

# STORM DATA

WITH ADDITIONAL TABLES FOR THE 1986 NATIONAL SUMMARY OF LIGHTNING



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## C O N T E N T S

Cover: A car stands idle as its driver contemplates an attempt to drive across the flooded Schumacher Crossing along the Guadalupe River between Hunt and Ingram in south-central Texas. The time is 1400CST on June 3rd. The episode is only a small sample of the flooding that occurred in South Texas during the last week of May and first two weeks of June (see HEAVY RAINS and FLOODING in OKLAHOMA and TEXAS during May and June, 1987; pages 6 through 15). Wisely, the driver of the car made a U-turn. The metal and concrete picnic shelters in the photo were later torn apart by flooding on July 17, 1987. ---Photo by Susan M. Sander, The Kerrville Daily Times.

	<u>Page</u>
Outstanding Storms of the Month.....	3
Storm Data and Unusual Weather Phenomena.....	26
Storm Summary.....	77
Reference Notes and "F" Scale Definitions.....	79
Annual Summary of Lightning Tables - 1986.....	80

NOTE: IN THE MAY 1987 EDITION, PAGES 47 AND 48 ARE REVERSED.

### STORM DATA (ISSN 0039-1972)

The section on Outstanding Storms of the Month is prepared by Professor T. Theodore Fujita, editor, and Duane J. Stiegler, associate editor, the University of Chicago, with funding by the U. S. Office of Naval Research. The Storm Data and Unusual Weather Phenomena narratives, and summaries of Hurricanes/Tropical Storms are prepared by the National Weather Service. The National Climatic Data Center compiles statistics on deaths, injuries, damage and prepares the annual summaries of tornadoes and Lightning. 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. Maps of zones used in the Storm Data and Unusual Weather Phenomena will be published in all editions.

Storm Data is published monthly by the National Climatic Data Center.

