0 0 5 0	Lightning	Numerous lightning strikes occurred across the state, resulting in scattered power outages and a number of fires. In Fitchburg, a single family home sustained about \$20,000 damage. In South Attleboro, a local business sustained about \$15,000 damage when lightning caused a fire there. A summer home was destroyed by a lightning-caused fire at Chilmark on Martha's Vineyard. Three houses were struck by lightning on Nantucket Island, causing substantial damage to various electrical appliances.					
Rutland, Worcester County	13 Early Afternoon	0 0 4 0	Lightning	A lightning-caused fire totally destroyed a barn.					
Westwood, Norfolk County	17 Early Morning	0 0 4 0	Lightning	Most of the fire department alarm system was burned out by lightning, with damage estimated in the thousands of dollars. Several homes were struck by lightning and one sustained some damage.					
Western portion	20 Late Afternoon	0 0 5 0	Lightning	Lightning strikes in Pittsfield and Springfield ignited fires in at least two locations. A lumberyard sustained fire damage in Pittsfield while a one and one half story building in Springfield was struck by lightning, causing a roof fire which did \$10,000 in damage.					
Winchester, Middlesex County	24 0930EST	0 3 0 0	Lightning	A bolt of lightning struck and injured three men while they were mowing a lawn. One of the three injured was reported to be in serious condition. The scene was located at one of the highest elevations in town.					
Hampden County (Westfield, W. Springfield, Chicopee)	24 1100-1200EST	0 3 6 ?	Large Hail	Golf ball size hail, one inch and larger, broke thousands of windows and damaged thousands of automobiles and many roofs of homes. At Springfield Technical Community College, 2,800 windows were reported to be broken. Many other buildings in downtown Springfield suffered many broken windows. Two persons were injured by the large hail and one was hurt by flying glass.					
Hampshire and Worcester Counties	24 1530-1615EST	0 5 6 ?	Thunderstorm	Downburst Winds National Weather Service investigation indicates that the extensive property damage inflicted upon Warren, Ware and parts of Brookfield was caused by a "microburst" or severe downdraft associated with a severe thunderstorm. Damage estimates in Warren reached about \$2 million, with around \$250,000 reported from Ware. In Warren, the severe winds struck at the center of town and fifty to sixty homes and businesses suffered major damage. At the Warren Pump Co., one of the businesses most seriously damaged, many windows were shattered and a portion of the roof blew off. Some automobiles were overturned in the parking lot and several persons were injured by flying debris. Fallen trees and wires blocked most of the streets and a state of emergency was declared. In Ware, two buildings were flattened and a third was unroofed. It was reported by the press that this storm was a tornado due to the extensive amount of damage.					
Southbridge, Worcester County	24 Afternoon	0 1 0 0	Lightning	A child was struck and injured by lightning while playing in the family's garage at about 1240EST.					
Southeastern portion	24 Afternoon	0 0 4 0	Lightning	Heavy thunderstorms with frequent lightning caused scattered power outages throughout the area, including Cape Cod where two homes were struck by lightning. The police radio system was knocked out and damaged by a lightning bolt at Acushnet. Lightning struck a church in Pembroke and at several locations in Plymouth.					

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
<b>20 MICHIGAN</b>										
Western Upper Peninsula	08	1750-2145EST				4			Thunderstorms	
		Cogebic Co. 1750-1900. Trees uprooted and houses damaged. Power outage. 1 3/4" hail at Wakefield. Funnel cloud reported at Bessemer. Road washed out. Man became disoriented in heavy rain and drove car into lake. Ononagon Co. 1800-1900. Trees down. Houghton Co. 1840-1945. Trees down. Baraga Co. 1845-2000. Power outage. Iron Co. 1845-2000. Trees down. Marquette Co. 1900-2100. Power outage. Dickinson Co. 1945-2100. Trees down. Menominee Co. 2045-2145. 1 3/4" hail and funnel cloud reported at Menominee. Tornado listed below was part of this storm. Many cars damaged by hail.								
10 West of Stephenson, Menominee Co.	08	2112EST	2.5	50	1	0	3		Tornado (F1)	
		Cut swath through forest. Man killed when tree fell on tent at Shakey Lakes County Park. Several vehicles damaged.								
NW/SE Swath across Lower Peninsula	08-09	2245-0345EST				5			Thunderstorms	
		Benzie Co. 2245-2330. Museum set afire by lightning. Roads washed out. Manistee Co. 2300-2400. 3/4" hail at Manistee. Power out. 3 auto accidents due to trees across roads. Mason Co. 2315-2400. Trees down. Spotter reported possible funnel cloud northeast of Ludington. Wexford Co. 2315-2400. Downed trees blocking roads just east of Harrieta. Lake Co. 2330-0015. See Tornado below. Other damage to trees and to camping trailer. Osceola Co. 2345-0030. See Tornado below. Funnel cloud reported east of Ewart. Widespread minor wind damage. Newaygo Co. 0000-0100. Unconfirmed funnel cloud reported at Lilley. 3/4" hail at Orono. Large trees down at several places. Clare Co. 0000-0045. 3/4" hail near Lake. Mecosta Co. See Tornado below. Wind damage near Sylvester. Isabella Co. 0020-0415. Trees down. Montcalm Co. 0045-0130. Wind damage near Lakeview. Funnel cloud reported near Vestaburg. Kent Co. 0050-0145. Funnel cloud reported near Cedar Springs. Gratiot Co. 0110-0200. Shed blown over in Middleton. Ionia Co. 0120-0200. 1" hail in Ionia. Clinton Co. 0130-0215. Trees down south of Maple Rapids. Wind damage in St. Johns and Westphalia. Eaton Co. 0145-0230. 1" hail in Posterville. Delta Twp. hail unroofed. Ingham Co. 0150-0245. 1" hail 3 SE of Lansing. Wind damage at Leslie. Livingston Co. 0215-0300. Wind damage at Fowlerville. Jackson Co. 0230-0315. Wind damage at Clark Lake. Washtenaw Co. 0300-0330. Wind damage in Ann Arbor. Lenawee Co. 0315-0345. 1 3/4" hail near Morenci.								
7 mi. N of Wolf Lake to 5 mi NE of Wolf Lake, Lake County	08	2340EST	6.7	50	0	0	0		Tornado(F1)	
		Narrow path of felled trees through forest. Several roads blocked.								
6 N of Reed City, Lake Co. to 3 E of Rodney, Mecosta Co.	08	2350EST	24	150	0	0	5		Tornado (F2)	
		Most of damage was in and just southeast of Hersey. Several houses damaged by falling trees. Mobile home toppled. Power interrupted for 6000 customers. Roads blocked. 2 accidents due to trees across road.								
4 SE of Benton Harbor, Berrien Co.	22	1300EST				1	2		Lightning	
		Motorcyclist stunned and injured in ensuing crash.								
Litchfield, Hillsdale Co.	23	1623EST					4		Thunderstorm	
		Trees down. Power out. Minor damage to mobile homes.								
Yankee Springs, Barry Co.	23	1817EST							Hail	
		3/4" hailstones.								
Wayland, Allegan Co.	23	1900EST							Hail	
		3/4" hailstones.								
<b>21 MINNESOTA</b>										
Browerville (Todd County)	7	Morning				0	0	?	0	Wind
		Two mobile homes were destroyed and several homes were damaged when strong winds and heavy rain hit the area around Browerville. Trees were downed and various farm equipment were damaged.								
Redwood County	7	1500CST				0	0	?	0	Wind
		A strong wind storm toppled a barn, twisted several corn cribs, and tore siding off a house near Morgan. Numerous trees were downed in nearby Morton.								
Roseau County	8	1007-1040CST				0	0	?	0	Wind
		Strong wind blew down a barn and damaged trees and power lines in the Badger area.								
Lake of the Woods County	8	1131-1141CST	?	?	0	0	?	?	?	Tornado (F0)
		A trailer home and other small buildings and trees were damaged when a tornado touched down briefly 10 miles southwest of Baudette.								
Koochiching County	8	1205CST	?	?	0	0	?	?	?	Tornado (F0)
		Two spotters observed a tornado briefly touch down 10 miles west of Little Fork, uprooting trees.								
St. Louis County	8	1250CST				0	0	0	0	Hail
		One inch hail was reported in Kabetogama.								
Cottonwood County	14	1545CST	?	?	0	0	0	?	?	Tornado (F0)
		A tornado touched down briefly 6 miles north of Jeffers.								
McLeod County	14	1643CST				0	0	0	0	Hail
		One inch hail and heavy rain pelted Glencoe.								
Cottonwood County	14	1645-1730CST				0	1	5	6	Hail, Wind
		Hail up to the size of golf balls and strong wind piled hail several inches deep in Windom and a large area of the county, mainly to the north of Windom. Trees were uprooted. A pickup truck was blown to its side and pushed across the road, injuring the driver. Over a million dollars damage was done to automobiles, homes, commercial buildings, and crops.								
Jackson County	14	1645-1830CST				0	0	?	?	Hail
		Hail over one inch deep caused from 20 percent to a complete loss of crops in Delafield Township in a swath six miles long and three miles wide.								
Traverse County	14	1730-1830CST				0	0	?	?	Hail
		Hail covered the ground up to several inches deep in an area 5 miles long and 4 miles wide in southwest Traverse County. One and 3/4 inch hail was reported in Browns Valley.								
Nobles County	14	1940CST				0	0	0	0	Funnels
		Several funnel clouds were reported near Wilmont and Reeding.								
Hibbing (St. Louis County)	16	1555CST				0	0	0	0	Hail
		Three-quarter inch hail was reported to the Hibbing Airport.								
Hennepin County	16	1557CST				0	0	0	0	Hail
		Quarter size hail was reported in Rodgers.								
St. Louis County	16	1600-1620CST				0	0	?	0	Wind, Hail
		Strong wind downed trees, blew out windows and destroyed a small building in Floodwood. Three-quarter inch hail was also reported.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

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

— MINNESOTA										
Morrison County	16	1610CST							Funnel	
			A funnel cloud was reported 25 miles northeast of St. Cloud near Pierz.							
Morrison County	16	1615CST							Funnel	
			A funnel cloud was reported about 3 miles north of Little Falls by weather personnel of the Minnesota Air National Guard on annual training at Camp Ripley.							
Mille Lacs County	16	1624CST	?	?	0	0	?	?	Tornado (F1)	
			A tornado with twin vortices, one large and one small, severely damaged six farmsteads and 30 acres of trees eight miles northwest of Milaca.							
Anoka County	16	1625CST	?	?	0	0	?	?	Tornado (F0)	
			Two Ramsey police officers watched a tornado touch down in Ramsey near Highway 10 and Sunfish Lake Boulevard, doing little damage before receding back into the clouds.							
St. Louis County	16	1645CST			0	0	?	0	Wind	
			Thunderstorms with strong winds cut off trees 10 feet above ground and dumped 2.15 inches of rain in 45 minutes near Tower.							
Hennepin County	16	1700-1730CST			0	0	?	0	Wind	
			High winds snapped power line poles and numerous large trees in Brooklyn Park.							
Hennepin and Ramsey Counties	16	1702-1748CST			0	0	0	0	Funnels	
			Numerous funnel cloud reports were received from the Twin Cities metropolitan area. One funnel was observed by the National Weather Service over Edina.							
Chisago County and Pine County	16	1715CST			0	0	?	0	Wind	
			Strong winds destroyed 3 barns, 2 silos, farm equipment and trees on several farms northeast of Braham.							
Hennepin County	16	1724CST			0	0	?	0	Wind	
			Strong wind tore off several roofs, destroyed a pole barn and downed many trees in and near Champlin.							
St. Louis County	16	1733-1740CST			0	0	0	0	Hail	
			One inch hail was reported in Proctor and west Duluth.							
Ramsey County	16	1745CST			0	0	?	0	Wind	
			A Skywarn observer estimated wind 50 to 80 mph in Shoreview.							
Lake County	21	1052CST			0	0	0	0	Hail	
			One inch hail was reported at Grand Marais.							
Carlton County	21	1330CST			0	0	0	0	Hail	
			One inch hail was reported at Moose Lake.							
Sibley County	21	1457CST			0	0	0	0	Hail	
			One inch hail was reported at Winthrop and Gaylord.							
Wadena, Douglas, Morrison, Becker, and Benton Counties	21	1500-1530CST			0	0	?	0	Hail	
			Numerous reports of three-quarter to one inch hail were scattered throughout these central Minnesota counties.							
LeSueur County	21	1545CST			0	0	0	0	Hail	
			Three-quarter inch hail was observed in the northwest portion of LeSueur County.							

— MINNESOTA										
Stearns County	21	1626CST							Funnel	
			St. Cloud National Weather Service personnel observed a funnel cloud 2 miles east-northeast of the St. Cloud Airport.							
Mower County	21	1645CST			0	0	0	0	Hail	
			Pea to marble size hail was reported in Austin.							
Aitkin County	21	1745CST			0	0	?	0	Wind	
			Strong winds downed trees on the north shore of Mille Lacs.							
Benton and Stearns Counties	25	1420CST			0	0	?	0	Hail	
			Golf ball size hail was reported in cities of Rice and St. Stevens.							
Ottertail County	25	1500CST			0	0	?	0	Wind	
			A cooperative observer reported 60-70 mph wind 6 miles south of Battle Lake in southern Ottertail County.							
Ottertail County	25	1535-1555CST			0	0	0	0	Hail	
			A cooperative observer reported 3/4 inch hail 3 miles south of Vergus in northern Ottertail County.							
Aitkin County	25	1638CST			0	0	0	0	Hail	
			One inch hail reported on the east side of Mille Lacs Lake.							
Ottertail County	25	1650CST			0	0	?	0	Wind	
			A cooperative observer reported 60mph wind in Fergus Falls downing an equipment shed and power lines.							
Pipestone County	25	1800-1830CST			0	0	?	0	Wind	
			Strong wind damaged several rural areas in the vicinity of Pipestone.							
Carlton County	25	1810CST			0	0	0	0	Hail	
			One inch hail was reported in Cromwell in northwest Carlton County.							
Stearns County	25	1810-1817CST			0	0	?	0	Wind	
			77mph wind was reported by a radio station in Albany. The wind downed trees as big as two feet in diameter, flattened a garage and ripped off a barn roof.							
Morrison County	25	1845CST			0	0	0	0	Funnel	
			Genola Police reported a funnel cloud two miles southwest of Genola.							
Benton County	25	1900CST			0	0	0	0	Funnel	
			The Benton County Sheriff's office reported a funnel cloud northeast of Foley.							
Mille Lacs County	25	1900CST			0	0	0	0	Funnel	
			A funnel cloud was reported by city police over Milaca.							
Stearns County	25	1945CST			0	0	?	0	Wind	
			A roof was blown off a feed plant in Eden Valley.							
St. Louis County	25	1950CST			0	0	0	0	Hail	
			One inch hail was reported five miles south of Cotton in southern St. Louis County.							

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>22 MISSISSIPPI</b>									
Statewide	Mainly 01-07 Daytime				1	11	?	6	Heatwave
	A stationary ridge of high pressure over the Southeastern United States resulted in unusually high temperatures for early June. Afternoon readings climbed mostly into the mid and upper 90's. High humidities and light winds resulted in unbearably hot conditions during the afternoons. An elderly man died from the heat in Laurel (Jones County). The cause of death was a heat stroke. Eleven persons required medical attention from heat related ailments. The poultry industry was hit hard by the heat, especially over the southern third of the state. Estimates of loss to poultry alone was near 1 million dollars. Although some damage to crops occurred, rain and slightly cooler weather around the middle of the month prevented losses from being tremendous.								
Warren County	07	1350CST			0	0	?	?	Thunderstorm Winds Thunderstorm winds blew down numerous trees south of Vicksburg.
Adams County	07	1545CST			0	0	3	?	Thunderstorm Winds Strong winds blew down trees and knocked down power lines in western Natchez on U.S. Highway 61 and in the northern portion of Natchez.
Adams County	07	1630CST			0	0	4	0	Lightning A residence in Natchez was struck by lightning. The lightning struck the roof and consequently caught it on fire.
Holmes County	10	0335CST			0	0	4	0	Lightning Lightning struck a church in the town of Pickens and damaged the steep roof. No fire was started, but large chunks of concrete and bricks were scattered at the front of the church and on the lawn.
Bolivar County	10	1415CST			0	0	3	?	Thunderstorm Winds At Delta State University in Cleveland, thunderstorm winds damaged the roof to 3 units at an apartment complex. A power line near the tennis court was blown over. At 1440CST, thunderstorm winds knocked over trees and power lines in the town of Rosedale.
Coahoma County	10	1445CST			0	0	4	?	Thunderstorm Winds Sixty mph winds damaged fences and dugout roofs at a baseball field in the community of Clover Hill. Also, several trees were blown over in a pecan orchard in Clover Hill. Some tree and fence damage was reported in Charksdale.
Sunflower County	10	1530CST			0	0	?	5	Hail Golfball sized hail fell 3 miles north of Indianola. Cotton crops in the area were heavily damaged.
Leflore County	10	1720CST			0	0	4	6	Thunderstorm Winds, Hail Strong winds blew a roof off one trailer and a flat roof off a house in Morgan City. Wind damage also occurred at a gin and a church. Two sheds were destroyed by the winds, while another was damaged. Quarter sized hail heavily damaged cotton, grain sorghum, and soybean crops in and around Morgan City.
Sunflower County	10	1930CST			0	0	3	?	Thunderstorm Winds Strong winds blew down many trees and a few power lines in Indianola. A tractor shed and barn were also damaged by the winds north of Indianola.
Walhall County	17	1530CST			0	0	4	?	Thunderstorm Winds Strong winds near Tylertown damaged a barn roof, a feed bin and several trees.
Northern Third of State	17	1800CST- 2050CST			0	0	6	?	Thunderstorm Winds, Funnels A line of intense thunderstorms developed in Northern Mississippi and moved southward during the evening hours. Extensive damage was caused by straight-line winds that occurred with the passage of the line. Wind gusts up to 97 mph were recorded, and this seems realistic in view of the damage that occurred. Below is a chronological order of events: 1800CST - Tate County...Extensive timber damage throughout the county with numerous power lines down. A roof of one home in Arkabutla was blown off and a mobile home was destroyed in Independence. 1830CST - Marshall County...Strong winds knocked over several trees in Holly Springs. Power lines also down. Damage also occurred to cars and homes. Damage widespread throughout the County except in the extreme north. 1830CST - Desoto County...Winds over 60 mph uprooted trees and downed power lines throughout the county. The communities of Hermendo, Buena Vista, Walls and nearby unincorporated areas were the hardest hit. 1830CST - Tippah County...A funnel cloud was sighted 2 miles north of Ripley, but never did touch down. 1840CST - Coahoma County...Trees and power lines were blown over by 60 mph winds near the town of Coahoma. One roof was blown off a residence in the Moon Lake area. 1910CST - Sunflower County...Strong winds in the town of Boyer blew down large limbs, trees and also damaged some farm buildings.
<b>MISSISSIPPI</b>									
Tishomingo County	17	2045CST	2.0	70	0	0	5	?	Tornado (F2) A sheriff saw a funnel cloud pass over his house in Belmont. The funnel touched down just south of Belmont near Highway 25 and moved southeastward into the town of Golden. The sheriff said the tornado was visible at night due to the intense and continuous lightning. Two mobile homes were destroyed by the tornado, with several businesses in the town of Golden heavily damaged. Many very large trees were uprooted. No one was injured, but a woman and her child got out of their mobile home minutes before it was demolished by the twister.
Coahoma County	25	1415CST			0	0	?	?	Hail Golfball sized hail fell near the town of Clarksdale.
Simpson County	25	1700CST			0	0	4	2	Thunderstorm Winds Strong winds heavily damaged the roof of the Mendenhall Jr. High School. Trees and power lines were also blown down near the school.
Hinds County	25	1845CST			0	0	?	?	Hail Dime sized hail covered the ground just west of Raymond.
Warren County	25	1907CST			0	0	?	?	Hail Dime sized hail fell in extreme Eastern Warren County or about 7 to 10 miles northwest of Edwards.
<b>23 MISSOURI</b>									
Howell County	2	0515-0530CST			0	0	5	3	Damaging Wind Wind gusts to 82 mph reported at West Plains by synoptic observer. Wind damaged some roofs and small sheds, as well as trees across the county.
Lewis County	2	1315CST			0	0	?	?	Large Hail Hail to 1 1/2 inch diameter, 5 miles north of Canton.
Cooper County	2	1320CST			0	0	0	0	Large Hail Hail to 3/4 inch diameter reported 1 mile north of Boonville.
Audrain County	2	1335CST			0	0	0	0	Large Hail Hail to 3/4 inch diameter, 1 south of Mexico.
Audrain County	2	1340CST			0	0	?	0	Large Hail Hail to 1 1/2 inch diameter, 2 south of Mexico Airport.
Boone County	2	1346CST			0	0	0	0	Large Hail Hail to 3/4 inch diameter west part of Columbia.
St. Charles County	2	1350CST			0	0	3	0	Large Hail and Damaging Wind Hail to 1 1/2 inch diameter and some wind damage to trees 10 west of St. Charles.
Marion County	2	1412CST			0	0	0	0	Large Hail Hail to 1 inch diameter, 1 south of Hannibal.
Phelps County	2	1435CST			0	0	?	?	Large Hail Hail to 1 1/2 inch diameter in Rolla.
Camden County	2	1550CST			0	0	?	?	Large Hail Hail to 1 1/2 inch diameter at Osage Beach.
Marion County	2	1630CST			0	0	0	0	Large Hail Hail to 1 inch diameter in Brinkton.
Miller County	2	1635CST			0	0	2	0	Damaging Wind Winds reported at 50 mph produced some tree damage in Iberia.
Pulaski County	2	1645CST			0	0	4	0	Large Hail and Damaging Wind Hail to 3/4 inch diameter at Dixon. Wind uprooted small trees and heavy rain produced some street flooding.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
<b>MISSOURI</b>										
Phelps County	2	1720CST			0	0	3	0		Damaging Wind
		Wind damaged trees 2 south of Rolla.								
Phelps County	2	1730CST			0	0	?	?		High Wind
		Wind gusts to 60 mph in Rolla.								
Crawford County	2	1730CST			0	0	0	0		Large Hail
		Hail to 3/4 inch diameter at Steelville.								
Cedar County	2	2007CST			0	0	?	?		Large Hail
		Hail to 1 1/2 inch diameter at Jerico Springs.								
Cedar County	2	2045CST			0	0	0	0		Large Hail
		Hail to 3/4 inch diameter at Cane Hill.								
Polk County	2	2109CST			0	0	0	0		Large Hail
		Hail to 3/4 inch diameter, 5 north of Walnut Grove.								
Polk County	2	2112CST			0	0	?	?		Large Hail
		Hail 1 1/2 to 2 inch diameter at Aldrich.								
Polk County	2	2115CST			0	0	0	0		Large Hail
		Hail to 3/4 inch diameter at Humansville.								
Greene County	2	2150CST			0	0	4	0		Damaging Wind
		Power lines down and a tree on a car at Walnut Grove.								
Greene County	2	2210CST			0	0	?	?		Large Hail
		Hail to 1 1/2 inch diameter at Fair Grove.								
Webster County	2	2220CST			0	0	?	?		Large Hail
		Hail to 2 inch diameter at Elkland and to 1 1/2 inch diameter at Northview.								
Wright County	2	2300CST			0	0	3	0		Damaging Wind
		Wind downed trees at Hartville.								
Texas County	2	2320CST			0	0	?	?		Large Hail
		Hail to 1 1/2 inch diameter 15 west of Houston.								
Cole County	2	2340CST			0	0	?	?		Large Hail
		Hail to 1 1/4 inch diameter in Jefferson City.								
Montgomery County	3	0014CST			0	0	?	?		Large Hail
		Hail to 1 1/4 inch diameter at Highway 19 and 170.								
Montgomery County	3	0018CST			0	0	?	?		Large Hail
		Hail to 1 1/2 inch diameter at New Florence.								
Montgomery County	3	0025CST			0	0	0	0		Large Hail
		Hail to 3/4 inch diameter and larger at High Hill.								
Morgan County	3	0048CST			0	0	0	0		Large Hail
		Hail 3/4 inch to 1 inch diameter, 3 southeast of Cravious Mills.								
Miller County	3	0106CST			0	0	?	?		Large Hail
		Hail to 2 1/4 inch diameter, north of Bagnell Dam.								
Miller County	3	0136CST			0	0	0	0		Large Hail
		Hail to one inch diameter at Iberia.								
Hickory County	3	0210CST			0	0	0	0		Large Hail
		Hail to 3/4 inch diameter at Cross Timbers.								
Phelps County	3	0210CST			0	0	2	0		Large Hail
		Hail to 1 1/4 inch diameter produced damage to paint on ambulance south of Rolla. The ambulance was at the 175 marker on I-44 at the time.								
Pulaski County	3	0312CST			0	0	0	0		Large Hail
		Hail to 3/4 inch diameter at Fort Leonard Wood.								
Dent County	3	0405CST			0	0	0	0		Large Hail
		Hail to 3/4 inch diameter in Salem.								
Maries County	3	0755CST			0	0	0	0		Large Hail
		Hail to 1 inch diameter at Vienna.								
Gasconade County	3	0830-0845CST			0	0	5	?		Large Hail
		Hail to 1 1/4 inch diameter produced damage to cars in the Owensville area. Cooperative observer reported this, and also of hail to 1 1/4 inch diameter in Rosebud.								
Crawford County	3	0910CST			0	0	?	?		Large Hail
		Hail to 1 1/4 inch diameter reported by the Missouri State Highway Patrol in Cherryville.								
Polk County	3	1410CST			0	0	?	?		Large Hail
		Hail to 1 to 1 1/2 inch diameter reported at Morrisville and at 3 miles east and west of Morrisville.								
<b>MISSOURI</b>										
Polk County	3	1417CST			0	0	?	?		Large Hail
		Hail to 1 3/4 inch diameter, 3 1/2 west of Morrisville.								
Polk County	3	1420CST			0	0	?	?		Large Hail
		Hail to 2 1/4 inch diameter at Sagle, about 4 miles southwest of Bolivar.								
Polk County	3	1430CST			0	0	?	?		Large Hail
		Hail to 2 1/4 inch diameter, 3 northeast of Morrisville.								
Greene County	3	1715CST			0	0	0	0		Large Hail
		Hail to 1 inch diameter at Strafford.								
Texas County	3	1835CST			0	0	?	?		Large Hail
		Hail to 1 1/4 inch diameter, 3 miles south of Cabool.								
Texas County	3	1844CST			0	0	?	?		Large Hail
		Hail to 1 1/2 inch diameter in Cabool.								
Shannon County	3	1915CST			0	0	5	?		Large Hail
		Hail to 2 1/4 inch diameter broke windows and dented cars just south of Eminence.								
Shannon County	3	1915CST			0	0	5	5		Large Hail
		Hail to 1 1/4 inch diameter covered ground over a 1 mile path, about 1 1/2 mile south of Eminence. Some cars, houses and gardens were damaged.								
Newton County	4	1325CST			0	0	?	?		Large Hail
		Hail to 1 1/4 inch to 2 inch diameter, South Neosho.								
Wayne County	6	1745CST			0	0	2	?		Damaging Wind
		Minor wind damage reported 2 miles north of Highway A and junction of Highway V.								
Cape Girardeau County	6	1910CST			0	0	?	?		Large Hail and High Wind
		Wind gusts in excess of 55 mph and hail to 1 1/4 inch diameter near Delta.								
Cape Girardeau County	6	1927CST			0	0	5	?		Damaging Wind
		Damage reported in Delta and some trees uprooted, fence knocked down and power lines downed in part of southwest Cape Girardeau County.								
Mississippi County	10	1652CST			0	0	0	0		Large Hail and High Wind
		Hail to 3/4 inch diameter and high winds reported just south of East Prairie.								
Boone County	17	0004CST	1	100	0	0	6	0		Tornado (F1)
		A tornado struck the Columbia Regional Airport and just missed the Weather Service Office. The wind speed was recorded at 96 mph and probably exceeded that in the tornado itself.								
		Twenty two planes were damaged. Hangar doors were ripped off and some planes inside damaged. The parking attendant's shed was blown across the street. Considerable damage was done to the F.A.A. building and other buildings around and on the field. Most cars were damaged that were on the field.								
Cooper, Moniteau and Callaway Counties	17	0000-0100CST			0	0	5	?		Damaging Wind
		Delayed reports of wind damage (exact times unknown) were received after the Columbia tornado, and possibly could have been the result of additional touchdowns. Some of the reports include: Heavy damage to a barn at Prairie Home in Cooper County. A roof and rafters blown off a two story house at Sandy Hook on the southwest bank of the Missouri River. Heavy damage to a grain elevator and several bins at Jamestown in northern Moniteau County. Wind speeds in excess of 100 km/hr at the Callaway Nuclear Plant.								
Franklin County	17	0100CST			0	0	2	0		Damaging Wind
		Minor wind damage to trees reported at Jerold.								
Buchanan County	17	2132CST			0	0	0	0		High Wind
		Wind to 60 mph reported by Highway Patrol at St. Joseph.								
Platte County	17	2143CST			0	0	0	0		High Wind
		Wind to 60 mph reported in northern portion of the county.								
Andrew County	17	2156CST			?	?	0	0	?	Tornado (FO)
		A tornado was reported one mile north of St. Joseph.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>MISSOURI</b>									
Clinton County	21	1809CST	?	?	0	0	?	?	Tornado (F0) Tornado reported by spotter just east of Cameron.
Ray County	21	1829CST			0	0	0	0	High Wind Wind to 60 mph reported by spotter in Rayville.
Cass County	21	1939CST			0	0	2	0	Damaging Wind Roof blown off barn just north of Harrisonville.
Pettis County	21	2040CST			0	0	0	0	High Wind Wind to 55 mph reported in Sedalia and some cars blown off the road near Sedalia.
Benton County	21	2041CST			0	0	0	0	High Wind Winds to 63 mph measured at Cole Camp and 55 mph winds reported at Warsaw.
Pettis County	21	2045CST			0	0	4	0	Damaging Wind approx. Wind blew out plate glass windows and damaged a metal building just south of Sedalia. Time is estimated on damage following a delayed report.
Cooper County	21	2058CST			0	0	0	0	High Wind Winds to 60 mph in Clifton City.
Morgan County	21	2100CST			0	0	0	0	High Wind Wind to 60 mph in Stover.
Morgan County	21	2105CST			0	0	0	0	High Wind Wind blew car off road in Versailles.
Morgan County	21	2106CST			0	0	3	0	Damaging Wind Winds to 60 mph in Versailles blew some trees down and broke windows.
Cole County	21	2140CST			0	0	0	0	High Wind Winds to 62 mph in Brazito.
Miller County	21	2145CST			0	0	4	0	Damaging Wind Winds downed trees and power lines, with some trees blocking highway near Eldon.
Camden County	21	2150CST			0	0	3	0	Damaging Wind Winds downed trees and a sign 7 miles north of Camdenton.
Jefferson County	24	1200CST			0	0	?	?	Large Hail Hail to 1 1/4 inch diameter at Antonia.
Jefferson County	24	1210CST			0	0	?	?	Large Hail Hail ranging from 1/4 inch to 1 1/4 inch diameter covered the ground at Imperial.
Grundy County	24	1953CST			0	0	?	?	High Wind Wind gusts to 67 mph at Spickard.
<b>24 MONTANA</b>									
Flathead County	08	0800-1800MST			0	0	0	0	Flood Minor flooding occurred along the Middle Fork of the Flathead River.
Northern Half, West of the Divide; West Portions of North Central; and Central	20	Early Morning to Evening			0	1	5	5	Wind, Hail A sharp, cold front entered the northwest area early, uprooting trees, downing power lines and sinking or destroying boats and docks on Flathead Lake. Several trees landed on cars, pickups and homes, causing extensive damage. Thunderstorms developed as the front crossed the Continental Divide, and one inch hail caused extensive damage to crops from Dupuyer in the west to Fort Benton in the east and from Shelby to Dutton. Seventy to eighty MPH winds accompanied the thunderstorms in northern Cascade and southern Chouteau Counties, as well as Judith Basin and Fergus Counties. Damage in these areas was sustained by unfinished buildings, and trees were blown across power lines. A few areas in Silver Bow, Jefferson and Broadwater Counties also had power outages from downed trees.
<b>25 NEBRASKA</b>									
Morrill County	02	2235CST			0	0	3	0	Lightning Lightning-related fire damaged a home at Bridgeport.
Scottsbluff and Banner Counties	03	1700CST			0	0	3	3	Heavy Rain and Hail Heavy rain caused local street flooding and a basement wall of a home to cave in at Gerinc. Hail damaged crops near Harrisburg.
Franklin County	09	0500CST			0	0	3	0	Damaging Winds Strong thunderstorm winds blew windows out of a house one mile east and five miles south of Hildreth.
Sioux County	09	1945CST			0	0	0	3	Hail One and a half inch hail was reported 20 miles east of Harrison.
Dixon County	11	1730CST			0	0	0	4	Damaging Winds and Hail Thunderstorm winds and hail damaged crops from just south of Maskeil, southeast to near Ponca.
Panhandle of Nebraska	12	Early Morning			0	0	0	?	Freeze Freezing temperatures damaged crops in lower elevations of the panhandle. A low of 21 degrees was recorded at the Agate Fossil Beds in Sioux County, with lows of 27 degrees near Harrisburg and Bayard and 32 degrees at Sidney.
Stanton and Cuming Counties	14	1530CST			0	0	0	4	Hail Hail damaged crops from 5 miles north and 2 miles west of Pilger in a strip southeast to 6 miles southwest of Wisner.
Dawson County	15	2145CST	4	40	0	0	4	0	Tornado (F1) A small tornado picked up a trailer truck and dropped it in a ditch 4 miles west of Cozad. (PPP10)
Dawson County	15	2145CST			0	0	5	0	Damaging Winds Thunderstorm winds turned a house trailer over in Cozad, blew a camping trailer over 3 miles east of Cozad and blew the roof off a house 5 miles west of Elm Creek.
Gosper County	15	2145CST			0	0	4	0	Damaging Winds Thunderstorm wind gusts downed tree limbs and overturned a camping trailer at Johnson Lake.
PHELPS County	15	2145CST			0	0	3	0	Damaging Winds Estimated sixty m.p.h. thunderstorm winds uprooted trees at Bertrand.
Gage County	16	1925CST			0	0	4	4	Hail One and a half inch hail damaged crops in and near Odell, and also caused minor damage to cars and crops 2 miles south of Wymore.
Jefferson County	16	2015CST			0	0	2	2	Hail Three-quarter inch hail 6 miles west of Fairbury caused minor crop and property damage.
Pawnee County	16	2030CST -2130CST			0	0	4	4	Hail Two to three inch hail around Burchard broke windows and damaged vehicles and crops.
Madison County	23	0345CST			0	0	3	3	Hail Three-quarter inch hail damaged cars, gardens and crops around Newman Grove.
Platte County	23	0400CST			0	0	4	4	Hail One and a half inch to 2 inch hail fell around Platte Center and Columbus, damaging cars, crops, gardens and windows.
Douglas County	23	0604CST			0	0	4	0	Lightning Fire started by lightning caused heavy damage to an Omaha house.
Douglas County	23	1545CST			0	0	0	3	Hail One and a half inch hail fell briefly near Elkhorn, with some crop damage.
Lancaster County	23	1545CST			0	0	3	6	Hail One and a half inch hail and strong winds severely damaged crops in a 15 mile square area, 2 miles northwest of Lincoln.
Clay County	23	1600CST			0	0	0	3	Hail Three-quarter inch hail caused minor crop damage around Harward.
York County	23	1614CST			0	0	4	5	Hail One and a half inch hail fell around Henderson and 1 inch hail around York, damaging crops, vehicles and gardens.
Lancaster County	23	1632CST -1710CST			0	0	7	4	Damaging Winds and Hail Strong thunderstorms with up to 84 mph winds measured at the airport, blasted Lincoln, along with hail and heavy rain. Most of the wind damage was in a strip 2 miles wide and 4 miles long across the north side, including the airport. The roof was blown off a motel and homes suffered roof damage, along with having windows blown out. Two airplanes were flipped over at the airport. Two to three inch hail pounded the city, damaging vehicles and roofs, and breaking windows. Four inches of rain caused some flooding in the city.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

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

## NEBRASKA

Douglas and Sarpy Counties	23	1645CST -1700CST			0	0	3	3	Damaging Winds and Hail
One and a half inch hail was reported in the Millard area of southwest Omaha and east of LaVista, with damage to some gardens and property. Thunderstorm winds also downed a few trees and power lines in Omaha.									
Sarpy County	23	1704CST			0	0	0	0	Funnel Cloud
A funnel cloud was reported 5 miles northwest of Offutt Air Force Base.									
Webster County	23	1710CST	1/4	40	0	0	0	0	Tornado (F0)
A tornado touched down briefly just north of Red Cloud. FPP001									
Saunders County	23	1720CST			0	0	0	3	Hail
Three-quarter inch hail fell around Wahoo, with minor crop damage.									
Cass County	23	1723CST			0	0	0	0	Funnel Cloud
A funnel cloud was reported 5 miles southwest of Ashland.									
York County	23	1725CST	1/2	40	0	0	0	4	Tornado (F1)
A tornado touched down briefly near Waco, damaging crops. FPP101									
Seward County	23	1730CST			0	0	4	3	Damaging Winds
Thunderstorm winds blew the roof off a house and destroyed small buildings at Pleasant Dale.									
Polk County	23	1740CST	2	40	0	0	5	3	Tornado (F1)
A tornado touched down 1 mile south-southwest of Stromsburg and moved northeast 2 miles, damaging 4 farm buildings along with trees, crops and fences. FPP111									
Cass County	23	1745CST -1810CST			0	0	0	0	Funnel Clouds
Funnel clouds were reported near Eagle and south of Elmwood by the fire department.									
Cass County	23	1750CST			0	0	3	0	Damaging Winds
Thunderstorm winds damaged trees and power lines around Eagle.									
Douglas County	23	1750CST			0	0	?	?	Hail
Three-quarter inch hail fell in the west Omaha suburbs. No damage was reported.									
Sarpy County	23	1752CST			0	0	0	0	Funnel Cloud
A funnel cloud was reported at Gretna.									
Polk County	23	1803CST			0	0	0	0	Funnel Cloud
A funnel cloud was reported 3 miles southwest of Osceola.									
Polk County	23	1803CST			0	0	3	4	Hail
One and a half to two and a half inch hail fell 3 miles southwest of Osceola, with crop damage.									
Washington County	23	1820CST			0	0	3	3	Hail
One inch hail fell around Blair, with minor crop and property damage reported.									
Otoe and Johnson Counties	23	1820CST -1850CST			0	0	6	3	Damaging Winds
Strong thunderstorm winds estimated to 80 m.p.h. downed trees and power lines and damaged property from around Palmyra south-east through Cook and Talmadge. A trailer truck was blown over by the winds on Highway 50, six miles east of Burr. In the same area, roofs were blown off of barns, and outbuildings damaged. A trailer home was turned over 2 miles north of Cook. Roofs of farm buildings were blown off 4 miles east of Cook.									
Barns were damaged by winds near Palmyra and Talmadge. A church was also damaged at Talmadge.									
Gage County	23	1830CST			0	0	3	0	Damaging Winds
Sixty m.p.h. thunderstorm winds downed trees and power lines 3 miles northwest of Beatrice.									
Nemaha County	23	1845CST			0	0	6	0	Damaging Winds
Strong thunderstorm winds downed trees and power lines across the county. The roof was blown off of a trailer house near Brock. In Auburn, some windows were blown out of homes and buildings damaged by fallen trees. A garage was destroyed south of town.									
Pawnee County	23	2030CST			0	0	4	0	Lightning
Lightning started a fire which destroyed a home near Pawnee City.									
Sheridan County	24	1800CST			0	0	?	0	High Winds
Thunderstorm winds gusted to an estimated 60 m.p.h. 10 miles east of Alliance. No damage reported.									
Deuel County	24	1815CST			0	0	3	5	Damaging Winds and Hail
Strong winds took the roof off a barn north of Chappell and broke tree limbs in Chappell. Hail to 1/2 inches heavily damaged area crops, broke windows and damaged vehicles.									
Red Willow County	25	2015CST			0	0	?	0	High Winds
A thunderstorm gust to 63 m.p.h. was measured at the McCook airport. No reported damage.									

## NEBRASKA

Red Willow County	25	2015CST			0	0	4	3	Flash Flood
Five and a half inches of rain caused areas of flash flooding in McCook. Some railroad tracks and retaining walls washed out and basements flooded.									
Morrill and Cheyenne Counties	30	2000CST			0	0	3	5	Damaging Winds and Hail
Hail and high winds heavily damaged crops between Dalton and Broadwater. The roof of a ranch building north of Dalton was damaged by wind. Crops also damaged around Angola.									
Lincoln County	30	2130CST			0	0	6	6	Damaging Winds and Hail
High thunderstorm winds destroyed a barn, damaged grain bins, a center pivot and other farm outbuildings around Wallace. Several vehicles were damaged when they were blown over by wind or hit by fallen trees. Hail damaged crops.									

## 26 NEVADA

Reno, Washoe County	17	1700PST			---	---	---	---	Thunderstorm Winds
Thunderstorm outflow winds of up to 50kts produced scattered power outages and considerable blowing sand and dust.									
Reno, Washoe County	18	1650PST			---	---	---	---	Funnel Cloud
A funnel cloud was observed about 6 miles west of Reno. No movement was observed and it lasted only 5 minutes.									
Fallon, Churchill County	19	1545PST			---	---	4	3	Thunderstorm Winds
Thunderstorm outflow winds of up to 56 kts damaged two small aircraft at the municipal airport.									
Incline Village, Washoe County	19	1650PST	0.3	60	---	---	?	---	Hail
Thunderstorms produced 1/2" hail, with some stones as large as 1" in diameter.									

## 27 NEW HAMPSHIRE

Waterville Valley & Conway; Grafton & Carroll Counties	24	1145EST			0	0	4	0	Severe Thunderstorm
A severe thunderstorm developed over Grafton County and moved through Carroll County into the State of Maine. This thunderstorm was accompanied by hail and heavy downpours, but lacked strong winds. Some gardens and vehicles received hail damage. The large hail reports were: 1145E - 1-3/4 inch hail at Waterville Valley, Grafton County and 1240E - 3/4 inch hail at Conway, Carroll County.									

## 28 NEW JERSEY, Northern

Area-wide	16	1700-1830EST			0	0	0	0	Thunderstorm with Hail
Locally heavy downpours accompanied a severe thunderstorm with pea-sized hail and high winds. The fierce electrical storm left thousands of residents without power. The storm caused minor traffic accidents and highway flooding. A funnel cloud was sighted in Cedarville, but moved out to sea. The violent storm knocked a Chatham Township police dispatcher out of his chair when a lightning bolt hit the departments antenna. He was thrown out of his chair and hurled against a wall four feet away. Several towns reported that the storm triggered burglar alarms and knocked down trees. Wind gusts were reported up to 40 MPH on Long Beach Island in Ocean County, and 37 MPH at Newark International Airport. Flights were delayed up to 90 minutes at Newark International Airport. Pea-sized hail was also reported in Bergen, Essex and Union Counties.									
Area-wide	24	about 1600EST			0	0	0	0	Thunderstorm with Hail
The intense thunderstorm with lightning, hail and high winds passed across much of Northern New Jersey. The storm lasted about an hour and battered portions of Morris and Sussex Counties causing many power outages and several fires. In Middletown, lightning lopped a chunk of chimney at a home. Marble-sized hail was reported falling in Sparta which is in Sussex County. In West New York in Hudson County, the storm caused such darkness that the street lights were automatically turned on. Gusts of wind up to 39 MPH were reported in some places.									