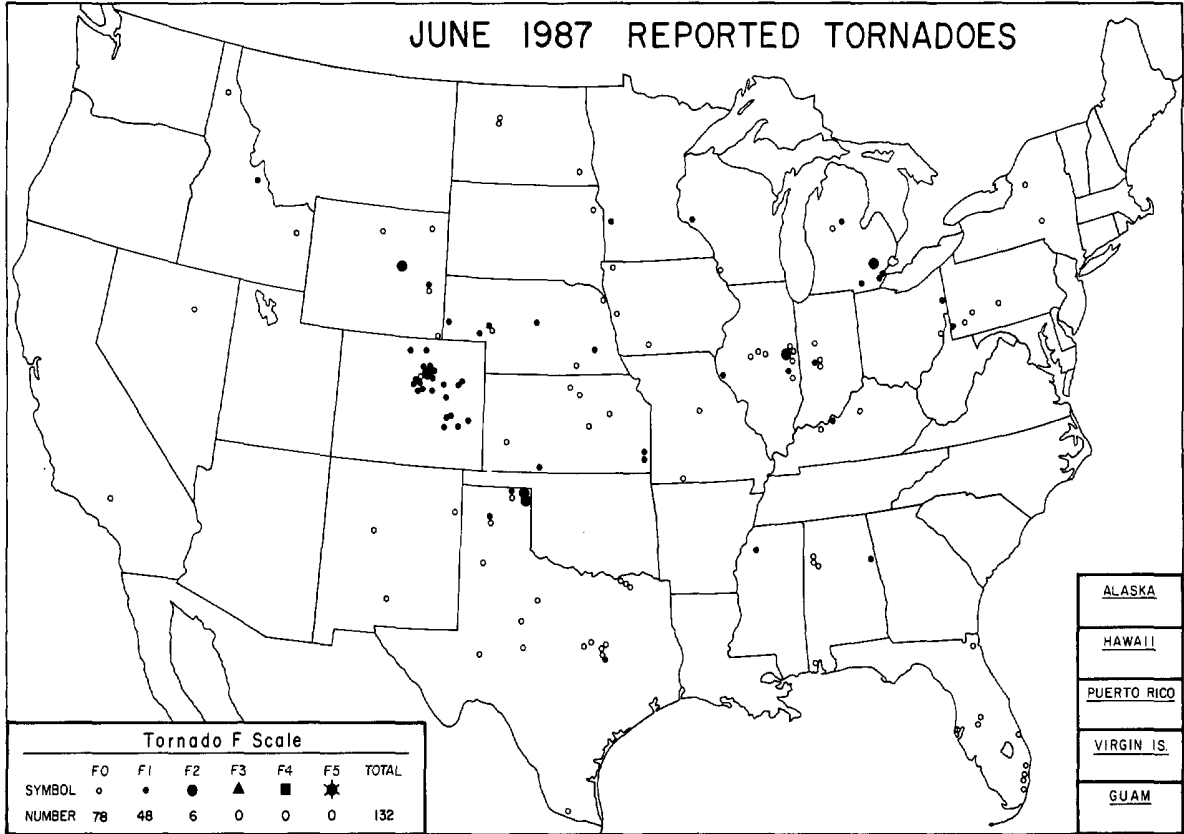
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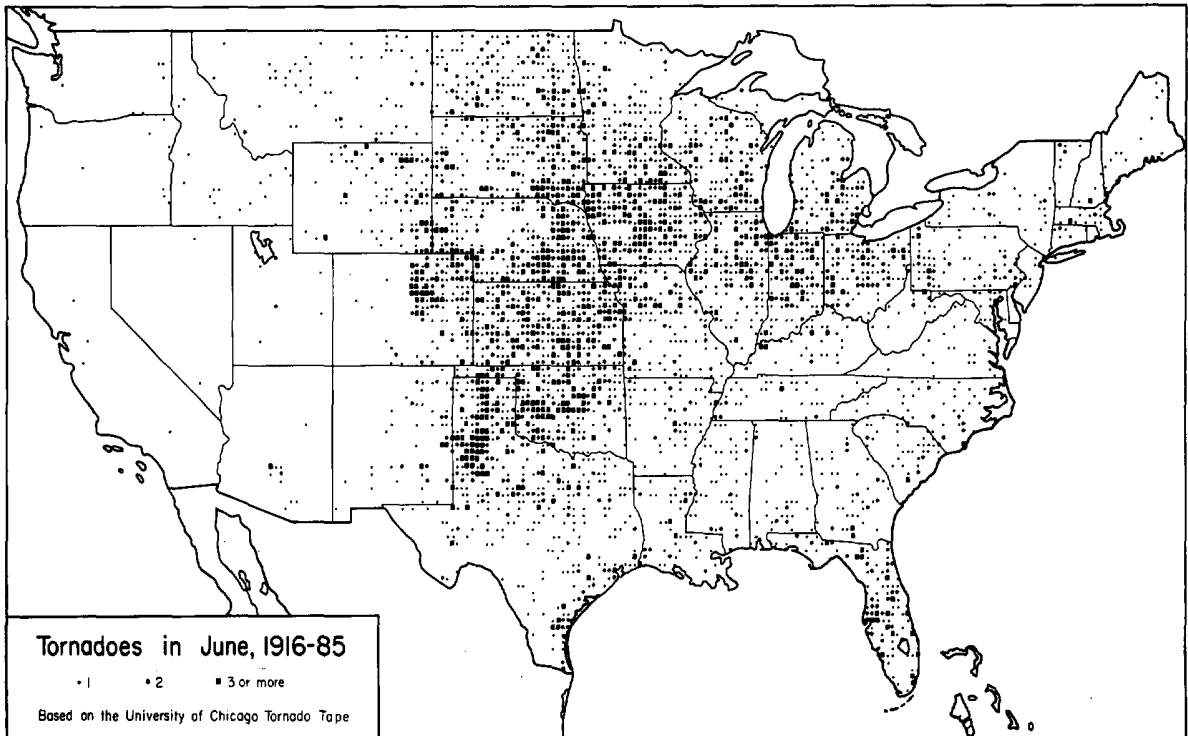