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>28 NEW JERSEY, Southern</b>									
Camden and Gloucester Counties	16	1900 EST			0	0	3	0	Wind
									High wind gusts downed trees and utility lines.
Mercer County	24	1700 to 1800 EST			0	0	5	0	Hail, Wind, Lightning
									Golf ball size hail was reported. Wind gusts downed trees and utility lines. A dog was killed in a house fire caused by lightning.
Ocean County	24	1823 EST			0	0	3	0	Hail, Wind
									Hail 3/4 inch in diameter was reported. Some trees were downed by wind gusts.
<b>29 NEW MEXICO</b>									
Hobbs, Lea County	5	1420-1535MST	short narrow	-	-	-	4	0	Tornado (F0), Funnels
									Over a period of about an hour, several funnel clouds and a small tornado occurred near Hobbs. The tornado caused \$10,000 to \$20,000 in damage in its short path before dissipating. The parent storm then moved east into Texas.
<b>30 NEW YORK, Coastal</b>									
Extreme SE Nassau Co., Suffolk Co., New York City, Westchester and Staten Island	24	1240-1425EST			0	0	0	0	Severe Thunderstorm with 3/4 inch Hail
									The almost two hour mid-afternoon severe thunderstorm literally turned day into night. A funnel cloud was sighted in Wantagh, but it did not touch ground. Wind gusts were reported up to 55 MPH in some areas. Bayville Mayor was hit in the head with a hailstone the size of a silver dollar when she was showing federal officials her problems with shore erosion. The downpour made several major thoroughfares temporarily impassable. The storm produced no serious injuries. Lightning damaged a house in Ronkonkoma when it struck the roof, traveled down through the television antenna and set a wall and drapes on fire. People were watching the television at the time and fled the house. Half the house was burned. Another lightning damage happened when lightning caused a fire in an air-conditioning compressor at a restaurant in Deer Park.
<b>30 NEW YORK, Central</b>									
Amsterdam, Montgomery County	16	1800EST			0	0	5	0	Thunderstorm
									Thunderstorms rolled through Montgomery County Sunday evening. Lightning was blamed for starting a fire in a seven (7) story stairwell in a local industry. Local police also reported minor street flooding as a result of heavy rain.
Guilderland, 10 SW ALB, Albany County	16	1827EST			0	0	0	0	Hail
									Pea-size hail reported by public.
Albany Airport, Albany County	16	1830EST			0	0	0	0	Hail
									Hail reported at the airport during a thunderstorm. Public also reported storage shed blown over and large tree limbs snapped off within one mile of the airport.
Rensselaer County	16	1839EST			0	0	0	0	Thunderstorm
									Cooperative observers reported trees blown over in Schaghticoke (20 NE ALB) and Pittstown (14 ENE ALB at 2020) during a thunderstorm.
<b>NEW YORK, Central</b>									
Herkimer, Herkimer County	06	1845EST			0	0	?	0	Lightning
									Lightning from thunderstorms was responsible for igniting a cemetery structure. The building sustained heavy smoke, water and fire damage. Some occupied caskets were also damaged.
Schodack Landing, Columbia County	16	1900EST			0	0	0	0	Hail
									Hail reported at 1900EST, 1/8 inch in diameter. A second storm reported on the 17th at 0700EST with additional hail.
Esperance, Schoharie and/or Schenectady County	16	Unknown			0	0	5	0	Flash Flood
									Heavy rain rolled down the slope on the south side of Rte. 20, washing out the concrete foundation of a mobile home. The flash flood sent the three family members scurrying for safety. The home was left suspended by the foundation remains on each end. The flood washed out about 60 feet by 8 feet of foundation.
E. Gilford, Otsego County	20	1245EST			0	0	4	0	Lightning
									A brief, but violent thunderstorm hit the E. Gilford area. Lightning was listed as the cause of a fire in a wooden barn.
Callicoon, 40 NE AVP, Sullivan County	24	1030EST			0	1	5	°C	Hail
									Hail up to 2 inches in diameter was reported in and around Callicoon, NY. One female child (age unknown) was struck in the eye while outdoors at the start of the storm. The child was in intensive care with the possibility of losing the eye. Local car dealers also reported severe damage to many new and used cars.
Monticello, 42 W POU, Sullivan County	24	1045EST			0	0	4	°C	Hail
									Hail of 1 and 1/2 inches reported as a thunderstorm moved across Sullivan County. Damage was reported to car windows, etc.
Saugerties, 27 N POU, Ulster County	24	1110EST			0	0	?	°C	Thunderstorm
									High winds from thunderstorms knocked down several trees in the area.
Dutchess County, County-wide	24	1115EST			0	0	?	4	Thunderstorms
									Golf-ball size hail was reported with thunderstorm activity near Red Hook, Dutchess County. Heavy winds and heavy rain associated with the thunderstorms uprooted a 60-year old oak tree. Hail also did considerable damage to local apple crops in northern Dutchess County.
Huguenot, Orange County	24	1158EST			0	0	4	0	Lightning
									Lightning was blamed for starting a house on fire.
Goshen, 24 SW POU, Orange County	24	1212EST			0	0	0	0	Hail
									Dime-size hail was reported.
Putnam County	24	1215EST			0	0	5	0	Thunderstorm
									Severe thunderstorms moved across Putnam County, causing considerable damage. 2,100 homes were without power in the county. Several trees downed power lines. Carmel, Brewster and Mahopac were hardest hit.
Chatham, Columbia County	24	Unknown			0	0	5	0	Thunderstorm
									Telephone service was knocked out by thunderstorm/lightning. In the Town of Livingston, a car with three teenagers inside was hit by lightning. All three were blacked out during the event.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

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

## 30 NEW YORK, Western

Lake Erie	22	1330 EST			1	0	3	-	Wind
<p>At the Lake Erie Basin Marina, strong winds whipped up the lake and capsized a sixteen-foot boat bearing 4 passengers. One man, 33 years old, drowned. The three others who were rescued sustained minor injuries.</p> <p>At VanBuren Bay, also in Lake Erie near Dunkirk, a boat flipped by the powerful waves right side down. The craft righted itself before Coast Guard patrol boats arrived.</p> <p>Again, in Lake Erie, off the St. Columban's On-the-Lake Retirement Home, near Silver Creek, two female teenagers on a raft were reportedly missing. Search for them was initiated during the afternoon but was called off during late evening. They were found safe the next day.</p>									
Jamestown and other parts of Chautauque Cty.	24	0200 EST					4		Lightning
<p>Thunderstorms that traversed Southwestern New York created problems for Niagara Mohawk Power Corporation. Its high voltage lines were hit twice by lightning bolts, resulting in power blackouts in a few locations.</p>									
Hamburg, Erie County	24	Morning					4		Lightning
<p>A home was struck by a lightning bolt. The fire that followed destroyed it despite efforts by the Lake Shore Fire Company.</p> <p>Another bolt rocked the Hamburg Town Hall, knocking out telephone lines.</p>									

## 31 NORTH CAROLINA

Englehard, Nebraska, Hyde County	02	1430EST			0	0	4	0	Thunderstorm Winds		
<p>A severe thunderstorm with winds up to 75MPH blew roofs off some buildings and uprooted numerous trees. Damage estimates total \$10,000. Damage path from downburst 4 1/2 miles long, 1/2 mile wide.</p>											
Avon, Dare County	03	0022EST					4	0	Thunderstorm Winds		
<p>Wind gusts to 80MPH destroyed pop-up camper. A 50 foot house trailer was also destroyed.</p>											
Burnsville, Yancey County and Western Burke County	03	0330EST-0425EST					3	0	Thunderstorm Winds		
<p>Trees and power lines were blown down at Burnsville. The storm then moved into western Burke County where a limb from a falling tree knocked a large hole in a mobile home.</p>											
Rutherfordon, Rutherford County	03	0500EST					?	0	Thunderstorm Winds		
<p>Gusts to 70 MPH recorded at the airport.</p>											
Charlotte Area, Mecklenburg County and Gastonia Area, Gaston County	03	0530EST					0	3	0	Thunderstorm Winds	
<p>Numerous trees and power lines blown down. Considerable minor property damage to sheds, etc.</p>											
Reidsville, Rockingham County	03	1500EST					0	0	?	Hail	
<p>One inch hail reported by pilot on the ground.</p>											
Guilford County	03	1535EST-1545EST					0	0	4	?	Thunderstorm Winds, Hail
<p>In the Greensboro area at 1535EST, numerous trees and power lines blown down, plate glass windows blown in. Power out to 1300 customers. Hail up to one inch reported. Three-quarter inch hail was reported at 1545 in the eastern part of the county.</p>											
Southeast Gaston County	04	1700EST-1730EST					0	0	0	?	Hail
<p>Three-quarter inch hail reported.</p>											
Bill's Creek, Rutherford County	04	1815EST					0	0	?	?	Hail
<p>Three-quarter inch hail reported.</p>											
Windsor Area, Bertie County	04	1815EST					0	0	0	4	Hail
<p>Crop damage from hail up to 1-3/4 inch placed at \$37,500.</p>											

## NORTH CAROLINA

Near Eure in Gates County to Harrellsville in Hertford County	04	1830EST-1900EST			0	0	5	5	Thunderstorm Winds, Hail			
<p>At 1830EST a line of severe thunderstorms moved across Gates County, severely damaging property and crops. Three mobile homes and several homes were almost destroyed. Roads were strewn with power poles and trees. Hail up to 1-3/4 inch fell near Eure. At 1900EST, the storm produced one inch hail near Harrellsville in Hertford County. In Gates County, crop losses from hail were placed at \$120,000, with property damage at \$80,000.</p>												
Southeast Gaston County	04	1900EST					0	0	?	?	Hail	
<p>Hail up to 1-3/4 inch reported.</p>												
Chowan County	04	1900EST-1920EST					0	0	4	5	Thunderstorm Winds, Hail	
<p>The thunderstorms listed above moved into Chowan County at 1900EST, creating a damage path one mile wide and ten miles long from Rocky Hook to Copper Neck. Damage estimates to homes and vehicles was placed at \$40,000 from wind estimated at up to 100MPH, and hail up to 2-3/4 inch. Crop damage from hail estimated at \$800,000.</p>												
Beulah, Pine Ridge, Piney Grove, Surry County	04	1900EST					0	0	5	0	Hail	
<p>Hail up to 2-3/4 inch reported over much of county. Property damage estimated at \$50,000 and crop damage at \$75,000.</p>												
Southern Mecklenburg County	04	1930EST-1939EST					0	0	?	?	Hail	
<p>Hail from 1-3/4 to 2-3/4 inch was reported.</p>												
Concord to Southern Kannapolis, Cabarrus County	04	2100EST					0	0	5	?	Thunderstorm Winds, Hail	
<p>Many trees and power lines downed and hail up to 1-3/4 inch reported. Hail damage estimate unknown, but suspected to be very high.</p>												
Woodleaf Area, Western Rowan County	04	2105EST-2115EST					0	0	4	5	Hail	
<p>Hail larger than 1-3/4 inch wiped out vegetable, corn and wheat crops over a one square mile area, damaged vehicles and greenhouses, and knocked out windows. Damage to property placed at \$40,000, and crop damage at \$250,000. Hail fell for ten minutes.</p>												
Northern Mecklenburg County	04	2105EST-2123EST					0	0	4	?	Thunderstorm Winds, Hail	
<p>At 2105EST, hail from one inch to 1-3/4 inch fell, damaging cars; and at 2123EST, trees and power lines were blown down along Highway 49.</p>												
Southern Rowan and Northern Cabarrus Counties	04	2115EST-2145EST					0	0	6	?	Thunderstorm Winds, Hail	
<p>Many reports of hail up to 2-3/4 inch and wind damage in southern Rowan County. Trees and power lines blown down onto houses in Kannapolis and Enochville. Outbuildings destroyed and homes damaged. Hail damage to property placed at several hundred thousand dollars. This was the second wave of severe storms to hit this area in same evening. Cabarrus County damage to cars and 500 roofs alone placed at three-quarter million dollars, at least another one-quarter million dollars in Rowan County.</p>												
Linwood, Davidson County	04	2140EST					0	0	?	?	0	Hail
<p>One and three quarter inch hail reported.</p>												
Three Miles South of Harrisburg, Cabarrus County	04	2230EST					0	0	4	?	Thunderstorm Winds, Hail, Rain	
<p>Trees were blown down and windows were broken by one and one half inch hail. Driveways were washed out by heavy rain.</p>												
Trinity, Northwest Randolph County	04	2245EST					0	0	?	?	?	Hail
<p>One and three-quarter inch hail reported.</p>												
Bessemer City, Gastonia, Gaston County	04	2250EST					0	0	4	?	Hail	
<p>One inch hail damaged vehicles and broke glass from homes and vehicles.</p>												

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>— NORTH CAROLINA</b>									
Northern Randolph County	04	2310EST-2337EST			0	1	6	5	Thunderstorm Wind, Hail
		Towns of Glenola, Liberty, Level Cross, and North Asheboro reported following damage: Hail ranging from 1-3/4 inch to 2-1/2 inch knocked windshields from many cars, numerous trees and power lines blown down. Damage was heaviest in the Liberty area (2337EST) where an AT&T communications tower was destroyed by extremely high winds. A mobile home (located in extreme S.E. Guilford County) was blown over, slightly injuring one occupant, and roofs were slipped from chicken houses. Property damage estimated over \$500,000. Extensive crop damage also reported.							
Southern Alamance County	04	2345EST-2358EST			0	0	?	?	Thunderstorm Wind
		The storm listed above continued across southern Alamance County where some trees and power lines were blown down.							
Chapel Hill, Orange County	05	0022EST			0	0	?	0	Hail
		One and three-quarter inch hail reported in the city as above storm began to weaken.							
Surry County	05	1400EST-1545EST			0	0	5	?	Thunderstorm Wind, Hail
		At 1400EST, at the Little Cans Community near the Virginia border, hail up to three inches in diameter was reported to be 10 inches deep on the ground and piled in drifts against houses. Severe damage to roofs reported. Hail up to 1-1/2 inch fell two miles southeast of Mt. Airy at 1435EST. A second severe storm struck Surry County from 1530-1545EST when trees were reported down between Elkins and Pilot Mountain.							
Walnut Cove, Stokes County	05	1550EST			0	0	?	5	Hail
		One and three-quarter inch hail was reported. Some farmers reported worst hail storm in memory. Similar hail reports received from western Stokes County.							
Winston-Salem, Forsyth County	05	1650EST			0	0	5	0	Thunderstorm Wind, Hail
		The FAA Tower at Smith-Reynolds Airport observed wind gusts to 72 knots and 3/4 inch hail. In the city, trees and power lines were blown down in 15 different areas. A 125 foot tree fell into a home.							
Greensboro Area, Guilford County	05	1655EST-1700EST			0	0	4	?	Thunderstorm Wind, Hail
		Three-quarter to 1-1/4 inch hail reported in city and five miles north of Greensboro. Trees were blown down outskirts of city.							
Catawba County	05	1719EST-1749EST			0	0	?	?	Thunderstorm Wind, Hail
		One inch hail reported at Conover at 1719EST and at Claremont at 1749EST. Many trees and power lines blown down in the Hickory area. Two thousand five hundred customers without power.							
Jamestown, Guilford County	05	1725EST			0	0	4	?	Thunderstorm Wind
		Trees and power lines blown down.							
Statesville, Iredell County	05	1730EST			0	0	?	?	Hail
		Three-quarter inch hail reported.							
Mooresboro, Western Cleveland County	05	1800EST			0	0	?	?	Thunderstorm Wind
		Trees and power lines blown down. Several hundred without power.							
Julian, Southeast Guilford County	05	1800EST			0	0	3	0	Thunderstorm Wind
		Many trees and power lines down.							
Rutherfordon, Rutherford County	05	1805EST			0	0	4	?	Thunderstorm Wind, Hail
		Winds estimated to 60MPH shook mobile homes and hail to 1-3/4 inch fall. Many large trees down along with power lines. Considerable property damage.							
Kinesville Area, Southern Alamance County	05	1810EST-1930EST			0	0	4	?	Funnel Cloud, Thunderstorm Wind
		A funnel cloud was reported near Interstate 40, many trees and power lines were blown down, and one barn destroyed by falling trees. Gusts to 70 MPH were estimated in extreme southeast Alamance County at 1819EST.							
<b>— NORTH CAROLINA</b>									
Bakersville, Mitchell County	05	1810EST			0	0	?	?	Thunderstorm Wind, Hail
		Trees were blown down and hail 3/4 to 7/8 inch reported.							
Spruce Pines, Avery County	05	1815EST			0	0	?	?	Hail
		Three-quarter inch hail reported.							
Person County	05	1820EST-1830EST			0	0	4	?	Thunderstorm
		Two separate severe storms in Person County. At 1820EST, in Roxboro, trees and power lines were torn down, leaving 2000 homes without power. At 1830EST in the northwestern part of the county, gusts up to 70MPH blew down trees around Hyco Lake.							
Morrisville, Iredell County	05	1823EST			0	0	?	?	Hail
		Three-quarter inch hail reported by spotter.							
10 Miles South of Greensboro Airport, Guilford County	05	1827EST			0	0	?	?	Hail
		One inch hail observed.							
Columbus, Polk County	05	1830EST			0	0	?	?	Thunderstorm Wind, Hail
		Large trees blown down and 7/8 inch hail reported.							
Concord and Kannapolis, Cabarrus County	05	1830EST-1900EST			0	0	6	?	Thunderstorm Wind, Hail
		Second straight day of severe weather this area, described by some as worse than 6/4. Cars were crushed by falling trees, hail from 1-3/4 to as large as 4-1/2 inches reported. Commonly reported size 2 inch. Actual damage estimates not available yet.							
Enfield, Halifax County	05	1830EST			0	0	4	0	Thunderstorm
		Four power lines down, two poles broken, three streets blocked by fallen trees, considerable property damage.							
Northeast Rutherford County	05	1840EST			0	0	?	?	Hail
		One and three-quarter inch hail reported.							
Gastonia, Gaston County	05	1900EST			0	0	5	0	Hail
		Hail of one and three quarter inch severely damaged 50 homes and 20 automobiles.							
Cornwall Area, Granville County	05	1900EST			0	0	3	?	Thunderstorm Wind
		Gusts to 70-80MPH reported near Cornwall and over much of northern half of county, blowing down trees.							
Eastern Wake County	05	1900EST-1940EST			0	0	4	0	Thunderstorm Wind
		Widespread damage, mostly to trees and power lines reported. One mobile home destroyed. A line repairman was electrocuted in Knightdale while trying to restore power.							
Clayton, Johnston County	05	1925EST			0	0	3	0	Thunderstorm Wind
		Trees and power lines blown down.							
Henderson, Vance County	05	1930EST			0	0	3	0	Thunderstorm Wind
		Trees were blown down and utility sheds destroyed.							
Smithfield, Johnston County	05	1930EST			0	0	?	?	Thunderstorm Wind
		Many trees and power lines were blown down.							
Marshall, Madison County	05	1935EST			0	0	?	?	Thunderstorm Wind, Hail
		Large tree limbs down and 7/8 inch hail reported.							
North of Lillington, Harnett County	05	1935EST			0	3	5	0	Thunderstorm Wind, Hail
		Two mobile homes severely damaged, one destroyed. Six or seven houses with minor damage, trees uprooted by downburst winds. Two adults and one child suffered minor injuries in destroyed mobile home. Many reports of hail up to 1-3/4 inch in same area.							
Cabarrus County	05	1938EST-1957EST			0	0	4	0	Thunderstorm Wind, Hail
		A second wave of severe storms hit Cabarrus County on this evening. At 1938EST, trees and power lines were blown down and one inch hail fell at Claremont. One inch hail was reported in Concord at 1945EST, and 3/4 inch hail fell at Mount Pleasant at 1957EST.							

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1965

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE				CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	KILLED	INJURED	PROPERTY	CROPS	
<b>— NORTH CAROLINA</b>													
Mooresville, Iredell County	05	1945EST			0	0	?	?					Hail
			Three-quarter inch hail reported as a second severe storm struck the county.										
Denver, Lincoln County	05	1950EST			0	0	?	?					Thunderstorm Wind, Hail
			Trees were blown down and 3/4 inch hail reported.										
Rocky Mount, Nash and Edgecombe Counties	05	2000EST-2030EST			0	0	4	?					Thunderstorm Wind
			A severe thunderstorm swept across Rocky Mount, blowing down trees and power lines. The damage began at 2000EST on the Nash County side of town, last damage reported around 2030EST in Edgecombe County.										
Lillington Area, Harnett County	05	2005EST-2010EST			0	0	3	?					Thunderstorm Wind
			A second severe storm developed west of Lillington. A car was blown off a highway near town at 2005EST, and trees were blown down onto power lines 5 miles southeast of town at 2010EST.										
Western, Northern and Southwest Mecklenburg County	05	2015EST-2024EST			0	0	4	0					Thunderstorm Wind
			Numerous reports of trees and power lines blown down beginning west and northwest around 2015EST, and in southwest part of county at 2024EST. In the Lake Wylie area, thirty pine trees were uprooted, several power lines blown down, three houses damaged, and a car valued at \$10,000 was crushed.										
Hyatt Creek, Haywood County	05	2015EST			0	0	3	0					Thunderstorm Wind
			A new garage was blown onto a car just north of Maggie.										
Three Miles West of Goldsboro, Wayne County	05	2020EST			0	0	0	?					Thunderstorm Wind
			Trees were blown across US70.										
Monroe and Southern Union County	05	2030EST-2113EST			0	0	4	?					Thunderstorm Wind
			At 2030EST in Monroe, numerous trees and power lines were blown down, a grain auger was blown over, and about \$25,000 damage to homes reported. Damage concentrated in path one mile long, 150 yards wide. Trees and power lines were blown down in the southern part of the county at 2113EST.										
Albemarle, Stanly County	05	2045EST			0	0	3	4					Thunderstorm Wind, Rain
			Trees were blown down and substantial damage to crops from wind and rain reported.										
Near Southern Pines, Moore County	05	2045EST			0	0	0	0					Thunderstorm Wind
			Trees were blown across US 1.										
Pitt County	05	2050EST			0	0	3	?					Thunderstorm Wind, Hail
			Trees were blown down in Greenville, gusts up to 60MPH reported near Ayden and Calico, also 1-1/2 inch hail reported near Ayden.										
Camden, Camden County	05	2100EST			0	0	?	?					Thunderstorm Wind
			Gusts of 60MPH blew down trees.										
Hoke County	05	2100EST			0	0	?	?					Thunderstorm Wind, Hail
			Three-quarter inch hail reported in western part of county, and trees were blown down in Raeford.										
Anson County	05	2103EST-2115EST			0	0	?	?					Thunderstorm Wind
			Trees and power lines were blown down.										
Laurinburg, Scotland County	05	2140EST			0	0	3	?					Thunderstorm Wind, Rain
			Gusts to 60MPH tore down trees and power lines and blew tin off buildings. Substantial urban flooding reported.										
Milwaukee, Northampton County	05	2230EST			0	0	5	0					Thunderstorm Wind
			The roof of one home was destroyed, eight other buildings were damaged, utility sheds were destroyed, and trees were uprooted.										
North-Central Yadkin County	06	1323EST			0	0	?	?					Thunderstorm Wind, Hail
			Three-quarter inch hail and trees blown down.										
<b>— NORTH CAROLINA</b>													
Redland, Davie County	06	1405EST			0	0	?	?					Thunderstorm Wind, Hail
			Three-quarter inch hail and trees blown down at Redland Fire Station, Highways I-40 and NC-158.										
Davidson County	06	1430EST-1505EST			0	0	?	?					Thunderstorm Wind, Hail
			At 1430EST near Lexington, high winds blew a car off the road, roads were blocked by falling trees, and hail from 1-3/4 to 2-3/4 inches fell. At 1500EST, a spotter reported 3/4 inch hail and trees blown down near Healing Springs. At 1505EST, 3/4 inch hail was reported at Denton.										
Troy, Montgomery County	06	1600EST			0	0	?	?					Hail
			Seven-eighths inch hail reported.										
Eastern and South-Eastern Lincoln County	06	1602EST-1620EST			0	0	?	?					Hail
			Hail from 3/4 to 1-3/4 inches reported.										
Stanly County	06	1608EST			0	0	4	?					Thunderstorm Wind, Hail
			Storm described as "worst of series" in Stanly County blew down trees, damaged homes and sheds. Hail up to 1-1/4 inch covered the ground.										
Charlotte Area, Mecklenburg County	06	1643EST-1700EST			0	0	5	0					Thunderstorm Wind, Hail
			Numerous reports of hail from 3/4 inch to 1-3/4 inch, as well as trees and power lines blown down.										
Gastonia, McAdenville, Gaston County	06	1648EST-1717EST			0	0	?	?					Hail
			One inch hail reported at Gastonia at 1648EST and 3/4 inch hail at McAdenville area 1715-1717EST.										
Southeast Charlotte, Mecklenburg County	06	1720EST	1	267	0	0	5	0					Tornado (F0), Thunderstorm Wind
			A small tornado touched down in Charlotte suburbs. The damage path was about 800 feet wide, and about one mile long. One person saw the funnel, and the roof of several trains reported. The storm moved northwest to southeast, and resulted in damage of less than \$500,000, mostly from trees falling onto homes. An area of downburst, damage 100 feet by 1000 feet, was reported about a mile southwest and parallel to the tornado track.										
Rockingham Area and Hamlet, Richmond County	06	1730EST-1755EST			0	0	5	?					Thunderstorm Wind, Hail
			Part of the roof of a manufacturing plant was blown off, 30 trees were uprooted, and windows were blown out. Hail up to one inch in diameter fell over the area.										
Near Gibson, Scotland County	06	1800EST			0	0	3	0					Thunderstorm Wind
			The Richmond County storm moved into southern Scotland County where 2 trees were blown down, and the top of a large shed was removed. The storm then moved southeast into South Carolina.										
Hickory, Conover, Catawba County	06	2040EST-2045EST			0	0	5	?					Thunderstorm Wind
			Another severe storm moved through Catawba County. In Hickory, at 2040EST, wind blew trees onto cars and houses. Near Conover, at 2045EST, trees and power lines were reported down, a barn was blown off its foundation, and a roof was blown off a house.										
Murphy Area, Cherokee County	06	2045EST-2110EST			0	0	?	?					Thunderstorm Wind
			Large trees and power lines blown down northwest of town at 2045EST, with trees reported across roads at 2110EST near town.										
5 Miles West of Hayesville, Clay County	06	2120EST			0	0	?	?					Thunderstorm Wind
			Several large trees uprooted.										
Cherokee County	07	1200EST-1305EST			0	0	?	4					Hail
			The following specific times and hail sizes across the county were received: approximately 1200EST hail unknown size Unaka and Marble areas; 1257EST hail up to 1-3/4 inch at Bearclaw, and at 1305EST 1-3/4 inch hail at Peachtree Community and Tomolia. Crop damage in the first areas affected amounted to \$20,000 to vegetables and \$5,000 to tobacco.										

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>— NORTH CAROLINA</b>									
Hayesville Area, Clay County	07	1315EST-1400EST			0	0	4	4	Thunderstorm Wind, Hail
			Trees and power lines blown down, 1-3/4 inch hail reported. About \$10,000 damage reported to buildings from wind and falling trees. \$30,000 damage to crops.						
Sparta, Alleghany County	07	1400EST			0	0	?	?	Thunderstorm Winds
			Trees were blown down or snapped off.						
Black Mountain, Buncombe County	07	1415EST			0	0	?	?	Hail
			One inch hail was reported.						
Marion, McDowell County	07	1425EST			0	0	?	?	Thunderstorm Wind, Hail
			Winds were estimated as high as 100MPH, blowing down a dozen trees which blocked roads, and 1-3/4 inch hail was reported.						
Morganton, Burke County	07	1445EST			0	0	?	?	Hail
			Three-quarter inch hail was reported.						
Cashiers, Brevard; Transylvania County	07	1445EST-1500EST			0	0	?	?	Hail
			One inch hail was reported at 1445EST at Cashiers and 3/4 inch hail at 1500EST in Brevard.						
Cricket, Wilkes County	07	1500EST			0	0	3	?	Thunderstorm Wind
			Several trees were blown down. One fell onto a home, causing minor damage.						
Hiawasee Lake and over Cherokee County	07	1500EST			0	0	4	?	Thunderstorm Wind, Hail
			One and three-quarter inch hail fell and several hundred trees were blown down over the county.						
Hickory Area, Catawba County	07	1530EST-1600EST			0	0	4	0	Thunderstorm Wind, Hail
			Hail as large as one inch fell, and winds gusting higher than 60MPH covered streets with trees and power lines.						
Davie County	07	1600EST-1630EST			0	0	4	0	Thunderstorm Wind, Funnel Cloud
			Thunderstorm winds blew down many trees across the county. A funnel cloud was observed in the Davie Academy Community, where buildings were damaged by high winds and a main power line was blown down near Mocksville.						
Lincoln County	07	1620EST-1630EST			0	0	?	?	Hail
			Three-quarter inch hail reported at Lincolnton at 1620EST, and at Denver at 1630EST.						
Fallston, Cleveland County	07	1640EST			0	0	?	?	Hail
			Three-quarter inch hail reported.						
Gaston County	07	1644EST-1718EST			0	0	?	?	Thunderstorm Wind, Hail
			At 1644EST, 3/4 to 1 inch hail at High Schools; trees blown onto highway 321, Northern Gaston County at 1651EST, and 3/4 to 1 inch hail reported at Mount Holly at 1718EST.						
Davidson County	07	1645EST-1715EST			0	0	5	?	Thunderstorm Wind
			A severe thunderstorm moved southeast across the southern half of the county. Hardest hit areas were Silver Valley - Denton Areas. The roof of one business was removed, portions of roofs of two homes destroyed, a 300 gallon fuel tank overturned, a house under construction was destroyed, and many trees were blown down.						
Mecklenburg County	07	1708EST-1756EST			0	0	5	0	Thunderstorm Wind, Hail
			Severe thunderstorms pounded the area for almost an hour. During this period there were many reports of hail ranging from 3/4 inch to around two inches, and wind gusts to around 70MPH. Some specific reports:						
			1708EST N. Charlotte 3/4 to one inch hail						
			1730EST Olde Providence two inch hail						
			1740EST SW Mecklenburg two inch hail, Gusts to 70 MPH						
			1745EST Mecklenburg/Union County Line 3/4 inch hail, 70MPH gusts						
			1756EST Sharon Road West 1-3/4 inch hail						
<b>— NORTH CAROLINA</b>									
Randolph County	07	1726EST			0	0	4	0	Funnel Cloud, Thunderstorm Wind
			The severe thunderstorm moved into western Randolph County from Davidson County. Many trees and power lines blown down in Seagrave, Ulah, and Pisgah areas. Members of the Tabernacle Fire Station watched a funnel cloud near NC highway 64.						
Union County	07	1800EST-1850EST			0	0	?	?	Hail
			One inch hail reported at Stallings, Indian Trail, and Weddington at 1800EST, and in the southern part of the county at 1850EST.						
Mecklenburg and Union Counties	07	1807EST-2040EST			0	0	?	?	Flooding, Hail
			As severe thunderstorms redeveloped over this area, some hail continued to fall, but significant urban and small stream flooding began. Water was estimated at 3-1/2 feet deep in some streets in Charlotte (into windows of cars) at 1807EST. Flooding of this type continued until around 2040EST in both counties. Two and one-half inch hail was reported at Pineville in Mecklenburg County at 1925EST, and 3/4 inch hail at Carmel Road in Charlotte at 2014EST.						
Moore County	07	1855EST-1924EST			0	0	4	?	Thunderstorm Wind, Hail
			The area of severe storms moving from the Davie, Davidson, and Randolph County areas reached Eagle Springs in Moore County at 1855EST, where trees were blown down. At 1910EST, 1-3/4 inch hail fell in the Southern Pines and Pine Bluff areas. Several trees and power lines were blown down at Aberdeen at 1924EST, and more trees reported blown down in Southern Pines at 1930EST.						
Ashley Heights, Hoke County	07	1920EST			0	0	?	?	Thunderstorm Wind, Hail
			Trees were blown onto power lines by winds estimated at 60MPH, and 3/4 inch hail was reported.						
Robeson County	07	1950EST-2000EST			0	0	?	?	Thunderstorm Wind, Hail
			One inch hail reported at Red Springs at 1950EST, a car was blown into a ditch in the Shannon area, and trees were blown onto power lines at St. Pauls.						
Ft. Bragg Area, Cumberland County	07	2038EST			0	0	0	0	Thunderstorm Wind
			Large tree limbs were blown off.						
New Hanover County	07	2220EST			0	0	5	0	Thunderstorm Wind
			Wind gust to 58MPH at the Coast Guard Station at Wrightsville Beach. A roof was torn off a house, other residences damaged, and trees snapped off in Wilmington, about 7 miles south-southeast of the airport.						
Newland, Avery County	10	1500EST			0	1	0	0	Lightning
			Lightning injured a man working on top of the town's water plant.						
Concord, Cabarrus County	10	1630EST			0	0	?	?	Thunderstorm Wind
			Many trees blown down during a severe thunderstorm.						
Farlife Community, Martin County	10	1705EST-1730EST			0	0	0	5	Hail
			Ice cube size hail fell for 25 minutes, destroying 11 acres of tobacco.						
Salisbury, Rowan County	10	1710EST			0	0	4	?	Thunderstorm Wind, Hail
			A large tree was blown onto a truck; the three occupants escaped injury. The wind tore the roof off a storage barn, and 3/4 inch hail fell.						
Bethel, Pitt County	10	1755EST			0	0	0	0	Thunderstorm Wind
			Gusts to 60MPH reported.						
Hickory Area, Catawba County	10	1800EST			0	0	0	?	Thunderstorm Wind
			A few trees and power lines were blown down during a severe thunderstorm.						
Taylorsville, Alexander County	10	1815EST			0	0	0	3	Thunderstorm Wind
			Trees were blown down and minor property damage reported.						

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>— NORTH CAROLINA</b>											
Clemmons, Forsyth County	11	1720EST			0	0	?	?			Thunderstorm Wind Trees were blown down.
Rural Mocksville, Davie County	16	1730EST			0	0	?	?			Thunderstorm Wind Trees were uprooted.
Salisbury, Rowan County	16	1830EST			0	0	?	?			Thunderstorm Wind Many trees and power lines reported blown down.
Near Spivey's Corners, Sampson County	16	1930EST			0	0	0	0			Funnel Cloud Family watched funnel for a few minutes, also high winds but little or no damage.
Hares Crossroads, Northern Johnston County	18	1240EST			0	0	3	4			Thunderstorm Wind Large tree limbs and power lines blown down. Small hail damaged tobacco crops.
Hickory, Catawba County	23	1700EST			0	0	5	?			Thunderstorm Wind High winds blew out a side of a warehouse, tore down a fence, and large pecan trees were blown down.
Columbus, Polk County	24	1535EST			0	0	3	0			Thunderstorm Wind Several large trees and some power lines were blown down. Most of town without power.
Shelby, Cleveland County	24	1600EST			0	1	0	0			Lightning A 20-year girl suffered ear injury and was hospitalized when lightning struck phone line.
Person County	24	1650EST-1735EST			0	0	4	6			Thunderstorm Wind, Hail Large, nearly stationary severe thunderstorm devastated crops in southern Person County. Five hundred - six hundred acres of tobacco and corn were totally destroyed, 325 acres 50% to 100% destroyed, and many more acres suffered 10% to 15% damage. The damage path from hail up to 2 inches in diameter and extremely high winds began at 1650EST, about 3 miles south of Roxboro and continued south to the Durham County line. The storm lasted for 30 to 45 minutes in several locations. Numerous trees were uprooted or blown down, some across roads, and one across a mobile home at Timberlake at 1710EST, where 1-3/4 inch hail was also reported.
Stom, Berga; Granville County	24	1730EST-1745EST			0	0	?	4			Hail One inch hail fell for 15 minutes, damaging some tobacco crops.
Manson Area, Warren County	24	1730EST			0	0	?	?			Hail One inch hail was observed.
Williamsboro, Vance County	24	1735EST			0	0	?	?			Hail One and one half inch hail reported.
Southern Cabarrus County	24	1800EST			0	0	4	0			Thunderstorm Wind At the Concord Speedway, 120 feet of wooden fence was blown down. It was supported by 3-1/2 inch metal posts which were broken off just above the ground. Several huge trees were also blown down, one onto a home.
Maiden, Catawba County	25	Evening			0	1	0	0			Lightning Lightning struck and injured a man watching a softball game.
The North Carolina Insurance News Service provided an estimate of insured storm related property damage of \$20,000,000 during the month of June.											
<b>32 NORTH DAKOTA</b>											
Northern North Dakota	08	Afternoon and Evening			0	0	*5	C			High Winds High winds snapped off tree branches, causing phone and power outages; damaged warehouses, garages, farm buildings and lake boat docks; tore soil from newly planted fields and damaged young crops; and reduced visibilities in blowing dust. Most of the damage occurred in the northeast section of the state. Wind gusts to 53 mph, 54 mph and 62 mph were reported at Grand Forks, Williston and Grafon, respectively. There were also unofficial reports of 80 mph wind gusts in northeast North Dakota.
Sterling 5NE (Burleigh County)	10	1050CST									Funnel
Streeter (Stutsman County)	10	1055CST									Funnel
Sterling 7NE (Burleigh County)	10	1647CST									Funnel
Steele 5E (Kidder County)	10	1650CST									Funnel
Menoken 12S (Burleigh County)	10	2102CST									Funnels Three funnel clouds were sighted by railroad personnel.
Cando (Towner County)	14	1235CST									Funnels Numerous funnel clouds were reported by the public and law enforcement officers in and around Cando.
Churchs Ferry 4N (Ramsey County)	14	1240CST									Funnel
Cando 10S (Ramsey County)	14	1250CST	0.3	50	0	0	0	0	0	0	Tornado (F1) A tornado moved east about 1/3 of a mile. No damage reported.
Toina 5W (Eddy County)	14	1300CST	0.3	50	0	0	0	0	0	0	Tornado (F1) A tornado moved southeast about 1/3 of a mile. No damage reported.
Devils Lake 3S (Ramsey County)	14	1300CST	Short	50	0	0	0	0	0	0	Tornado (F1) A tornado was on the ground for 5 minutes along the north shore at Devils Lake. No damage was reported.
Cando 5S (Towner County)	14	1305CST	Short	5-15	0	0	0	0	0	0	Tornado (FO) 1305CST Short 5-15 0 0 0 0 Tornado (FO) Local storm spotters reported two tornadoes briefly touched down simultaneously. No damage reported.
Valley City 10S (Barnes County)	14	1420CST			0	0	?	?			Hail Hail 1-3/4 inches in diameter occurred. The hail covered the ground.
Oakes 8N (Dickey County)	14	1430CST	Short	5-15	0	0	0	0	0	0	Tornado (FO) Brief tornado touchdown. No damage reported.
Lisbon 10N (Ransom County)	14	1445CST			0	0	*?	C			Hail, Thunderstorm Wind Hail 1-3/4 inches in diameter occurred. The hail, along with gusty thunderstorm winds, damaged young crops.
McVillie 15NW (Nelson County)	14	1520CST			0	0	0	0	0	0	Hail Hail 1-3/4 inches in diameter occurred. No damage reported.
Lidgerwood 1SSW (Richland County)	14	1630CST			0	0	0	0	0	0	Hail Hail 3/4 of an inch in diameter occurred. The hail covered the ground. No damage reported.
Churchs Ferry 5SE (Ramsey County)	14	1724CST									Funnel
West, south-central and southeast North Dakota	17	Morning and Afternoon			0	0	*4	C			High Winds High winds blew down trees and branches, causing local power outages. Some crop damage also occurred. Wind gusts to 58 mph and 54 mph were recorded at Bismarck and Jamestown, respectively.
Kathryn (Barnes County)	21	1035CST			0	0	*?	C			Thunderstorm Winds, Hail, Heavy Rains Strong thunderstorm winds and hail 3/4 of an inch in diameter occurred. The wind and hail was accompanied by 1 to 3 inches of rain. This combination damaged growing crops on surrounding farmland.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

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

## NORTH DAKOTA

Litchville (Barnes County)	21	1040CST			0	0	*5	C	Thunderstorm Winds, Hail, Heavy Rains
Hail 1 inch in diameter broke windows. In addition, strong thunderstorm winds uprooted trees, tore shingles off roofs, and destroyed farm storage sheds and bins. The wind and hail were accompanied by 1 to 3 inches of rain which damaged surrounding cropland.									
Enderlin (Ransom County)	21	1048CST			0	0	0	0	Hail
Hail 1 inch in diameter occurred. No damage reported.									
Fingal (Barnes County)	21	1100CST			0	0	0	0	Hail
Hail 3/4 of an inch in diameter occurred. No damage reported.									
Langdon 7NE (Cavalier County)	24	1628CST	Short	400	0	0	5	0	Tornado (F2)
A tornado destroyed some farm buildings and knocked down some utility poles.									
Walhalla 8NW (Cavalier County)	24	1630CST	Short	100	0	0	5	0	Tornado (F1)
A tornado destroyed a mobile home and a pole barn.									
Vang 1NW (Cavalier County)	24	1655CST	Short	5-15	0	0	0	0	Tornado (F0)
Brief tornado touchdown. No damage reported.									
Moffit 6SW (Emmons County)	24	1915CST			0	0	*7	C	Hail
Hail 1 inch in diameter caused some crop damage.									
Hebron 14S (Grant County)	26	1900CST			0	0	4	0	Lightning
Lightning struck and burned a barn and tractor.									
Walhalla (Pembina County)	30	2035CST			0	0	0	0	Hail
Quarter-sized hail occurred. No damage reported.									

## 33 OHIO

Lucas County	03	0135-0230 EST			0	0	4	C	Hail
Two thunderstorms moved through the county and produced large hail. At 0135 EST, 3/4" hail fell in the eastern part of the county in Jerusalem Twp. At 0226 EST, a second thunderstorm produced one inch diameter hail in Toledo.									
Harrison County	03	0700 EST			0	1	0	0	High Wind
Lightning struck and injured a delivery truck driver near Jewett.									
Tuscarawas County	08	2000 EST			0	0	4	0	High Wind
A severe thunderstorm downed trees and did minor structural damage in Dover.									
Fulton County	09	0337 EST			0	0	4	C	Hail
3/4" diameter hail was reported 4 miles east of Delta.									
Wood County	09	0418 EST			0	0	4	C	Hail
A thunderstorm produced 3/4" hail at Grand Rapids. The hail damaged crops in this area.									
Hancock County	09	0445 EST			0	0	4	0	High Wind
Thunderstorm winds downed trees and utility lines in the Mt. Blanchard area. Farm outbuildings also sustained minor damage.									
Marion County	09	0635 EST			0	0	4	C	High Wind, Hail
A severe thunderstorm crossed the county, producing damaging winds and large hail. One and a half inch diameter hail fell in Marion while strong winds downed trees and damaged buildings.									
Marion County	09	0635 EST			0	0	4	0	High Wind, Hail
A thunderstorm produced large hail and damaging winds in Marion. The storm downed several trees and caused minor roof damage.									