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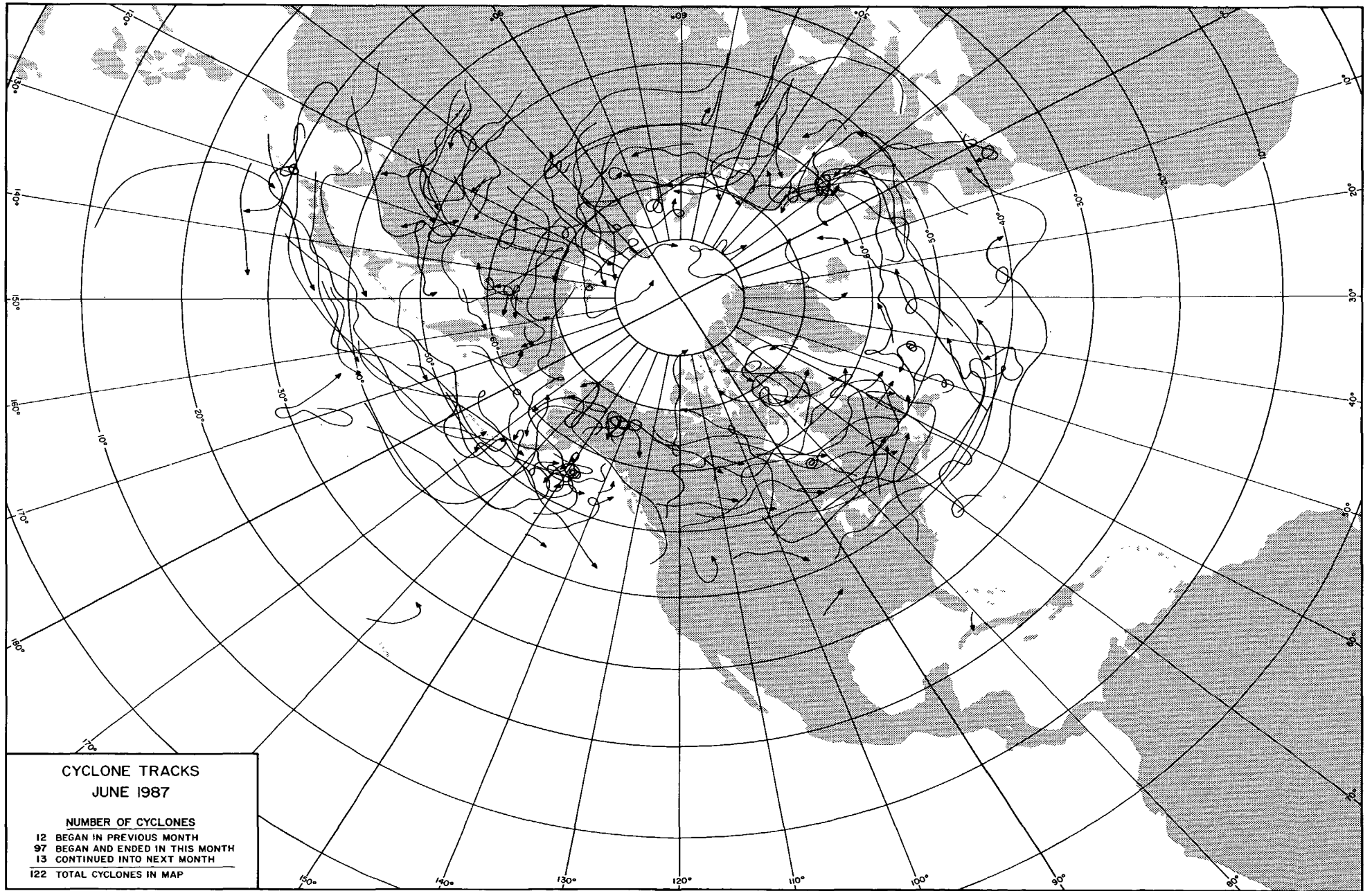
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# OUTSTANDING STORMS OF THE MONTH