## OHIO

Wyandot County	09	0642 EST			0	0	5	C	Hail
Hail up to one inch in diameter was reported in several parts of the county as a thunderstorm passed through. The hail fell in Wharten at 0642 EST and in Upper Sandusky at 0647 EST. Considerable crop damage resulted from the storm.									
Delaware County	09	0716 EST			0	0	4	C	Hail
1" diameter hail fell 5 miles north of Delaware.									
Wayne County	09	0950 EST			0	0	5	C	Hail
Golf ball sized hail fell at Apple Creek and Fredericksburg. The hail damaged crops and fruit trees.									
Holmes County	09	1005 EST			0	0	4	C	Hail
One inch diameter hail fell 5 miles southwest of Brewster.									
Carroll County	09	1020 EST			0	0	4	0	High Wind, Hail
A severe thunderstorm downed trees and produced 3/4" hail at Leesville.									
Clermont County	11	1750 EST			0	0	4	0	High Wind
Winds from a thunderstorm damaged buildings and overturned a mobile home 4 miles north of Williamsburg in Jackson Twp.									
Montgomery, Greene and Clark Counties	11	1840-1900 EST			0	0	5	0	High Wind
A severe thunderstorm caused considerable wind damage in northern Montgomery and Greene Counties and in southern Clark County. The most significant damage occurred in the Enon area. Winds were estimated at 70mph.									
Ross County	11	2000 EST			0	0	4	0	High Wind
Thunderstorms winds downed trees and damaged buildings 3 miles south of Chillicothe in Franklin Twp.									
Morgan County	11	2100 EST			0	0	4	0	High Wind
Winds during a thunderstorm were estimated at 60mph in the McConnesville area. The winds downed trees and unroofed a mobile home.									
Van Wert County	15	2205 EST			0	0	4	C	High Wind, Hail
A thunderstorm produced damaging winds and 1" diameter hail at Convoy and Dixon. The winds downed trees and utility lines while the hail damaged crops.									
Geauga and Ashtabula Counties	22	1630-1715 EST	29.4	35	0	2	5	0	Tornado (F1)
A tornado first touched down near Thompson and moved east-northeast at 35mph across Ashtabula County. The storm had a hit-skip damage path and exited the county, passing 1 mile north of Pierport. The storm apparently continued on into Pennsylvania. Damage estimates were \$ 400,000.									
Belmont County	22	2000 EST	1.5	50	0	0	4	0	Tornado (F1)
A mini tornado touched down 5 miles north of Barnesville near I-70. Eyewitness saw a storm lift a car off the ground. Several farm buildings were extensively damaged.									
Holmes County	22	2030 EST			0	0	4	0	High Wind
A severe thunderstorm downed trees and utility lines at Mt. Hope.									
Stark County	22	2040 EST			0	0	4	0	High Wind
Thunderstorm winds downed trees in Minerva. A funnel cloud was spotted but did not touch down.									
Columbiana County	22	2050 EST			0	0	4	0	High Wind
60mph winds caused damage to buildings at Millport. An outhouse was moved 400 feet and several trees were downed.									
Carroll County	22	2052 EST			0	0	4	0	High Wind
Thunderstorm winds caused damage in Malvern. Some buildings were damaged and several trees were downed.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

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

## 34 OKLAHOMA

Woodward, Woodward County	01	1500CST			0	0	5	?	Wind
A thunderstorm produced 85 mph winds which did considerable damage to five aircraft and a hangar at the airport. Damage estimated at \$200,000.									
Niles, Canadian County	01	1530CST			0	0	?	?	Hail
Golfball size hail fell 4 miles east of Niles.									
Okeene, Blaine County	01	1530CST			0	0	?	?	Wind
A thunderstorm produced strong winds which took the roof off a farm house and knocked 8 power poles over.									
Lacey, Kingfisher County	01	1537CST			0	0	?	?	Wind
A thunderstorm produced 50 to 60 mph winds which downed trees and power lines 5 miles east of Lacey.									
Lake Lawtonka, Comanche County	01	1540CST			0	0	?	?	Hail
3/4 inch size hail fell.									
Hennessey, Kingfisher County	01	1545CST			0	0	?	?	Wind
A thunderstorm produced strong winds which downed trees and power-lines and broke off two power poles.									
Cement, Caddo County	01	1600CST			0	0	?	?	Hail
One inch diameter hail fell.									
El Reno, Canadian County	01	1600CST			0	0	?	?	Hail
Golfball size hail fell 4 1/2 miles south and 3 miles west of El Reno.									
Cyril, Caddo County	01	1600CST			0	0	4	?	Wind
A thunderstorm produced strong winds which destroyed a mobile home, a garage, and several outbuildings 2 1/2 miles northeast of Cyril. The roofs of two barns were also blown off as well as several large trees being blown down. Damage estimated at \$50,000.									
Minnekah, Grady County	01	1610CST			0	0	?	?	Hail
Hail the size of quarters fell.									
Hinton, Caddo County	01	1615CST			0	0	?	?	Hail
Hail the size of nickels fell.									
Stillwater, Payne County	01	1639CST			0	0	?	?	Wind
Thunderstorm - produced winds downed trees and power lines.									
Crescent, Logan County	01	1640CST			0	0	?	?	Hail/Wind
3/4 inch size hail fell and strong winds downed power lines.									
Orlando, Logan County	01	1700CST			0	0	?	?	Hail/Wind
3/4 inch size hail fell and strong winds downed power lines.									
Perry, Noble County	01	1715CST			0	0	?	?	Wind
Thunderstorm-produced winds downed trees and power lines.									
Tulsa, Tulsa County	01	1845CST			0	0	?	?	Hail
One inch size hail fell in southern Tulsa.									
Tahlequah, Cherokee County	01	1930CST			0	0	?	?	Wind
A thunderstorm produced strong winds which downed large trees and power lines.									
Thomas, Custer County	01	2013CST			0	0	?	?	Hail
3/4 inch size hail fell 4 1/2 miles south of Thomas.									
Geary, Blaine County	01	2041CST			0	0	?	?	Hail
3/4 inch size hail fell.									

## — OKLAHOMA

Okarche, Kingfisher County	01	2056CST			0	0	?	?	Hail
3/4 inch size hail fell.									
Calumet, Canadian County	01	2105CST			0	0	?	?	Hail
3/4 inch size hail fell 2 1/2 miles north and four miles west of Calumet.									
Okarche, Kingfisher County	01	2115CST			0	0	?	?	Wind/Hail
A thunderstorm produced 60 to 65 mph winds and 1/2 inch size hail.									
Crescent, Logan County	01	2115CST			0	0	?	?	Hail
3/4 inch size hail fell.									
Reydon, Roger Mills County	02	0133CST			0	0	?	?	Hail
3/4 inch size hail fell.									
Strong City, Roger Mills County	02	0230CST			0	0	?	?	Hail
One inch size hail fell just east of Strong City.									
Chouteau, Mayes County	02	1030CST			0	0	?	?	Wind/Hail
A thunderstorm produced strong winds which damaged the roofs of several houses. 1/2 to 3/4 inch size hail also fell.									
Locust Grove, Mayes County	02	1105CST			0	0	?	?	Hail
3/4 inch size hail fell near Locust Grove.									
Kansas, Delaware County	02	1116CST			0	0	?	?	Hail
3/4 inch size hail fell.									
Mangum, Greer County	02	1640CST			0	0	?	?	Hail
One and 1/2 inch size hail fell 6 miles north of Mangum.									
Sayre, Beckham County	02	1658CST			0	0	?	?	Hail
One inch size hail fell.									
Cambridge, Kiowa County	02	1708CST			0	0	?	?	Hail
3/4 inch size hail fell.									
Granite, Greer County	02	1708CST			0	0	?	?	Hail
1 1/2 inch size hail fell.									
Canute, Washita County	02	1709CST			0	0	?	?	Hail
Golfball size hail fell.									
Vinson, Harmon County	02	1718CST			0	0	?	?	Hail
Golfball size hail fell just west of Vinson.									
Cambridge, Kiowa County	02	1724CST			0	0	?	?	Hail
Golfball size hail fell.									
Sentinel, Washita County	02	1724CST			0	0	?	?	Hail
Golfball size hail fell just west of Sentinel.									
Vinson, Harmon County	02	1737CST			0	0	0	0	Funnel Cloud
A funnel cloud was spotted near Vinson.									
Cambridge, Kiowa County	02	1740CST			0	0	?	?	Hail
1 1/2 inch size hail fell.									
Thomas, Custer County	02	1745CST			0	0	?	?	Hail
Tennis ball size hail fell.									
Custer City, Custer County	02	1745CST			0	0	?	?	Hail
1 1/2 inch size hail fell.									



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>OKLAHOMA</b>									
Reed, Greer County	02	1746CST			0	0	0	0	Funnel Cloud
	A funnel cloud was observed near Reed.								
Gotebo, Kiowa County	02	1756CST			0	0	?	?	Hail
	3/4 inch size hail fell.								
Jester, Greer County	02	1800CST			0	0	?	?	Hail
	Golfball size hail fell 4 miles south of Jester.								
Thomas, Custer County	02	1800CST			0	0	?	?	Hail
	Baseball size hail fell.								
Rocky, Washita County	02	1800CST			0	0	?	?	Hail
	Penny size hail fell.								
Hydro, Blaine County	02	1800CST			0	0	?	?	Hail
	3/4 inch size hail fell just north of Hydro.								
Gotebo, Kiowa County	02	1804-1811CST			0	0	?	?	Hail
	Golfball size hail fell from Gotebo to 4 miles southeast, and baseball size hail fell just west of Gotebo.								
Gotebo, Kiowa County	02	1812CST			0	0	0	0	Funnel Cloud
	A funnel cloud occurred just west of Gotebo.								
Watonga, Blaine County	02	1816CST			0	0	?	?	Hail
	3/4 inch size hail fell.								
Hobart, Kiowa County	02	1820CST			0	0	?	?	Hail
	Golfball size hail fell just north of Hobart.								
Gotebo, Kiowa County	02	1820CST	Short Narrow	0	0	0	0	0	Tornado (F0)
	A tornado briefly touched down four miles west of Gotebo, reported from NSSL chase team. No damage occurred.								
Mangum, Greer County	02	1820CST			0	0	0	0	Funnel Cloud
	A funnel cloud was reported near Mangum.								
Gotebo, Kiowa County	02	1825CST	Short Narrow	0	0	0	?	?	Tornado (F0)
	A tornado was observed by NSSL chase teams along Highway 9 between Gotebo and Mountain View. No damage occurred.								
Sedan, Kiowa County	02	1900CST			0	0	?	?	Hail
	Hail the size of walnuts covered 30 percent of the ground.								
Hobart, Kiowa County	02	1904CST			0	0	?	?	Hail
	One inch size hail fell.								
Mountain View, Kiowa County	02	1915CST	Short Narrow	0	0	0	0	0	Tornado (F0)
	A tornado touched down briefly at a point 4 miles west and 4 miles south of Mountain View. No damage occurred.								
Carnegie, Caddo County	02	1930-1945CST			0	0	?	?	Hail/Wind
	A thunderstorm produced golfball size hail and 70 mph winds from one mile south to 5 miles east of Carnegie.								
Elk Mountain, Comanche County	02	2000CST			0	0	0	0	Funnel Cloud
	Several funnel clouds were reported around Elk Mountain.								
Meers, Comanche County	02	2030CST			0	0	?	?	Hail
	3/4 inch size hail fell.								
Apache, Caddo County	02	2045CST			0	0	?	?	Hail
	Golfball size hail fell.								
Fletcher, Comanche County	02	2050CST			0	0	?	?	Hail
	Golfball size hail fell.								
<b>OKLAHOMA</b>									
Hollis, Harmon County	02	2222CST			0	0	?	?	Hail
	Dime size hail fell just north of Hollis.								
Carter, Beckham County	02	2240CST			0	0	?	?	Hail
	Golfball size hail fell near Carter, damaging a wheat field.								
Mangum, Greer County	02	2300-2315CST			0	0	?	?	Hail
	One inch to 1 1/2 inch size hail fell from Mangum to 2 1/2 miles east of Mangum.								
Granite, Greer County	02	2324CST			0	0	?	?	Hail
	Golfball size hail fell five miles south of Granite.								
Lone Wolf, Kiowa County	02	2345CST			0	0	?	?	Hail
	Hail the size of nickels fell.								
Union City, Canadian County	03	0128CST			0	0	?	?	Hail
	Hail the size of quarters fell.								
Reydon, Roger Mills County	03	1520CST			0	0	?	?	Hail
	Hail the size of nickels fell near Reydon.								
May, Harper County	03	1520CST			0	0	?	?	Wind
	A thunderstorm produced 50 to 60 mph winds just west of May.								
Woodward, Woodward County	03	1523CST			0	0	?	?	Wind
	A thunderstorm produced 50 to 60 mph winds in northwest Woodward.								
May, Harper County	03	1605CST			0	0	?	?	Hail
	Hail the size of nickels fell 15 miles east of May.								
Wakita, Grant County	03	1630CST			0	0	?	?	Hail
	Penny size hail fell.								
Hobart, Kiowa County	03	1800CST			0	0	5	0	Lightning
	Lightning caused a house to burn, causing \$55,000 damage.								
Enid, Garfield County	03	1820CST	Short Narrow	0	0	5	?	?	Tornado (F1)
	A tornado touched down in north-northeast Enid. Power poles and many trees were downed, with damage to roofs of homes. Winds of 70 to 80 mph were also reported with the storm. Damage estimated at \$100,000.								
Garber, Garfield County	03	1850CST			0	0	?	?	Hail
	Hail the size of nickels fell.								
Covington, Garfield County	03	1905CST			0	0	?	?	Hail
	Golfball to baseball size hail fell near Covington.								
Edmond, Oklahoma County	04	1505-1515CST			0	1	?	?	Wind
	A collapsing thunderstorm produced 50 to 70 mph winds near Edmond and portions of northwest Oklahoma County. 15 to 20 telephone poles were downed. One pole fell on an auto, injuring the driver. Dime size hail also fell.								
Edmond, Oklahoma County	04	1621CST			0	0	5	?	Lightning
	Lightning caused a house to burn, with damage estimated at \$80,000.								
Okay, Wagoner County	04	1824CST			0	0	?	?	Hail
	3/4 inch size hail fell near Okay.								
Sapulpa, Creek County	04-05	Evening-Night			0	0	?	?	Flash Flooding
	Heavy rains caused Polecat and Rock Creeks to overflow, flooding a two mile strip on the southern edge of Sapulpa. Water rose above 5 feet, damaging 8 businesses and forcing 25 families to be evacuated. No estimate on damages.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>OKLAHOMA</b>									
South-Central Sections	05-06	Night-Morning			4	0	?	?	Flash Flooding
	Heavy rains measuring up to near 10 inches caused flooding in Carter, Love, and Marshall Counties. Heavy flooding was reported in Ardmore, Lone Grove, Wilson, Kingston, and Madill. Many businesses suffered damage and many roads and bridges were damaged. Four people in Ardmore drove around a deputy and a roadblock into a flooded street and were washed off the road. The four people; a man 63, his wife 59, their grandson 14, and granddaughter 12, were drowned.								
Guymon, Texas County	09	0700CST			0	0	5	?	Wind
	A thunderstorm produced strong winds which destroyed a barn, a mobile home, a partially completed house; damaged an aircraft, and uprooted several trees. Damage estimated at \$75,000.								
Corn, Washita County	09	1730CST			0	0	?	?	Hail
	3/4 inch size hail fell 4 1/2 miles northwest of Corn.								
Hydro, Caddo County	09	1815CST			0	0	?	?	Hail
	3/4 inch size hail fell 5 miles south of Hydro.								
Bessie, Washita County	09	1815CST			0	0	?	?	Hail
	Hail the size of quarters fell.								
Corn, Washita County	09	1845CST			0	0	?	?	Hail
	Golfball size hail fell.								
Dill City, Washita County	09	1908CST			0	0	?	?	Hail
	Golfball size hail fell.								
Eastern Kay and Osage Counties	10	Morning-Daytime			0	0	6	?	Flash Flooding
	Heavy rains of 6 to 8 inches caused flash flooding in eastern Kay County and along Bird Creek in Osage County from Pawhuska to Skiatook. The hardest hit cities were Pawhuska, Barnsdall, Avant, and Skiatook. Nearly 100 families had to be evacuated. Forty to fifty homes and businesses received water damage. Many roads were underwater, with damage done to the roads and bridges. Damage is estimated between one and two million dollars.								
Bartlesville, Washington County	10	0430CST			0	0	5	?	Lightning
	Lightning caused a house and all of its contents to burn. Damage set at \$450,000.								
Buffalo, Harper County	10	1800CST			0	0	?	?	Wind
	A thunderstorm produced 60 to 70 mph winds which uprooted large trees and downed 15 telephone poles 10 miles east of Buffalo.								
Winchester, Woods County	10	1947CST			0	0	?	?	Wind
	A thunderstorm produced 60 to 70 mph winds 20 miles west of Winchester.								
Amorita, Alfalfa County	10	2005CST			0	0	?	?	Wind
	A thunderstorm produced 60 to 70 mph winds which broke off large tree limbs and downed several power poles.								
Waynoka, Woods County	10	2040CST			0	0	?	?	Wind
	A thunderstorm produced 60 mph winds which downed trees and a few telephone poles.								
Enid, Garfield County	10	2118CST			0	0	?	?	Wind
	A thunderstorm produced 60 mph winds which downed power poles and uprooted several large trees.								
Kingfisher, Kingfisher County	10	2150CST			0	0	?	?	Wind
	A thunderstorm produced winds up to 60 mph which downed power lines and uprooted several large trees.								
Will Rogers Airport, Oklahoma County	10	2247CST			0	0	?	?	Wind
	A thunderstorm produced 59 mph winds at the control tower.								
<b>OKLAHOMA</b>									
Norman, Cleveland County	10	2315CST			0	0	?	?	Wind
	A thunderstorm produced winds up to 60 mph, downing power lines and breaking off large tree limbs.								
Manchester, Grant County	14	2005CST			0	0	?	?	Hail
	Golfball size hail fell.								
Freedom, Woods County	14	2005CST			0	0	?	?	Hail
	Golfball size hail fell 14 miles northwest of Freedom.								
Lookout, Woods County	14	2010CST			0	0	?	?	Hail
	Golfball size hail fell.								
Mooreland, Woodward County	14	2040CST			0	0	?	?	Hail
	3/4 inch size hail fell 14 miles north of Mooreland.								
Carmen, Grant County	14	2055CST			0	0	?	?	Hail
	3/4 inch size hail fell 5 miles northeast of Carmen.								
Buffalo, Harper County	14	2058CST			0	0	?	?	Hail
	Hail the size of quarters fell 20 miles southeast of Buffalo.								
Freedom, Woods County	14	2100CST			0	0	?	?	Hail
	3/4 inch size hail fell 7 1/2 miles east of Freedom.								
Fort Supply, Woodward County	14	2118CST			0	1	3	?	Wind/Hail
	Golfball size hail and 77 mph winds occurred at Fort Supply Lake. Several campers were damaged and one man was injured when a tree fell on his tent. Damage estimated at \$2,000.								
Bartlesville, Washington County	14	2210CST			0	0	?	?	Hail/Wind
	3/4 inch size hail fell and winds of 50 to 60 mph occurred.								
Ochelata, Washington County	14	2220CST			0	0	?	?	Hail
	Golfball size hail fell.								
Salt Plains Lake, Alfalfa County	14	2220CST			0	0	?	?	Hail
	Hail the size of nickels fell on the east side of the lake.								
Hominy, Osage County	14	2230CST			0	0	?	?	Hail
	Golfball size hail fell.								
Lamont, Grant County	14	2230CST			0	0	?	?	Hail
	Golfball size hail fell 10 miles west of Lamont on Highway 60.								
Hunter, Garfield County	14	2230CST			0	0	?	?	Hail
	3/4 inch size hail fell one mile north of Hunter.								
Hardy, Kay County	14	2232CST			0	0	?	?	Hail
	Hail the size of nickels fell.								
Shidler, Usage County	14	2235CST			0	0	?	?	Hail
	3/4 inch size hail fell.								
Oologah, Rogers County	14	2240CST			0	0	?	?	Wind
	A thunderstorm produced 60 mph winds.								
Collinsville, Tulsa County	14	2245CST			0	0	?	?	Hail
	Golfball size hail fell.								
Foraker, Usage County	14	2245CST			0	0	?	?	Hail
	3/4 inch size hail fell.								
Owasso, Tulsa County	14	2250CST			0	0	?	?	Hail
	3-inch size hail fell 3 miles north of Owasso.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>OKLAHOMA</b>									
Claremore, Rogers County	14	2255CST			0	0	?	?	Hail
		3/4 to 1 1/2 inch size hail fell 10 miles west of Claremore.							
Owasso, Tulsa County	14	2255CST	Short Narrow		0	0	5	?	Tornado (F1)
		A tornado touched down in northern sections of Owasso. This was followed by 70 to 80 mph winds and golfball size hail. A house and barn were unroofed and 10 other homes damaged. Damage estimated at \$250,000.							
Catoosa, Rogers County	14	2301CST			0	0	?	?	Wind
		A thunderstorm produced 60 mph winds.							
Catoosa, Rogers County	14	2310CST			0	0	?	?	Hail
		Golfball size hail fell.							
Barnsdall, Osage County	14	2315CST			0	0	?	?	Hail
		3/4 inch size hail covered the ground along Highway 11 between Barnsdall and Skiatook.							
Broken Arrow, Tulsa County	14	2316CST			0	0	?	?	Hail
		3/4 inch size hail fell.							
Jennings, Pawnee County	14	2320CST			0	0	0	0	Funnel Cloud
		A funnel cloud was reported over Jennings.							
Hominy, Osage County	14	2320CST			0	0	?	?	Hail
		Half-dollar size hail fell.							
Tulsa, Tulsa County	14	2321CST			0	0	4	?	Wind
		A thunderstorm produced winds which deroofed a barn and overturned a 5th wheel travel trailer. Damage estimated at \$35,000.							
Cleveland, Pawnee County	14	2325CST			0	0	6	?	Hail
		Hail the size of quarters fell 4 miles south of Cleveland and in Cleveland. Damage estimated at \$1 million dollars.							
Lake Keystone, Pawnee County	14	2336CST			0	0	?	?	Hail
		Hail larger than one inch in size fell 8 miles west of Lake Keystone.							
Prue, Osage County	14	2338CST			0	0	?	?	Wind
		A thunderstorm produced 60 mph winds.							
Mannford, Creek County	14	2345CST			0	0	4	?	Wind
		A thunderstorm produced strong winds which took the second story off of a nearly completed new home. Damage estimated at \$40,000.							
Sapulpa, Creek County	15	0000CST			0	0	?	?	Hail
		Golfball size hail fell just northeast of Sapulpa.							
Beggs, Okmulgee County	15	0138CST			0	0	?	?	Hail
		Nickel to golfball size hail fell 2 to 3 miles north of Beggs and in Beggs.							
Okmulgee, Okmulgee County	15	0211CST			0	0	?	?	Hail
		One inch size hail fell.							
Byars, McClain County	18	0030CST			0	0	?	?	Hail
		3/4 inch size hail fell 2 miles west of Byars.							
Vinson, Harmon County	18	0030CST			0	0	?	?	Hail
		Hail the size of nickels fell 4 miles south of Vinson.							
Mangum, Greer County	18	0109CST			0	0	?	?	Hail
		3/4 inch size hail fell just west of Mangum.							
Sterling, Comanche County	18	0230CST			0	0	?	?	Hail
		3/4 inch size hail fell 4 to 5 miles north of Sterling.							
<b>OKLAHOMA</b>									
Lawton, Comanche County	18	0350CST			0	0	4	?	Lightning
		Lightning caused \$5500 damage to a house.							
Pond Creek, Grant County	22	0000CST			0	0	?	?	Hail/Wind
		3/4 inch size hail fell and strong winds uprooted large trees.							
Kremlin, Garfield County	22	0015CST			0	0	?	?	Hail
		Hail the size of nickels fell.							
Kremlin, Garfield County	22	0020CST			0	0	?	?	Hail/Wind
		Hail the size of quarters fell four miles southeast of Kremlin. Strong winds also destroyed a barn and carried a 1000 gallon water tank 1/2 mile. Roof and tree damage also occurred with many power lines down.							
Garber, Garfield County	22	0100CST			0	0	?	?	Wind
		A thunderstorm produced strong winds that tore parts of roofs off of a mini-mart and a mini-storage unit.							
Enid, Garfield County	22	0110CST			0	0	?	?	Wind
		A thunderstorm produced 60 mph winds.							
Norman, Cleveland County	22	0612CST			0	0	4	?	Lightning
		Lightning caused \$26,000 damage to a mobile home in the eastern section of Norman.							
35 OREGON	NONE REPORTED								
<b>36 PENNSYLVANIA, Eastern</b>									
Monroe County	01	0105 EST	.25	1600	0	0	3	0	Tornado (F1)
		A tornado touched down briefly in the Tobyhanna-Mount Pocono area. FPPI-6							
Carbon County	01	0045 EST			0	0	2	0	Hail
		Golf ball size hail was reported.							
Huntingdon County	03	1340 EST			0	24	3	0	Lightning, Hail
		Fifteen children and nine adults were injured when lightning struck the playground at the Juniata Valley Elementary School. 1-1/2 inch hail fell in the northern part of the county and golf ball size hail in the south.							
Berks County	03	1450 EST			0	0	5	0	Hail, Wind, Lightning
		A lightning fire gutted a house in Exeter Township. Wind gusts up to 60 MPH brought down trees and utility poles. Hail 1/2 to 3/4 inch diameter fell in Exeter, Lower Alsace and Bern Townships.							
Chester County	03	1500 to 1600 EST			0	0	5	0	Lightning
		Lightning-caused fires destroyed a mobile home at Oxford and badly damaged a house at Towerville.							

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED* DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>— PENNSYLVANIA, Eastern</b>									
Saylorsburg, Monroe County	03	1610 EST	.25	17	0	0	4	0	Tornado (F1), Hail
									A tornado touched down briefly and badly damaged two mobile homes. Golf ball size hail also fell. FPPI-0
Hegins Township, Schuylkill County	03	1630 EST			0	5	2	0	Lightning
									A lightning strike traveled deep into a coal mine, setting off explosives and injuring 5 men.
Dauphin, Lancaster and York Counties	03	1900 EST			0	0	3	0	Hail, Wind
									Strong wind gusts brought down trees and utility poles. The highest gust reported was 57 MPH at Harrisburg. Golf ball size hail and 3/4 inch hail fell at Harrisburg and golf ball size hail fell at Linglestown.
Penn Township, Huntingdon County	16	1410 EST	1	80	0	0	4	0	Tornado (F1)
									A tornado touched down several times, destroying a mobile home and damaging 6 houses. FPPI02
Huntingdon, Mifflin, and Perry Counties	16	1400 to 1600 EST			0	0	2	0	Hail
									Hail 3/4 inch in diameter was reported in all three counties. Some of the hail in Mifflin County was 1-3/4 inch in diameter.
Lancaster and Chester Counties	16	1700 to 1800 EST			0	0	5	4	Hail, Lightning
									Hail up to 1 inch diameter and golf ball size was reported. The hail broke some windows and shredded some crops. Lightning struck a house in Lancaster County, causing some damage but no fire. A lightning-caused fire in a house in West Whiteland Township, Chester County, killed a dog and caused \$200,000 damage.
Delaware County	16	1800 EST			0	0	4	0	Wind
									Wind gusts brought down trees and utility lines in Yendon, Glenoiden, Boothwyn and Folsom.
Bucks County	16	1800 to 1900 EST			0	0	2	0	Hail
									Hail up to 1 inch in diameter fell in the county.
Carbon, Lehigh and Northampton Counties	16	1800 to 1900 EST							Hail, Wind
									Hail 3/4 to 1 inch in diameter was reported in all three counties. Some large trees were uprooted. Some street flooding was reported in Northampton County.
Coatesville, Chester County	16	2330 EST			0	0	4	0	Lightning
									Lightning caused fires in several homes. The damage was minor in all cases.
<b>— PENNSYLVANIA, Eastern</b>									
Northern Luzerne, Lackawanna, Southern Wayne and Wyoming Counties	24	1230 to 1330 EST			0	1	6	3	Large Hail, Wind
									Hail 3/4 to 2-3/4 inches in diameter or golf ball to tennis ball size was reported in these counties. Thousands of automobiles were damaged by the hail, some extensively. Houses and other buildings had siding, porches and windows damaged. Greenhouses had nearly all the glass broken. Trees, flowers and other plants were damaged. One woman was injured when she was struck on the head by a large hailstone. Strong wind gusts overturned camper trailers, took off parts of roofs and brought down trees.
Monroe County	24	1340 EST			0	1	3	0	Hail, Wind, Lightning
									Golf ball size hail was reported and trees were uprooted. One man was struck by lightning.
Cumberland County	24	1415 to 1435 EST			0	0	2	0	Hail
									Golf ball size hail was reported.
Monroe County	24	1430 to 1530 EST			0	0	2	0	Hail
									Hail larger than golf ball size was reported.
Nescopeak, Luzerne County	24	1430 to 1530 EST			0	0	4	0	Wind
									High wind gusts brought down trees and fences and took off parts of roofs. The trees were uprooted and broken off.
Carbon County	24	1500 EST			0	0	2	0	Hail
									Hail larger than golf ball size was reported
Northampton and Lehigh Counties	24	1530 to 1600 EST			0	0	3	0	Hail, Wind, Funnel
									Golf ball size hail was reported in both counties. Wind gusts caused downed utility lines which resulted in extensive power outages. A funnel cloud was also reported in Lehigh County.
York County	24	1600 to 1635 EST			0	1	3	0	Hail, Lightning
									Hail 1/2 to 1 inch diameter was reported, especially in Jackson and Springetsbury Townships. Lightning strikes resulted in some power outages. In Dover a man was injured when struck by lightning.
Cumberland County	24	1620 EST			0	0	2	0	Hail
									Hail 1 inch in diameter was reported.
Northern Bucks County	24	1600 to 1700 EST			0	0	2	0	Hail, Wind
									Hail the size of ping-pong balls was reported. Some trees were downed by wind gusts.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>36 PENNSYLVANIA, Western</b>											
Alexandria, Huntingdon County	3	1200EST			0	2	0	0			Lightning
15 children and 9 adults were injured, 2 critically, at a track and field event when struck by lightning.											
Wexford, Allegheny County	11	2250EST			0	0	5	0			Wind
A two story, unoccupied wood frame building collapsed during a thunderstorm. Cars were damaged from flying debris at a car dealership along Route 19. Many trees were blown down along Route 19. A roof was blown off an office building, and the steel frame of the building bent. The wind was estimated by weather service personnel at 75 to 100 mph.											
Huntingdon, Huntingdon County	16	1345EST			0	0	?	?			Hail
Hail, 3/4 inch in diameter, fell 15 miles south of Huntingdon. Also, 1.5 inches of rain fell in one hour.											
Altoona, Blair County	16	1501EST			0	0	?	?			Hail
Hail, 1 inch in diameter, was reported 15 mile northwest of the Altoona Flight Service Station.											
Beaver Center, Crawford County	22	1745EST	14	40	0	0	5	?			Tornado(F2)
After touching down first near Thompson, Ohio at 1630 EST, a tornado crossed the state line near Beaver Center at 1745EST. Near Beaver Center Road, roofs were blown off a farmhouse and barn, and a sawmill was destroyed. Continuing east, it passed over Springboro and Conneautville, causing only tree damage. At Crossingville at 1820 EST, it tore off the roof of a home near Route 98 and also damaged many trees.											
The total path length in both states, Ohio and Pennsylvania, was 43.4 miles; and the maximum F scale (F2) occurred in Pennsylvania.											
Littles Corner, Crawford County	22	2000EST	8	?	0	0	4	?			Tornado(F1)
A tornado lifted a garage off its foundation and deposited it 20 feet from its original location. The tornado continued east to Saegertown at 2030EST, but no reports of damage were received. It continued 2 miles to the southeast, touching down at Blooming Valley at 2035EST where it damaged two garages and overturned two wagons.											
Hartstown, Crawford County	22	2030EST	8	40	0	0	4	?			Tornado(F1)
Two campers were overturned and trees were uprooted as a tornado traveled southeast to Porters Corners at 2100EST. An unoccupied trailer was destroyed and a garage was damaged. A number of trees were also downed.											
Cooperstown, Venango County	22	2145EST	?	?	0	0	0	0			Tornado(F0)
Tree tops were sheared off as the funnel of a tornado passed over.											
Youngsville, Warren County	22	2245EST	3	?	0	0	4	?			Tornado(F1)
Three buildings and trees were blown down.											
<b>37 RHODE ISLAND</b>											
Near Prudence Island in Narragansett Bay	24	1330EST			1	0	0	0			Lightning
A bolt of lightning struck and killed a fisherman while he was on his boat in Narragansett Bay.											
Blackstone Valley	24	Mid-afternoon			0	0	?	0			Lightning
Heavy thunderstorms moving across the area accounted for lightning-caused power outages affecting about 12,000 electric customers.											
<b>38 SOUTH CAROLINA</b>											
Statewide	1-7				?	?	0	7			Hot, Dry
Unseasonably hot dry weather established daily high temperature records at many locations. Grain crop heavily damaged.											
Northwest South Carolina	2	p.m.			0	0	5	5			Thunderstorms,
Scattered thunderstorms across Pickens, Anderson, Wind, Hail Greenwood, Laurens, Abbeville Counties caused localized areas of hail and wind damage, including: Iva, Anderson County, 1315 EST - Golfball size hail damaged roofs, cars, shattered windows and caused heavy crop loss. Pickens County, 1300 EST - One inch hail damaged roof, cars, and crops. Troy, Greenwood County 1430 EST - Hail up to 1 1/2 inches in diameter. Abbeville, Abbeville County, 1340 EST - Winds and hail up to one inch in diameter caused considerable damage. Southern Edgefield County, 1400 EST - Hail up to one inch in diameter damaged roofs and cars.											
<b>SOUTH CAROLINA</b>											
Princeton, Western Laurens County	2	1715EST			0	0	4	5			Hail
Hail one inch in diameter.											
Ware Shoals, Greenwood County	2	1730EST			0	0	5	5			Hail
Golfball size hail covered ground.											
Northeast South Carolina	2-3	2300-0100EST			0	0	5	6			Thunderstorm,
Scattered thunderstorms across Florence, Marlboro, Wind, Hail Darlington, Marion, Horry, Georgetown Counties caused localized areas of wind and hail damage including: 3 miles south of Florence, 2339 EST - Hail up to one inch in diameter reported. Gapway Community, Marion County, 2332 EST - Golfball size hail damaged crops, cars and roofs. Winds destroyed a mobile home. 6 miles E. of Conway, Central Mobile Home Village, 0110 EST - Winds destroyed mobile home and one child sustained a cut on her leg. Golfball size hail damaged roofs, cars, and windows. Crops were also heavily damaged including 200 acres of tobacco and 400 acres of corn. Winds destroyed several farm buildings. Storm damage over an area one mile wide and ten miles long. Oaks Corner, Darlington County, 2310 EST - One inch hail caused crop damage.											
West of North Myrtle Beach, Horry County	3	0040EST	5	100	0	0	5	4			Hail, Tornado (F1)
A small tornado touched down west of North Myrtle Beach near S.C. 669 S 97, moved east-south-east to just west of Hickory Grove. One mobile home was destroyed and 12 others damaged. A church was also hit by the tornado. Hail up to one inch diameter was reported along and near the path of the tornado.											
Inman, Spartanburg County	3	1950EST			0	0	4	5			Hail
Hail 1 inch diameter accompanied by high winds and heavy rain.											
North Central and Central South Carolina	4	1630EST			0	0	4	4			Hail
Scattered thunderstorms across north central and central South Carolina caused areas of localized hail damage, including: Smyrna, York County, 1947 EST - Egg size hail broke windows. York, York County, 2047 EST - 1/2 inch hail. Orangeburg, Orangeburg County, 1630 EST - Golfball size hail. 15 miles south of Orangeburg, 1700 EST - 1 1/2 inch hail. Blacksburg, Cherokee County 1945 EST - Golfball size hail. Bethel Community, York County, 1840 EST - 1 inch hail and high wind. 5 miles E. of Clover, York, 1942 EST - 2 inch hail and some trees down.											
Northern South Carolina and Northeastern S.C.	5	1900 to midnightEST			0	0	4	3			Wind, Hail
Scattered thunderstorms across north and north-eastern South Carolina caused areas of localized wind damage in York, Chesterfield, Union, Lancaster, Chester, Darlington, Calhoun, Marion, Florence and Mariboro Counties. Damage included mostly limbs, disrupted utilities, etc. Hail 1" diameter at Dillon at 1915 EST and 3/4" diameter at Clarendon at 1945 EST. Wind destroyed aluminum shed and broke limbs in Fort Mill area of Lancaster County at 2030 EST. Near Pageland, Chesterfield County, 2150 EST - Wind toppled silo and damaged roofs of several farm buildings.											
Boiling Springs, Spartanburg County	6	1400EST			0	1	0	0			Lightning
Lightning struck carpenter on ladder, seriously injuring him.											
1 mile SW Ashwood, Lee County	6	1805EST			0	0	5	5			Wind
High winds during thunderstorm uprooted trees 18" in diameter, moved a house off its foundation, overturned a parked 18 wheel tractor-trailer, and destroyed carport, barn and fencing.											
Central and Northeast South Carolina	6	p.m.			0	0	4	4			Wind, Hail
Scattered thunderstorms with areas of hail and wind damage including: Union, Union County 1545 EST; Fairfield County 1700 EST; Sumter, Sumter County 1745 EST; Dillon, Dillon County 1815 EST; Clarendon County 1845 EST; Florence County, 1900 EST; Marion and Georgetown Counties, time unknown.											

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>— SOUTH CAROLINA</b>									
Statewide	7	p.m.			0	0	5	4	Thunderstorm, Wind, Hail
<p>An area of damaging thunderstorms moved across the state including:</p> <p><u>Anderson southward to Lake Hartwell, Anderson County, 1700 EST -</u> Thunderstorm winds wrecked 5 pontoon boats on Lake Hartwell, blew roof off a brick lakeside home at Waldrop's landing. One mobile home was destroyed and ten others damaged. Twelve families required public assistance.</p> <p><u>Near Pumpkin Town, Pickens County, 1540 EST -</u> One inch hail.</p> <p><u>Laurens Airport, Laurens County, 1700 EST -</u> Winds heavily damaged 5 planes at the Laurens Airport.</p> <p><u>Spartanburg, Spartanburg County 1643 EST -</u> Hail up to 1" in diameter reported.</p> <p><u>Greenwood, Greenwood County, 1740 EST -</u> Thunderstorm winds cut a swath from South Carolina 72 across Tranquil Road and S.C. 10. Falling trees damaged cars, homes, and farm buildings.</p> <p><u>2 to 5 miles north of Greer, 1638 EST -</u> Hail up to 3 inches in diameter reported. Electricity to 200 homes disrupted.</p> <p><u>Clinton, Laurens County, 1715 EST -</u> Lightning burned homes, also strong gusty winds reported.</p> <p><u>Rock Hill, York County, 1730 EST -</u> Hail 2" in diameter.</p> <p><u>Newberry, Newberry County, 1705 EST -</u> Winds destroyed a mobile home.</p> <p><u>Calhoun and Orangeburg Counties, 1930 EST -</u> Golf-ball size hail reported.</p> <p><u>Irmo-St. Andrews, Richland County, 1733 EST -</u> Hail up to 2 inches in diameter reported.</p> <p><u>Lake City, Florence County 2045 EST -</u> Wind blew down several trees.</p> <p><u>Blackville, Barnwell County, 2000 EST -</u> Church struck by lightning and burned.</p> <p><u>Bishopville, Lee County, 1930 EST -</u> Numerous trees down, powerlines disrupted.</p>									
4 miles to 2 miles west of Orangeburg, Orangeburg County	11	1750EST			0	0	4	4	Thunderstorm, Wind
<p>Thunderstorm winds damaged 2 mobile homes, farm building and equipment over small area 4 miles west of Orangeburg. Another area of wind damage, mostly to trees and a mobile home, occurred 2 miles west of Orangeburg.</p>									
Berkeley, Charleston, Dillon, Marion, Horry & Georgetown Counties	13	1400EST			0	0	4	5	Hail, Wind
<p>Scattered thunderstorms accompanied by hail the size of marbles spread across eastern S.C. and damaged roofs, tobacco, and other crops. Numerous power outages in North Charleston due to limbs breaking power lines.</p>									
Jenkins Island at Hilton Head, Beaufort County	16	0200EST	1/5	30	0	4	5	0	Tornado (F1)
<p>A small tornado passed through a recreational area, destroying a 32 foot mobile home. Four people were injured.</p> <p>The thunderstorm associated with the tornado also caused damage on Paris Island, Hilton Head and Daufuski Island.</p>									
Georgetown, Georgetown County	16	1500EST			0	0	4	3	Hail
<p>Hail up to golfball size reported in Georgetown.</p>									
Goose Creek Naval Weapons Stn., Berkeley County	16	1508EST			0	0	4	3	Hail, Wind
<p>Hail 1 1/2" in diameter with gusty winds damaged cars, broke windows and damaged crops.</p>									
10 miles east of Charleston Airport at Cainhoy Plantation, Berkeley County	16	1515EST			0	0	4	4	Hail, Winds
<p>Thunderstorm winds caused extensive tree damage over a 100 yd wide, 1/2 mile long path. A small barn was destroyed. Hail up to 1/2 inch in diameter.</p>									
Near Reidville, Spartanburg County	24	1315EST			0	0	3	4	Wind
<p>Tree limbs broken, powerlines down.</p>									
Tricounty area of Charleston, Berkeley and Dorchester Counties	27	0200EST			0	0	4	4	Wind, Hail
<p>Wind accompanied by hail blew down a number of trees in Summerville, North Charleston and Mount Pleasant.</p>									
Alcolu, Clarendon County	27				0	0	0	4	Hail
<p>Marble size hail in Alcolu, Clarendon County. 18 acres of tobacco and corn destroyed.</p>									
2.5 miles North of Pickens, Pickens County	29	1420EST			0	0	4	4	Wind
<p>Barn blown over, trees uprooted over small area during heavy thunderstorms.</p>									
<b>39 SOUTH DAKOTA</b>									
Clark County	7	1445 CST			0	0	0	0	Wind
<p>Winds gusted to 58 mph at Willow Lake.</p>									
Pennington County	10	0400 CST			0	0	2	0	Lightning
<p>Lightning struck the side of a home in Rapid Valley, burning some wires and filling the basement with smoke.</p>									
Hamlin County	14	1620 CST			0	0	?	?	Thunderstorm
<p>A thunderstorm produced one-quarter to one-half inch diameter hail in the Castlewood area. Considerable damage occurred to grain, corn, soybeans and gardens. Some areas just south of Castlewood had hail piled up to six inches deep. Leaves were stripped from several trees. Gusts to 60 mph accompanied the hail.</p>									
Grant and Roberts Counties	14	1800-2000 CST			0	0	?	?	Thunderstorms
<p>Thunderstorms produced strong winds and damaging hail of half inch to one and three-quarters inches in diameter. North of Milbank (Grant County) along both sides of Highway 15, crops incurred considerable damage. One farm lost 40 acres of corn and 30 acres of beans. A window on a mobile home was broken out by hail. Storm damage occurred in two separate strips. One area was from just north of Milbank to southeast Roberts County. The second affected area was from seventeen miles northeast of Sisseton (Roberts County) into Brown's Valley and along Mud Lake, where numerous crops received some hail damage.</p>									
Eastern Counties	17	Morning - Afternoon			0	0	0	?	Wind
<p>Strong winds gusting to 60 mph raked eastern sections, felling trees in numerous areas. In Moody County, soil losses were extensive.</p>									
Custer County	20	Early Evening			0	0	0	0	Wind
<p>Winds gusted to 70 mph in Custer State Park.</p>									
Pennington County	20	2130 CST			0	0	0	0	Lightning
<p>Lightning burned thirty acres of grassland in Badlands National Park, south of Wall.</p>									
Beadle County	21	0209 CST			0	0	3	?	Wind
<p>Winds gusting to 63 mph hit the northern side of Huron, downing trees and branches. A shed was blown over a fence.</p>									
Black Hills	24	Evening			0	0	?	?	Lightning
<p>Lightning started fourteen fires in the Black Hills National Forest, ranging in size from spot fires to one to two acres. Fires extended from the Elk Mountain area (Custer County) to northwest of Nemo (Lawrence County).</p>									
Edmunds County	24	1730 CST			0	0	4	0	Wind
<p>Strong winds damaged the roofs of two stores in Bowdle. Portions of the roof were dragged along a building, knocking out a chimney, shearing off a utility pole and coming to rest atop a warehouse across the alley. Several trees were felled and power was knocked out for over ten hours.</p>									
Potter & Walworth Counties	24	1950 CST			0	0	0	0	Funnel Cloud
<p>A funnel cloud was reported by the public one-half mile east of Hayes.</p>									
Potter County	24	2135 CST			0	0	0	0	Lightning
<p>Lightning knocked out the power for an hour in western sections of the county.</p>									
Walworth County	24	2200 CST			0	0	0	0	Wind
<p>Winds gusted to 60 mph at Mobjridge.</p>									
Deuel County	25	1425 CST			0	0	3	0	Wind
<p>At Toronto, winds of 60 mph damaged a building that housed school buses.</p>									
Xingsbury & Brookings Counties	25	1440-1500 CST			0	0	0	0	Thunderstorm
<p>A thunderstorm with heavy rainfall and gusts to 60 mph felled many large trees and damaged many others west of and in Arlington. Rainfall was estimated at two inches which fell in approximately fifteen minutes. Power was interrupted for less than an hour.</p>									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>— SOUTH DAKOTA</b>									
Hand & Beadle Counties	25	1610 CST			0	0	3	0	Lightning
	Lightning struck a cable TV tower in Wessington and damaged the tower and an office nearby. Several appliances and televisions in Wessington were also damaged.								
Minnehaha County	25	1750-1800 CST			0	0	0	0	Thunderstorm
	A thunderstorm produced strong gusty winds, very heavy rain and half-inch diameter hail ten miles east of Sioux Falls, resulting in some tree damage.								
Black Hills	26	Morning			0	0	0	0	Snow
	The latest snowfall on record occurred in portions of the Black Hills, ranging from a trace to one inch at O'Neill Pass (Lawrence County).								
Brookings County	26	Afternoon			0	0	3	0	Wind
	In Arlington, wind destroyed the canopy on a building, toppled a radio tower and broke a window. Some outside equipment was moved, a flag pole at a motel was bent and the door on a building was blown in.								
Black Hills	30	1200 CST			0	0	?	?	Lightning
	Dry weather and lightning combined to produce thirteen small fires in the Black Hills. Most fires were less than an acre each in size, though one fire was 3-4 acres in size. Four fires began 2-7 miles west of the Pactola Reservoir (Pennington County), three fires in the Steamboat Rock - Piedmont area (Lawrence and Meade Counties) and another two-acre fire was one mile west of Mount Rushmore (Pennington County).								
<b>40 TENNESSEE</b>									
Pickett, Scott, Fentress, Campbell, Hamblen, and Greene Counties	03	Midnight-0330 CST					4	3	High Wind
	A cluster of severe thunderstorms moved across upper East Tennessee, with most damage resulting from high winds. Damage was first noted in Pickett county just after Midnight CST, and continuing through the early morning hours, with Greene county receiving wind damage around 0330 CST. In Pickett county, strong thunderstorm winds blew down trees and power lines. A tree fell on a car and power was disrupted to 60 percent of the county residents for a time. In Scott county, a 10 mile path of damage occurred from Helenwood to the Annadell community. Numerous trees were uprooted, some of which fell onto 2 homes and 3 cars. Damage occurred to 2 structures under construction at the Huntsville Utility District's water treatment plants. Minor house damage also occurred in the New River community. In Fentress county, high winds blew trees across power lines in the northern part of the county, knocking out electricity for as much as 12 hours in some areas. Roof damage was sustained at a house in the Banner community. A tree fell across a car in Allard. In Campbell county, 50 mph winds downed numerous trees throughout the county. Power lines were also downed. The Campbell County High School suffered damage, including damage to the roof, to roof-mounted compressor units, and to metal flashing around the roof border. Water leaked into the cafeteria. The football scoreboard, a field house roof, and an announcer's booth were blown away. Damage also was sustained at the school's greenhouse. Total damage was estimated at \$10-15 thousand. Other damage around Campbell county included: a 24 by 80 foot shed was demolished on Middleboro Hiway; the Belle Meade shopping center roof was damaged; an auto dealer's sign was blown away; the Fleet building roof was damaged; a tree fell and crushed a truck and building in Indian River Village; big trees around the county golf course downed; and 3 other houses were damaged by falling trees. In Hamblen county, 2 cars were crushed by trees that were uprooted by the strong thunderstorm winds. In Greene county, 1 mobile home was partially damaged in the same manner. Power outages were common.								
Cumberland County	03	1715CST					3		Hail
	1 inch hail fell at Lantana, 10 miles southwest of Crossville. Minor damage occurred to automobiles and rooftops.								
Unicoi, Washington, and Carter Counties	03	Evening					4		Hail, and High Wind
	Evening thunderstorms dropped golf ball size hail in parts of each county, causing damage to several cars, particularly near Erwin in Unicoi county. Power and telephone services were disrupted as lines were downed by the strong winds. Tree damage was widespread.								
Montgomery County	04	1500CST					3		Lightning
	Lightning struck a power substation and transformers, disrupting power to 5000 homes for over an hour.								
Chattanooga, Hamilton County	04	Afternoon					1		Heat
	A 41 year old male suffered heat stroke as temperatures again rose into the mid 90s. The man's body temperature was recorded at 108.9 degrees.								
<b>— TENNESSEE</b>									
Knox, Morgan, Union, Claiborne, and Anderson Counties	04	1500-1900EST					3	2	Hail
	A cluster of thunderstorms deposited large hail in the following areas, with minor damage to cars: Golf ball size hail fell in the eastern portion of Oak Ridge (Anderson county) and damaged the crops in a garden; 1 inch diameter hail fell in the Cedar Bluff area of West Knoxville. 3/4 inch hail fell in Speedwell (Claiborne county), northern Union county, and at the Bull Run Steam Plant in Anderson county. Golf ball size hail fell north of New Tazewell (Anderson county) between 1515 and 1530EST, as well as at Karns (Knox county.) Golf ball size hail also fell on Pilot Mountain in Morgan county around 1840EST.								
Wilson County	04	1630CST	5.0	100	0	0	4	2	Tornado (F2), and Hail
	A strong tornado touched down 2 miles south of Laguardo along Highway 109, and traveled along an intermittent path of 5 miles to the southeast before finally lifting off the ground 1 mile west of the Lebanon city limits. A house was slightly damaged and a barn was destroyed, and power lines were downed. Minor crop damage also occurred, as softball size hail also fell from the parent thunderstorm.								
Davidson and Wilson Counties	04	1600-1700CST					4		Hail
	Baseball to grapefruit size hail fell from late afternoon thunderstorms in the Nashville area, from Joelton in Davidson county to Mt. Juliet in Wilson county. Numerous vehicles and buildings were damaged.								
Clarksville, Montgomery County	05	1400CST					?	?	Hail
	1/2 to 3/4 inch size hail fell in and around Clarksville during a thunderstorm.								
Claiborne and Union Counties	05	1545EST							Hail
	3/4 inch hail fell in Tazewell during a thunderstorm. Marble size hail also fell in northern Union county, with no reports of damage.								
Springfield, Robertson County	05	1630CST					?	?	Hail
	Golfball size hail was reported in Springfield; damage was apparently minor.								
Knox County	05	1845EST					?		Hail
	Golfball size hail fell at Sharp's Ridge, and 1 inch to golfball size hail fell from a thunderstorm in Knoxville at Magnolia and Cherry Streets.								
Unicoi County	05	Late Afternoon					5	?	Hail
	An estimated 500 cars and 100 homes sustained damage from golfball size hail. The damage at the homes was mainly roof damage.								
Dickson County	06	1500CST							Hail
	3/4 inch hail fell during a thunderstorm in the northern part of the county.								
Dyersburg, Dyer County	06	1500-1715CST					3		High Wind, Hail and Heavy Rain
	Between 2 and 3 inches of rain caused drainage ditches to quickly fill, and some low-lying yards were flooded. Strong winds from the thunderstorm blew down several trees and power lines, resulting in scattered power outages. The peak wind speed at the Dyersburg airport was 42 mph. 3/4 inch hail fell in eastern Dyer county.								
Gibson County	06	1700-1900CST					5	3	High Wind, and Hail
	A church school's gymnasium in Bradford was destroyed by high winds from a thunderstorm. A \$75,000 loss was estimated. Large hail damaged numerous vehicles, and a hole was punched through one car's roof. In the Idlewild community, a corn field was severely damaged by large hail; and at the Davidson Chapel community, a barn was blown down by high thunderstorm winds, and numerous trees were uprooted there as well.								
Paris, Henry County	06	1710CST					4		Lightning
	Lightning sparked a fire in the tower atop a junior high school. Lightning also struck a house at Kentucky Lake, east of Paris. Damage was around \$10,000.								
Sequatchie County	06	1715-1830CST					1	?	Lightning, and Hail
	A 44 year old female was killed by lightning on Fredonia Mountain above Dunlap. One inch to golfball size hail also fell in that area around 1830CST.								
Davidson County	06	1925CST					?	?	Hail
	Golfball size hail fell from a thunderstorm in the southwest corner of Davidson county.								
Maryville, Blount County	07	0115EST					5	3	High Wind
	High winds from a thunderstorm caused a large tree to crash through a house. Damage was estimated at \$50,000. Numerous other trees were downed, causing extensive power outages. Falling tree limbs also damaged a car. The strong winds caused numerous other instances of wind damage, such as a camper top being blown off its blocks, and crops, especially corn, were flattened by the winds and rain.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