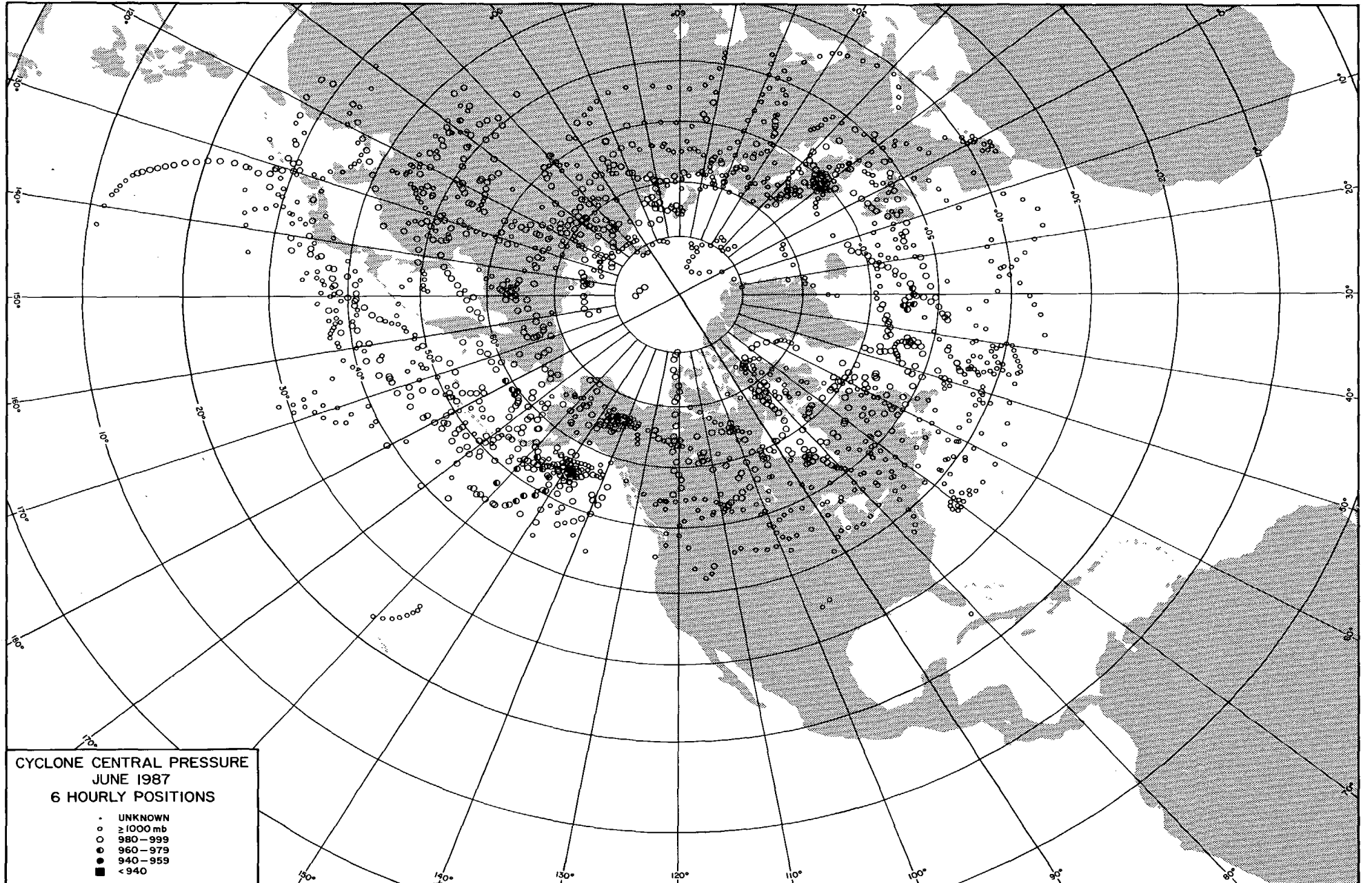
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⊙ PRELIMINARY REPORT RECEIVED	● 2AZ	● 8FL	● 15KY	● 22MS	● 29NH	● 34OK	● 40TN	● 45WA	● 50HI
○ REPORT NOT RECEIVED	● 3AR	● 9GA	● 16LA	● 23MO	● 30NY(O)	● 35OR	● 41TX(N)	● 46WV	● 51PR
(N) northern (W) western	● 4CA(N)	● 10ID	● 17ME	● 24MT	● 30NY(C)	● 36PA(E)	● 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)	