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

## TENNESSEE

Van Buren County	07 0840-0905CST	?	?	Hail	3/4 inch hail was reported south of Spencer, and nickel size hail fell at Fall Creek Falls State Park during a thunderstorm.						
Warren County	07 1115CST	?	?	Hail	3/4 inch hail fell from a thunderstorm east of McMinnville.						
Hamilton, Cleveland, McMinn, and Marion Counties	07 1210-1900EST	?	?	Hail	Severe afternoon thunderstorms dropped hail ranging in size from 1/4 inch to the size of baseballs. At 1325EST, golfball to baseball size hail was reported between Athens and Etowah. At 1355EST, three inch hail fell at the Cleveland airport. Lemon size hail was reported at 1445EST in McMinn county; at 1725EST, golfball size hail fell at South Pittsburg in Marion county; and, at 1835EST golfball size hail fell north of Redbank in Hamilton county.						
Harriman, Roane County	07 Afternoon			2						High Wind	A billboard was blown down by strong thunderstorm winds at a church.
Decatur County	07 1400CST			2						Lightning	A storage building was struck by lightning and burned; \$100 damage resulted.
Cumberland County	07 1430CST			?						Hail	Golfball size hail fell in western and northern portions of the county.
Polk County	07 1500-1600EST			3						High Wind	Strong winds from a thunderstorm caused some damage to the Lake Ocoee Inn.
Normandy, Bedford County	07 1545CST			4						High Wind	Strong thunderstorm winds caused a tree to fall on a house and a car. Numerous other trees were uprooted. A store's front awning was torn and a plate glass window was blown out. A tree put a hole through the roof of a church as it fell.
Putnam County	07 2200CST			3						High Wind	High winds from a thunderstorm blew a tree against a house south of Cookeville, damaging the roof.
Memphis, Shelby County	10 1530CST			1						Lightning, and Heavy Rain	A 34 year old female was struck by lightning as she left the elementary school where she taught to walk to her car. Quick action by paramedics saved her life, and she later recovered. Heavy rain associated with the thunderstorm caused localized street flooding.
Wilson County	10 1600CST			5						Lightning, Flash Flooding, High Wind	Lightning started a fire at a house, and heavy damage occurred. 4 inches of rain in an hour caused flash flooding along South Greenhill Road and the nearby creeks. Some people were trapped in a waterlogged car for a short while, and water entered 5 or 6 homes. Numerous trees and power lines were downed by the high thunderstorm winds which peaked near 50 mph.
Paris, Henry County	10 1805CST			4						Lightning	Lightning ignited the roof of a house, causing a fire. Damage was estimated at \$10-15 thousand.
Sumner County	11 1700CST			1						High Wind	Several trees were uprooted by high thunderstorm winds in the Hollywood Hills subdivision. Some trees fell onto houses, but damage was minor. One minor personal injury occurred when a tree limb fell onto a man's arm. The Sumner County Sheriff's Department's radio repeater was also damaged, disrupting communications for over 2 hours. Electrical power was also disturbed in the county by downed power lines.
Waynesboro, Wayne County	17 1330CST			4						Lightning	A home was totally destroyed by fire, which was started by lightning during a thunderstorm.
Hamblen County	17 1600EST			3						Lightning	A small farm building was struck by lightning and destroyed by the resulting fire.
Tipton County	17 Afternoon			?						High Wind	Several trees in the Gainesville community were blown down by high winds from a thunderstorm. A mobile home was blown off its blocks in the Quito community.
Knox, Union, and Blount Counties	24 Afternoon			4						High Wind	High thunderstorm winds capsized 33 sailboats participating in a sailing event, damaging several of them. The roof of a golf cart shed, also in Knox county, was blown off at the Municipal Golf Course. Loss was estimated at \$25,000. In Union county, strong thunderstorm winds tipped away several sections of aluminum roofing from a house. In Blount county, thunderstorm winds blew a tree onto a house in the Lanier community, damaging the roof of the garage.

## TENNESSEE

Jackson, Madison County	25 1315CST	3	?	?	?	?	?	?	?	?	High Wind	A trailer at a tire company was ripped off its base by high winds from a thunderstorm, and torn to pieces. Several trees were downed, one of which fell across a car resulting in minor damage.
Williamson County	25 1330CST			3							Lightning	Fire, apparently started from lightning during a thunderstorm, destroyed a tobacco barn.
Nashville, Davidson County	25 1400CST			5							Lightning, and Heavy Rain	Lightning sparked a fire that destroyed all but 2 rooms at a home. Numerous traffic accidents were caused by poor visibility and hydroplaning vehicles. Localized street flooding resulted from the heavy rains.
Cookeville, Putnam County	25 1700CST			4							High Wind	A metal building garage that was under construction in the Poplar Grove area was flattened by strong winds from a thunderstorm. Several trees were uprooted, one of which crushed a car. Other fallen trees caused minor damage to houses.
Hohenwald, Lewis County	30 Evening			4							Lightning	Lightning is believed to have started a fire at a mobile home. The trailer and contents were heavily damaged.