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Mapped at the University of Chicago from NMC, 6-hourly surface maps

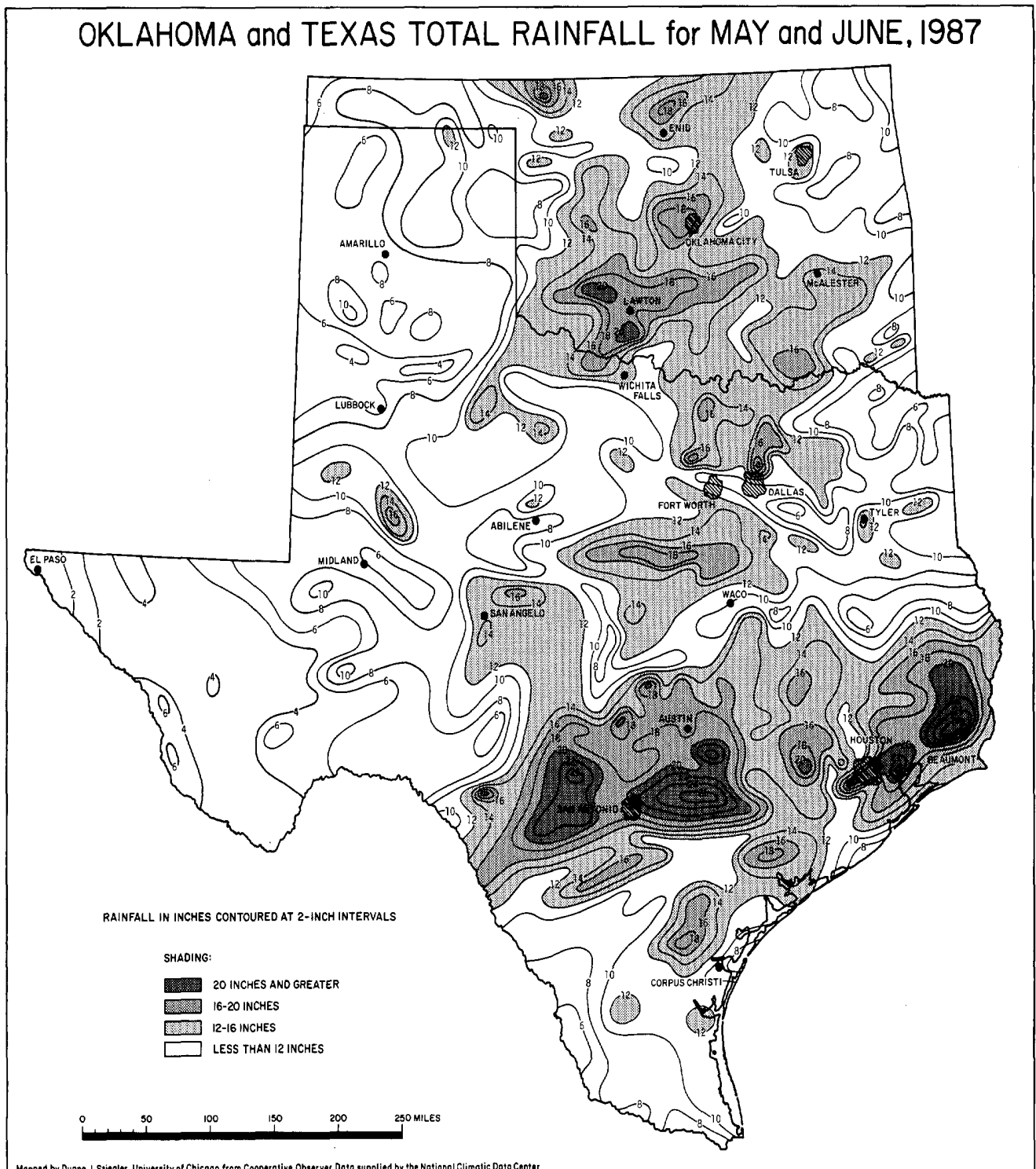


Missing data: Eurasian continent area only, 06 GMT, June 1 through 06 GMT, June 3

Mapped at the University of Chicago from NMC, 6-hourly surface maps

1. HEAVY RAINS and FLOODING in OKLAHOMA and TEXAS during May and June, 1987

As evidenced by the map below, May and June of 1987 was undoubtedly one of the rainiest periods ever experienced in the South-Central United States. Most of the rainfall shown occurred during a four week period, the last two weeks of May and first two weeks of June, as recurrent thunderstorms plagued the area. Naturally, extensive flooding and flash flooding resulted. Areas hardest hit by flooding