## 41 TEXAS, Northern

Haskell County	4 1845CST	0	0	?	?	?	?	?	?	?	Thunderstorm Winds	Winds were clocked to 60 mph in Haskell.	
North Texas	4-6			2							?	Flooding	Heavy rains began during the late hours of the 4TH and continued into the evening of the 5TH. The worst flooding was along the Red River from Wichita Falls to Sherman, with two drownings reported during the evening of the 6TH. Most rainfall totals were under 5 inches, although over 7 inches fell in Pottsboro in Grayson County during the evening of the 5TH.
Haskell County	5 1815CST			0							?	Flooding	Several farm roads and Highway 380 were closed due to high waters.
Grayson County	5- 1722CST 6 0140CST			0							?	Flooding	Heavy thunderstorm rains during the late afternoon to early morning totaled 7.25 inches in Pottsboro. In Sherman, 6.73 inches rain fell during the period, with just over 3 inches falling in only 1 hour. There were unofficial reports of over 9 inches in the area. Numerous streets and roads were flooded, with cars being stalled in the Sherman-Denison area.
Wichita and Archer Counties	5- 1800CST 6 1800CST			2							?	Flooding	The heavy rains caused waters to begin flowing over the spillway at Lake Wichita at 1800CST on the 5TH. During the next 24 hours, close to 250 homes in Wichita Falls had to be evacuated due to rising waters, with some homes receiving up to 3 ft. of water inside. At 1730CST on the 6TH, a 12 year old boy was playing in an innertube in the fast-moving floodwaters in Wichita Falls when he was over-turned. He lost the innertube and drowned in the turbulent waters. At Lake Kickapoo in Archer County, a 19 year old man was walking over the spillway when the strong current caused him to lose his footing. He was washed downstream and drowned.
Tarrant County	5 1830CST			0							?	Flooding	Heavy rains caused flooding of several streets in the city of Benbrook.
Eastland County	5 2100CST			0							?	Flooding	Several streets were flooded and then barricaded in the cities of Cisco and Ranger.
Hamilton County	5 2320CST			0							?	Flooding	Numerous creeks were out of their banks, causing several farm roads and low water crossings to be flooded.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>41 TEXAS, Southern</b>									
Bexar, Blanco, Comal, and Hays Counties	5,6	evening-day			0	?	6	6	Flash Flooding, Wind
<p>A weak cold front stalled on a northeast-southwest orientation over the Texas Hill Country and produced very heavy rains which resulted in serious flash flooding in portions of the four county area. The heaviest rains occurred in southern Blanco County near Twin Sisters where an unofficial report of near 15 inches was measured. Rainfall amounts of 7 to 10 inches were observed in northwestern Bexar County in a narrow band from Geronimo Forest through Leon Springs. In western Comal County, the areas around Bulverde and Spring Branch, amounts ranged from 10 to 14 inches. The heavy rains produced rapidly rising waters and several hill country residents were plucked from rooftops and pulled from flooded vehicles at low water crossings. Normal flowing creeks and rivers were turned into raging torrents over a short period of time from the heavy deluge of rain. Blanco County experienced some of the worst flooding there in three decades as the Little Blanco and the Blanco Rivers surged out of their banks and washed away fences, livestock, mobile homes and one garage with an automobile still parked inside. At the confluence of the Cypress and Blanco Rivers, the river was the highest since 1957. Near Wimberly, at least two mobile homes were washed into the river. Also nearby, 2 camper trailers were also caught in the flood waters. At Spring Branch, the Cypress River rose to a height that flooded the post office and the volunteer fire department buildings. In Bexar County, from near Helotes, Leon Springs area northeast to near Bulverde, the Cibillo, Leon, and Helotes Creeks went on a rampage. Cars were washed away at low water crossings. Many motorists were rescued, some from treetops by helicopters. 4 persons were rescued from the top of an abandoned church building. In Bulverde, volunteer firemen rescued several persons from trees, as the area was isolated for several hours by the high water. The Bulverde Airport had 3 feet of water racing across the runway. A wildlife refuge, near Camp Bullis, was wiped out by the flood waters, but workers were able to save most of the wildlife. MAST helicopters rescued several persons from tree tops in the flood plain of the Leon Creek area of northwest Bexar County. The weight of the water from the heavy rains collapsed the roof of a furniture store in San Antonio.</p> <p>There were many vehicles washed off roadways and low water crossings throughout the 4 county area and many roads were closed and barricaded. Some roads in Guadalupe County were closed from the runoff of the flood waters.</p> <p>Thunderstorm winds overturned 2 airplanes at the Wood Creek Resort airport near Wimberly. The wind also damaged the porch of a nearby residence and unroofed one barn. Trees were also downed in the area.</p> <p>Damage from the floods was expected to run into the millions of dollars.</p>									
Williamson and Travis Counties	5,6	night-morning			2	0	6	6	Flash Flooding
<p>Heavy rains fell over portions of western Williamson County and western and southwestern Travis County, which produced flash flooding. Many roads were closed in the area around Leander and Cedar Park where 3-4 inches of rain was reported. In southwestern Travis County, Barton Creek was flooded and it took the lives of two persons. On Friday, June 7, a 22 year old man was swept away by the flood waters that had risen into Barton Springs Park. Another 21 year old man was drowned, apparently after his automobile was washed off a low water crossing. US Hwy 183 was closed for a short period of time because of the high water. Several motorists were stranded in high water in northwestern Travis County. M22E, M21V</p>									
Wharton County	7	1825CST			0	0	0	0	Hail
<p>Wharton County Sheriffs Dept. reported golfball size hail fell between El Campo and Wharton. Damage not reported.</p>									
Liberty County	11	1400CST			0	0	0	0	Hail
<p>Three quarter inch hail fell near Liberty. Damage not reported.</p>									
Harris County	11	1830CST			0	0	0	0	Hail
<p>Golfball size hail was reported on the north side of Houston. Damage not reported.</p>									
Victoria County	11	2349CST			0	0	?	0	Wind
<p>Thunderstorm winds downed trees, power poles and lines in the city of Victoria. The Victoria NWS Office recorded a wind gust to 56MPH at 2349CST.</p>									
Harris and San Jacinto Counties	18	Day			0	0	0	0	Flooding
<p>Up to 5 inches of rain fell in San Jacinto County. Heavy rains caused some street flooding in Houston. 3.5 inches of rain was reported at Cypress in northwest Harris County. 2.4 inches was reported at the Intercontinental Airport in northern Harris County. Satsuma had 3 inches.</p>									
<b>TEXAS, Southern</b>									
Bexar, Hays, and Guadalupe Counties	22	Evening			0	0	?	0	Flash Flooding, Lightning
<p>Thunderstorms dumped more than 5 inches of rain on parts of the hill country, causing isolated flooding and numerous road closings. Helotes, in northwestern Bexar County, received 5.5 inches of rain. San Marcos, in Hays County, reported 5.25 inches and Zorn in northern Guadalupe County had 5.50. There were several rescues of motorists that were stranded in high water. Several roads were closed and barricaded in the area. Lightning damaged two homes in San Antonio.</p>									
<b>41 TEXAS, Western</b>									
Hockley County	01	1605CST			0	0	?	0	Hail
<p>Hail sized to 1 1/4 inches fell in Whitharral. Damage undetermined.</p>									
Hale County	01	1708CST			0	0	0	0	Hail
<p>Golfball-sized hail 1 mile east of Abernathy.</p>									
Hale County	01	1720CST			0	0	?	0	Hail
<p>3/4 inch sized hail in Petersburg.</p>									
Crosby County	01	1800CST							Funnel
<p>A confirmed funnel was sighted about 15 miles northeast of Crosbyton.</p>									
Crane and Upton Counties	01	1820CST			0	0	0	0	Hail
<p>Spotters reported 1/4 inch sized hail south-southeast of Crane in Crane County and near McCamey in Upton County.</p>									
King County	01	1858CST			0	0	?	0	Hail
<p>Golfball-sized hail in Dumont.</p>									
Cottle and King Counties	01	1900CST							Funnels
<p>Two funnel clouds reported by storm spotters in Cottle and King Counties.</p>									
Cottle County	01	1912CST			0	0	0	0	Hail
<p>Golfball-sized hail 12 miles west-southwest of Paducah.</p>									
Ector County	01	2010CST	short	30	0	0	0	0	Tornado (FO)
<p>A small tornado on east side of Odessa was reported by the Fire Department. No damage.</p>									
Midland County	01	2021CST			0	0	0	0	Wind
<p>Wind gust to 61 mph at the National Weather Service Office in Midland.</p>									
Briscoe County	02	2125CST			0	0	2	?	Hail
<p>Hail to 1 inch in size fell in Vigo Park, about 20 miles northwest of Silvertown.</p>									
Collingsworth County	02	2210CST			0	0	4	0	Hail
<p>Baseball-sized hail fell in Samnorwood. Damage was confined to a few buildings and automobiles.</p>									
Gray County	03	1403CST			0	0	4	0	Hail
<p>Baseball-sized hail in south Pampa caused moderate damage to buildings and automobiles.</p>									
Wheeler County	03	1440CST			0	0	4	0	Wind
<p>Thunderstorms wind damaged 3 homes in Shamrock.</p>									
Loving County	03	1725CST			0	1	?	0	Hail, Wind
<p>Golfball-sized hail fell in Mentone. The wind was quite strong, damaging several houses, cars and mobile homes. One person was injured by flying debris.</p>									
Winkler County	03	1808CST	0.2	40	0	0	0	0	Tornado (FO), Hail
<p>A tornado with golfball-sized hail, 2 miles north of Wink, was reported by the public. No damage.</p>									
Winkler County	03	1812CST			0	0	0	0	Hail
<p>Golfball-sized hail in the vicinity of Kermit.</p>									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>TEXAS, Western</b>									
Cochran County	04	Morning			0	0	?	0	Flash Flood
	A flash flood hit the City of Morton and surrounding areas as a large cluster of storms dropped near 6 inches of rain during the early morning hours. Most of the heavy rain fell within an hour's time. An estimated 2 dozen families had to be evacuated to homes of friends and relatives on higher ground. One woman and family moved out of their house as flood waters and snakes rushed in.								
Hall County	04	1134CST			0	0	?	?	Hail
	Golfball-sized hail near Turkey.								
Ward County	04	1528CST			0	0	0	0	Hail, Funnel
	Baseball-sized hail and a funnel cloud near Grandfalls reported by the public.								
Gaines County	04	1735CST			0	0	?	0	Hail
	Golfball-sized hail in Seminole reported by spotters.								
Culberson County	04	1941CST	0.1	30	0	0	0	0	Tornado (FO)
	A tornado, 25 miles east of Pine Springs, was reported by the public.								
Howard County	04	2037CST			0	0	4	0	Wind
	Big Spring Police reported extensive damage to a house in Big Spring.								
Howard County	04	2059CST							Funnel
	A funnel cloud near Coahoma was reported by the Fire Department.								
South Plains	04-05	Day and Night			0	0	?	?	Flash Flood
	Rain amounts in excess of 5 inches fell in parts of the South Plains. Sudan, in Lamb County, received 9 inches while Plainview, in Hale County, and Halfway, in Lamb County, got more than 7 inches. Damage was extensive, mainly to crops. Total damage amount unknown. The hardest hit were the western and northern areas of the South Plains, where many streets and highways were closed.								
Gaines County	05	1651CST	0.1	40	0	0	0	0	Tornado (FO)
	A small tornado was reported 4 miles east of the New Mexico-Texas State Line near Highway 180. No damage.								
Midland County	05	1818CST							Funnel
	A funnel cloud over northern Midland County was reported by the Sheriff's Office.								
Pecos County	12	1715CST	short	30	0	0	0	0	Tornado (FO)
	A tornado touched down briefly, 25 miles northwest of Fort Stockton, according to the Department of Public Safety.								
Potter County	14	2125CST			0	0	3	?	Hail
	Golfball-sized hail, just northeast of Amarillo, caused moderate damage to buildings and automobiles.								
Carson County	15	0030CST			0	0	3	?	Hail
	Golfball-sized hail at Pantex caused minor damage to buildings.								
Sherman County	15	1930CST			0	0	0	0	Hail
	Golfball-sized hail about 15 miles southeast of Stratford.								
Culberson County	22	Evening			0	0	1	5	Hail
	A fierce, 45-minute hailstorm hit Wildhorse Valley, northeast of Van Horn. It pounded many acres of cotton, tomato, sweet potato crops and about 400 acres of pecan trees. The hail was pea sized at the beginning but got as big as golfballs and baseballs, according to a farmer. When the hail stopped, it had piled up to 8 inches deep throughout the pecan grove. Several chickens owned by another farmer were beaten to death; and of course, several houses and vehicles were damaged.								
Lubbock County	25	1353CST			0	0	4	0	Wind
	A wind gust to 67 mph was registered at the Lubbock Forecast Office. An automobile not far from the Forecast Office was heavily damaged.								
<b>42 UTAH</b>									
Washington County	18	1900MST			0	0	?	0	Thunderstorm Winds
	A thunderstorm downburst knocked some power lines out, blew over a mobile home and damaged several others in Dixie Downs just northwest of St George.								
Davis and Utah Counties	23	1050MST			0	0	2	0	High Winds
	Strong pre-frontal winds, combined with thunderstorm winds, produced gusts as high as 54 mph during this Sunday afternoon. A peak wind gust of 59 mph was reported at Hill AFB, and a gust to 52 mph was reported at Provo.								
Weber County	25	1100MST			0	0	1	0	Funnel Cloud and Hail
	A persistent funnel cloud over the Great Salt Lake was watched by the observers at the Ogden Airport and others on this Tuesday. One citizen videotaped the funnel cloud, which at one point came within about 100 feet of the ground. Three quarter inch hail was also reported in North Ogden at about the same time.								
Utah County	25	1945MST			0	0	1	0	Thunderstorm Winds and Hail
	Several reports of golf ball size hail across northern Utah County accompanied thunderstorm winds to 66 mph. Numerous reports of smaller hail were also received.								
Salt Lake and Utah Counties	26	0125MST			0	0	1	0	Hail
	A thunderstorm dumped one inch hail in the western portion of the Salt Lake Valley and then moved southward to Utah County and later dropped 3/4 inch hail in Provo.								
Tooele County	26	0520MST	0.1	65	0	0	1	0	Waterspout
	A waterspout formed over the Great Salt Lake early this Wednesday morning. The funnel was visible from as far as 20 miles to the east in the morning sky. A slight southward movement was detectable. The waterspout only lasted for about 4 minutes.								
<b>43 VERMONT</b>									
Johnson, Lamoille County	24	1030EST			0	0	?	0	Hail
	3/4 inch hail was reported.								
Rutland, Rutland County	24	1055EST			0	0	0	0	Hail
	1.75 inch hail was reported. Some power outages and frequent lightning strikes occurred.								
Morrisville, Lamoille County	24	1110EST			0	0	0	0	Hail
	Pea-size hail was reported as a front passed through the area.								
Island Pond, Essex County	24	1130EST			0	0	0	0	Hail
	One inch hail was reported as a front passed through the area. Scattered power outages occurred in the area.								
Montpelier, Washington County	24	1156EST			0	0	0	0	Hail
	1/2 inch hail was reported as a front passed through the area.								
<b>44 VIRGINIA</b>									
Statewide	05								Widespread thunderstorms broke out across the state along and south of a stationary front in the afternoon and evening of the 5th with damaging winds, hail, lightning and heavy downpours. Details follow:
Henrico County		1405EST			0	0			Hail
	7/8 inch hail fell.								
Hanover County		1430-1530 EST			0	0	4	0	Wind
	High winds blew several windows out of Kings Dominion amusement park. A school roof was damaged in the Mechanicsville area and numerous trees were downed. Winds estimated at 55 mph and above.								
Charles City County		1535-1635 EST			0	0	3	0	Wind, Lightning
	Lightning struck a police station, damaging equipment inside. Winds estimated above 55 mph, with trees downed across highways.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED* DAMAGE				CHARACTER OF STORM	
					KILLED	INURED	PROPERTY	CROPS	KILLED	INURED	PROPERTY	CROPS		
<b>— VIRGINIA</b>														
Louisa, Fluvanna County	1630-1730EST				0	0	2	3	Hail					
					Several locations reported hail from 1/2 inch to 3/4 inch, causing various amounts of crop damage.									
Lunenburg County	1730-1830EST				0	0	4	3	Lightning, Wind					
					Numerous trees down with winds estimated over 55 mph. 22 cattle were killed by lightning as they stood under a tree during the storm.									
Culpeper County	1630EST				1	1	2	0	Lightning					
					Two men were struck by lightning while cleaning paintbrushes under a tree during a thunderstorm.									
Buckingham and Prince Edward Counties	1745EST				0	0	4	0	Wind, Lightning					
					Strong thunderstorm winds above 55 mph downed many trees, blocking roads and power lines.									
Appomattox and Campbell Counties	1750EST				0	0	3	0	Wind					
					Strong thunderstorm winds downed trees and power lines.									
Dinwiddie County	1915EST				0	0	3	0	Wind, Lightning					
					Lightning set woods on fire while high winds downed power lines and numerous trees across roads.									
Chesterfield County	1730EST				0	?	4	0	Wind, Rain					
					Strong thunderstorm winds downed trees across Rt. 360 and numerous traffic accidents were caused by reduced visibility in heavy rain.									
Surry County	1650EST				0	0	3	3	Hail					
					An isolated thunderstorm produced large hail (3/4 inch) and hail damage, mainly to crops.									
Surry, Isle of Wight and Southampton Counties; and Cities of Suffolk, Chesapeake, Norfolk, Portsmouth, and Virginia Beach	1915-2100 EST				0	0	4	3	Wind					
					Line of strong thunderstorms moved west to east across southeast Virginia along a 50 mile path, with spotty tree and power line damage. Some structural damage occurred to outbuildings and some dwellings. Specific events were as follows: 1915-1920EST - Wind damage southwest and east of Surry Court House. 1930-1935EST - Wind damage in Isle of Wight. 2000EST - Trees downed in Suffolk. 2005-2040EST - Large limbs downed in Norfolk and Virginia Beach. A wind gust of 60 knots occurred at the South Island, Chesapeake Bay Bridge Tunnel.									
Pittsylvania County	04 1600-1730EST				0	0	4	4	Wind, Hail					
					An isolated thunderstorm moved across Chatham with winds estimated at 70-80 mph and hail to golf ball size. Hail covered the ground in several places, with widespread crop damage. Numerous trees were blown down and power outages were widespread across the county.									
Chesapeake Bay	11 0213EST				1	0	4	0	Lightning					
					Lightning struck a tractor trailer near the South Island on the Chesapeake Bay Bridge Tunnel, causing the driver to lose control and plunge into the bay.									
Buckingham County	14 1600EST				0	0	5	0	Lightning					
					Lightning struck and set fire to an historic cottage in Buckingham, completely destroying the 150 year old building, including many historical artifacts.									
Amelia and Nottaway Counties	1610-16 1715EST				0	0	3	0	Wind					
					Thunderstorm winds of over 55 mph downed trees and power lines.									
Caroline County	24 2015EST				0	0	3	3	Wind, Hail					
					An isolated thunderstorm with strong winds and hail of golf ball proportions, along with heavy downpours, caused tree and crop damage.									
Carroll County	23 1830-1840EST				0	0	4	0	Lightning					
					Lightning struck three houses in the Hillsville area, causing fires and structural damage.									
<b>— VIRGINIA</b>														
Loudoun, Fairfax and Arlington Counties	25 1530-1630EST				0	0	6	4	Hail, Wind					
					A thunderstorm moved SE from eastern Loudoun County through Fairfax and Arlington Counties with very large hail and damaging winds. Hail of 1-2 inches was reported from eastern Loudoun County near Leesburg at 1530EST, and moved through the area with many hail reports of 3/4 inch to 2 inches. Wind gusts of up to 45 mph were reported downing large tree limbs in Arlington County. Most of the damage was to automobiles, with over 200 new cars damaged at one dealership. At least 1000 other cars were damaged, with insurance estimates of about \$1000 per car. A greenhouse belonging to a college was completely destroyed along with the plants inside. Much additional damage occurred to houses with aluminum siding, skylights and roofs.									
<b>45 WASHINGTON — NONE REPORTED</b>														
<b>46 WEST VIRGINIA</b>														
Jackson County	10 0515EST				0	0	5	5	Heavy Rain					
					Isolated, very heavy rain in amounts up to 5.25 inches fell, mostly within a 30 minute period. Extensive flood damage was reported.									
Logan County	10 AM				0	0	?	?	Hail					
					One and one half inch diameter hail was reported near Holden during the early morning hours. Minor damage occurred to numerous houses and automobiles. Some electrical outages were reported in the Chapmanville area.									
<b>47 WISCONSIN</b>														
La Crosse County	07 1545CST				0	0	4	0	Thunderstorm Winds					
					Thunderstorm winds gusting to 78 mph damaged 2 small aircraft at the La Crosse municipal airport.									
Brown County	07 1920-1945 CST				0	0	?	?	Thunderstorm Winds, Hail					
					A severe thunderstorm dropped 3/4 inch hail and blew down a 1 foot diameter tree in the west section of the city of Green Bay. 3/4 inch hail also was reported at De Pere.									
					In the afternoon hours of June 8th, a thunderstorm complex began to develop in extreme northwest Wisconsin. It then organized and plowed southeast through roughly the northern third of the state. Three large storms within the complex were responsible for much of the severe weather on this day. Two of them spawned tornadoes. Widespread property, timber, and crop losses resulted, with most of the damage occurring in Price, Oneida, and Door Counties. Damage estimated for the 3 counties totaled almost \$9.95 million: \$5.85 million property, \$2.4 million agricultural (\$2 million in Door County alone), and \$1.6 million in timber. An estimated 325 homes, 25 businesses, and numerous farm buildings were heavily damaged or destroyed.									
Washburn County	08 1630CST				0	0	0	?	Hail					
					Golfball size hail fell from a thunderstorm 11NW of Hayward.									
Bayfield and Iron Counties	08 1640-1700 CST				0	0	4	?	Thunderstorm Winds, Hail					
					A severe thunderstorm produced golf ball size hail at Washburn in Bayfield County, then at Hurley in Iron County. Winds also knocked down several large trees and tore part of the roof off a school.									
Sawyer County	08 1700-1730 CST				0	0	4	?	Thunderstorm Winds, Hail					
					A severe thunderstorm pelted Seeley with hail up to 3/4 inches in diameter. The hail covered the ground and damaged many cars. Winds also felled several trees and tossed some boats around in Hayward.									
Oneida County	08 1705CST				0	0	0	0	Thunderstorm Winds					
					A severe thunderstorm knocked down several large trees in the Rhinelander area.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1985

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

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

**WISCONSIN**

Vilas County 08 1742-1825 CST 0 0 6 ? Thunderstorm Winds, Hail, Funnel Clouds

Thunderstorm downburst winds caused an estimated \$1.25 million property damage and dropped 3/4 inch hail in the Presque Isle, Land O Lakes, and Boulder Junction areas. Numerous trees were knocked down; one falling on a mobile home, another on a cottage. Other cottages and boats were also damaged along with many power lines. 3 funnel clouds were sighted, but remained aloft.

Price and Oneida Counties 08 1815-2015 CST 68 2640 2 42 7 6 Tornado F3, Hail

A severe thunderstorm spawned a killer tornado and dropped large hail (up to 3-6 inches in diameter in some places) as it rolled through these counties, causing widespread property, crop, and timber damage. The tornado skipped through a path from Park Falls to about 15 miles southeast of Rhinelander. It first touched down 1W of Park Falls and moved through the southern portion of the city. 125 buildings were damaged, and 12 houses and businesses were heavily damaged or destroyed. 26 people received mostly minor injuries. It then continued southeast, destroying 7 homes and damaging 34 others at Wintergreen Lake. The tornado then cut an 18 mile long, 1 1/2 mile wide swath through eastern Price County and the township of Minocqua in Oneida County. 2 people were killed and 16 injured at Swamsauger Lake and Cedar Falls resort in the Willow Reservoir area. A man apparently drowned when the tornado lifted him and his house and deposited it into Swamsauger Lake, and a woman was killed when a tree crashed through a vehicle in which she was seeking refuge. Some of the resort buildings were damaged and 38 recreational and other vehicles were heavily damaged or destroyed. The tornado then slashed through more acres of timber, blocking some roads with debris along the way. It brushed across the southwest portion of Rhinelander and dissipated just southeast of Monico. A total of 47 residences were heavily damaged or destroyed and 43 more received at least some damage in Oneida County alone. Total damage estimates for both counties was nearly \$6 million. 9900 acres of timber and cranberry bogs were lost in Oneida County and about 10,000 acres in Price County.

Marinette County 08 1915-1945 CST 0 0 7 6 Thunderstorm Winds, Hail, Funnel Clouds

A severe thunderstorm produced golfball to baseball size hail from Crivitz to Peshtigo to Marinette, denting many cars and breaking windshields. Downburst winds up to 80 mph tore roof sections and siding off buildings and caused widespread power outages. Many trees were uprooted, a couple falling on cottages. A few silos were also knocked down. Total damage estimates exceeded \$7 million. Funnel clouds were sighted 12W of Crivitz and 10W of Peshtigo, but did not touchdown.

Door County 08 2000-2030 CST 5 150 0 0 6 6 Tornado F2, Hail

A tornado touched down briefly near Sand Bay, causing some building damage. It then skipped east across portions of Sturgeon Bay. Garages, sheds and 10 barns were leveled or blown away. \$1.8 million property damage was inflicted on homes, businesses, farm buildings, and utilities. Yachts were blown off cradles, and hundreds of trees felled. Hail up to 5 inches in diameter covered the ground to a depth of 6 inches just northeast of Sturgeon Bay. The storm caused an estimated \$1.5 million crop damage, with \$750,000 in damage to the county's cherry crop.

Forest and Oconto Counties 08 2020-2110 CST 0 0 ? ? Thunderstorm Winds

Intense thunderstorm winds knocked down and uprooted many trees from Crandon and Wabeno in Forest County to Oconto in Oconto County.

Iowa County 15 1415CST 0 0 0 ? Hail

A severe thunderstorm produced 3/4 inch hail at Blue Mounds State Park.

Washburn County 16 1855-1925 CST 5 100 0 0 2 ? Tornado F1

A small tornado touched down in a heavily wooded area 12N of Spooner and skipped eastward to 4N of Trego. It downed several trees and took shingles off a roof, as well as flipping over a boat.

Walworth County 21 0215CST 0 0 4 0 Lightning

Lightning struck a gas meter, starting a fire which caused an estimated \$25,000 damage to the attached home in Allens Grove.

**WISCONSIN**

Dane County 21 1240-1330 CST 0 0 0 ? Hail

Thunderstorm dropped 3/4 to 1 inch diameter hail on Monona and at Stoughton.

Dane County 21 2000CST 0 0 4 0 Thunderstorm Winds

Strong thunderstorm winds destroyed or severely damaged 5 sheds and a silo between Maunakee and DeForest. Also, a tree fell on a house, and a roof was torn off a corn crib and blown onto another house, causing more roof damage.

Juneau County 27 1140-1240 CST 0 0 0 ? Thunderstorm Winds

Thunderstorm winds gusting to 60 mph blew down trees and power lines from Monewoc to Mauston to Necedah.

Ashland County 27 1322CST 0 0 0 0 Thunderstorm Winds

Thunderstorm wind gusts to 60 mph were reported on Madeline Island in the Apostle Island chain, just off the northwest tip of Wisconsin.

**48 WYOMING**

Albany County 09 1758MST 0 0 0 0 Funnel Cloud

Confirmed funnel cloud formed briefly southwest of Laramie.

Johnson County 19 Unknown 0 0 ? ? High Wind

Ranch west of Kaycee received extensive wind damage to trees. Minor hail damage occurred. No one was home at time of damage.

Hot Springs County 20 Afternoon ? 50 0 0 4 0 Tornado (F1)

A "twisting black cloud" ripped the roof off a trailer north of Thermopolis. The tornado approached from the west and lasted 3 to 4 minutes.

Yellowstone National Park 20 1945MST 0 0 0 0 High Wind

Wind gusts estimated to 50 mph toppled trees in the Tower Falls area of the park.

Shoshoni, Fremont County 20 Unknown 0 0 2 ? High Wind

High winds buffeted Shoshoni, damaging trees. Other minor damage was also reported.

Rawlins, Carbon County 23 Unknown 0 0 4 ? High Wind

Wind gusts to 52 mph at Rawlins tore the roof off a trailer, demolished a metal storage shed, and did minor tree damages.

Worland, Washakie County 23 1300MST 0 0 3 0 High Wind

Wind gust at Worland picked up metal utility shed, carried it through a fence, and finally slammed it into a pickup truck.

Ryan Park, Carbon County 27 Night 0 0 3 0 High Wind

Wind gust overturned recreational trailer at Ryan Park, and damaged two others. The wind lasted no more than a minute.

Worland, Washakie County 29 Afternoon 0 0 4 0 High Wind

Large cement block building was caved-in by high winds at Worland. Several other buildings were damaged in Washakie County.

Laramie, Albany County 29 1722MST 0 0 ? ? High Wind

Wind gust to 58 mph was clocked at Laramie airport.

49 ALASKA, Northern ————— NO REPORT RECEIVED

49 ALASKA, Southern ————— NO REPORT RECEIVED

49 ALASKA, Southeastern ————— NONE REPORTED

50 HAWAII ————— NONE REPORTED

51 PUERTO RICO ————— NONE REPORTED

52 VIRGIN ISLANDS ————— NONE REPORTED

53 PACIFIC ————— NONE REPORTED

STORM SUMMARY

JUNE 1985

STATE	TORNADOES					HAILSTORMS				WINDSTORMS				LIGHTNING			FLOODING				HEAVY SNOWSTORMS AND BLIZZARDS				ICE STORMS				ALL OTHER				
	NUMBER	DAYS	DEATHS	INJURIES	DAMAGE	DEATHS	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		
							PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS	PROP. ERTY
Alabama	1	1			4		?	?			5	1	4																	5	22	6	°/c
Arizona																																	
Arkansas							3	4			4	1	5																				
California																																	
Colorado	9	5			4		5	5	2		4					3																	
Connecticut	1	1			6						3		5																				
Delaware																																	
Florida	2	2			5						5		1	4																			
Georgia	2	2			5		5	6			6	6	3	5													6				7		
Idaho										1	4																						
Illinois	2	2			3		?	5		1	5	?				3																	
Indiana	1	1			4		3	3			3					4																	
Iowa	8	4		1	5		3	6			5	5	3	1	4	4																	
Kansas	1	1			5		5	6		6	6	5	5		5	5																	
Kentucky	3	3			6		3	2			6	5	2	1	4																		
Louisiana							?	?		1	5	?		4	?	3	?																
Maine							?	?			5	°/c		4																			
Maryland & DC							1	4			5	?	1	4	5																		
Massachusetts							3	6	?		5	?																					
Michigan	3	1	1		5						5		1	1	2																		
Minnesota	6	3			?		5	6			?	?																					
Mississippi	1	1			5		?	?			7	?		4													1	11	?		6		
Missouri	3	2			6		5	?			5	3																					
Montana							3	5		1	5	4																					
Nebraska	4	2			5		7	6			7	5		5		4	3																
Nevada							?				4	3																					
New Hampshire							4	°/c																									
New Jersey							2				3			5																			
New Mexico	1	1			4																												
New York							1	6	°/c	1	?			4																		6	°/c
North Carolina	1	1			5		7	6		4	7	5	3	?		?	?																
North Dakota	9	2			5		6	°/c			6	°/c		4																			
Ohio	2	1		2	5		4	5			5		1																				
Oklahoma	5	3			5		6	?		2	5	?		6	?	4																	
Oregon																																	
Pennsylvania	7	4			6		1	6	?		5		55	6	?																		
Rhode Island													1																				
South Carolina	2	2		4	5		6	6			5	5	1	5																			
South Dakota							?	?			4	?		?																			
South Dakota							?	?			4	?		?																			
Tennessee	1	1			4		5	4		1	5	4	1	1	5	1																	
Texas	5	5					?	?		1	5	?		4		4	?																
Utah							?				3																						
Vermont							?				?																						
Virginia							6	4			5	3	2	1	5																		
Washington																																	
West Virginia							?	?																									
Wisconsin	3	2	2	42	7		6	6			6	6		4	?																		
Wyoming	1	1			4						4	?																					
Alaska																																	
Hawaii																																	
Pacific																																	
Puerto Rico																																	
Virgin Islands																																	

## REFERENCE NOTES

† Storm damage categories are from

1 to 9 as follows:

- 1 Less than \$50
- 2 \$50 to \$500
- 3 \$500 to \$5,000
- 4 \$5,000 to \$50,000
- 5 \$50,000 to \$500,000
- 6 \$500,000 to \$5 Million
- 7 \$5 Million to \$50 Million
- 8 \$50 Million to \$500 Million
- 9 \$500 Million to \$5 Billion

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

## Definition of Fujita Tornado Scale (F scale)

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

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

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

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

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

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

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

---

(F0+F1) Weak Tornado

(F2+F3) Strong Tornado

(F4+F5) Violent Tornado

---



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

USCOMM-NOAA-ASHEVILLE, NC 1985-2300

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

**BULK RATE  
POSTAGE & FEES PAID**  
United States Department Of Commerce  
NOAA Permit No. G - 19