included central Oklahoma during the period of May 27th through 31st and portions of northern Texas from June 1st through 15th, but the brunt of the flooding occurred in southern Texas where the only area not to experience a severe flood was lower South Texas (for details see individual state and region reports in the Storm Data and Unusual Weather Phenomena section of both the May and June 1987 issues).



Isohyet analysis of two-month (May and June, 1987) total rainfall in Oklahoma and Texas based on 719 Cooperative Observer reports. ---Map by U of C; data from NCDC.

**HEAVY RAINS and FLOODING in OKLAHOMA and TEXAS ---- continued**

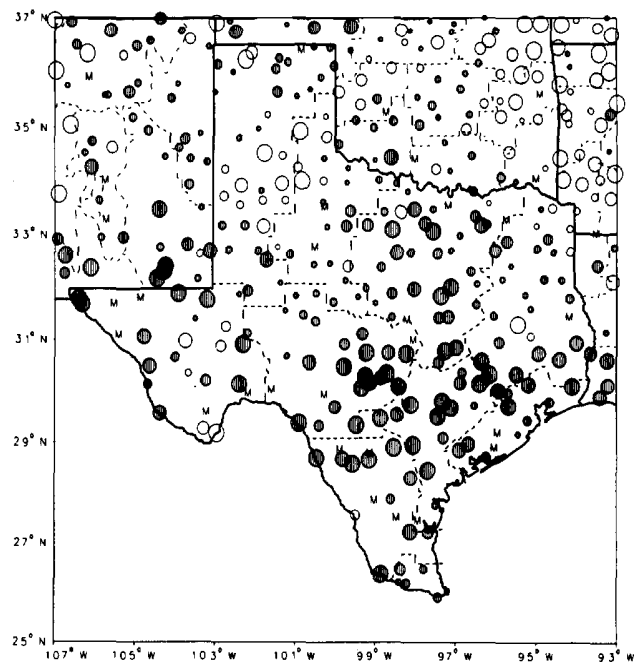
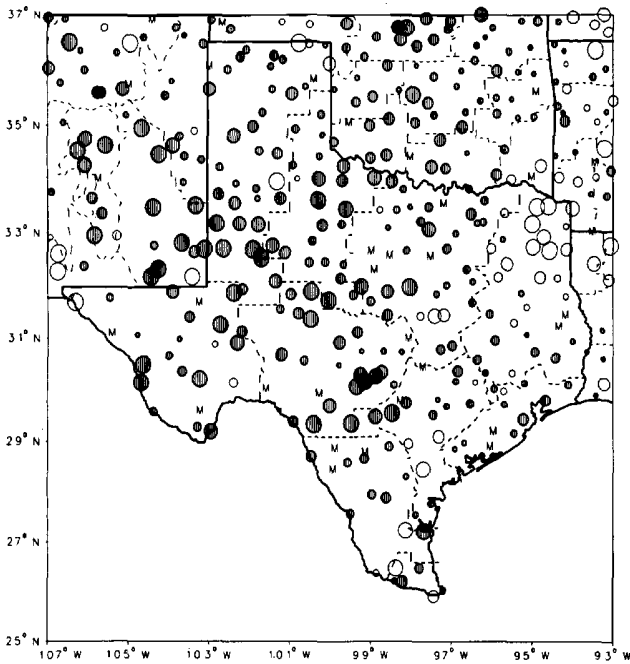
MONTHLY PRECIPITATION DEPARTURE FROM INDIVIDUAL STATION NORMALS (1951-1980)

CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

- M INCOMPLETE DATA FOR THE MONTH
- EXACTLY NORMAL
- 5, 10, 20, ... 50% OR MORE BELOW NORMAL
- 10, 20, 40, ... 100% OR MORE ABOVE NORMAL

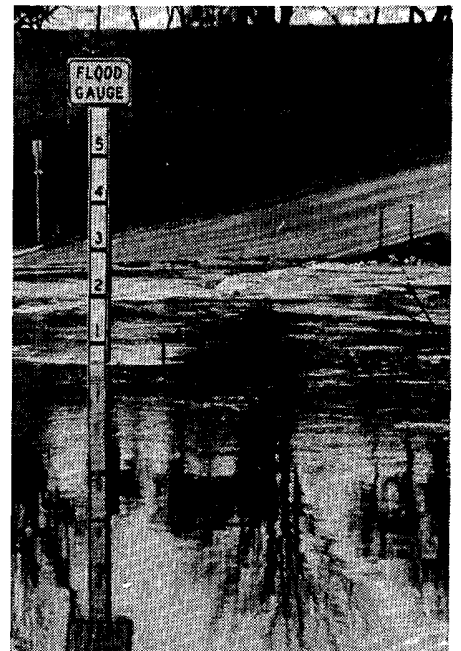
**MAY 1987**

**JUNE 1987**



Plots indicating May 1987 (left) and June 1987 (right) precipitation departures from the monthly normals for individual stations in Oklahoma and Texas. ---Figures from Climatological Data, The National Climatic Data Center, Asheville, North Carolina.

The following pictures on pages 7 through 15 depict the flooding and flash flooding that occurred on or near the Guadalupe River in South Texas. Areas within the river's basin were largely among the hardest hit by the flooding, especially in the Hill Country just to the north of San Antonio.



On May 29th, westbound traffic crosses over into the eastbound lane of Texas Highway 27 between Center Point and Comfort to avoid ponded water on the road. The location is about 12 miles southeast of Kerrville.

A flood gauge indicates the water level over the roadway at a low water crossing in Center Point on June 4th.

---Both photos by Susan M. Sander, The Kerrville Daily Times.

HEAVY RAINS and FLOODING in OKLAHOMA and TEXAS ---- continued



Waters of the swollen Guadalupe River pour over the spillway at Lion's Park in Center Point on May 29th, submerging the low water crossing in the process. ---Photo by Susan M. Sander, The Kerrville Daily Times.



The Guadalupe River at Louise Hays Park in downtown Kerrville is seen again with its floodwaters rushing over a spillway, this time on June 4th. The trees out amid the waters mark the normal bank location. ---Photo by R. Michael Jenkins, The Kerrville Daily Times.



HEAVY RAINS and FLOODING in OKLAHOMA and TEXAS ---- continued



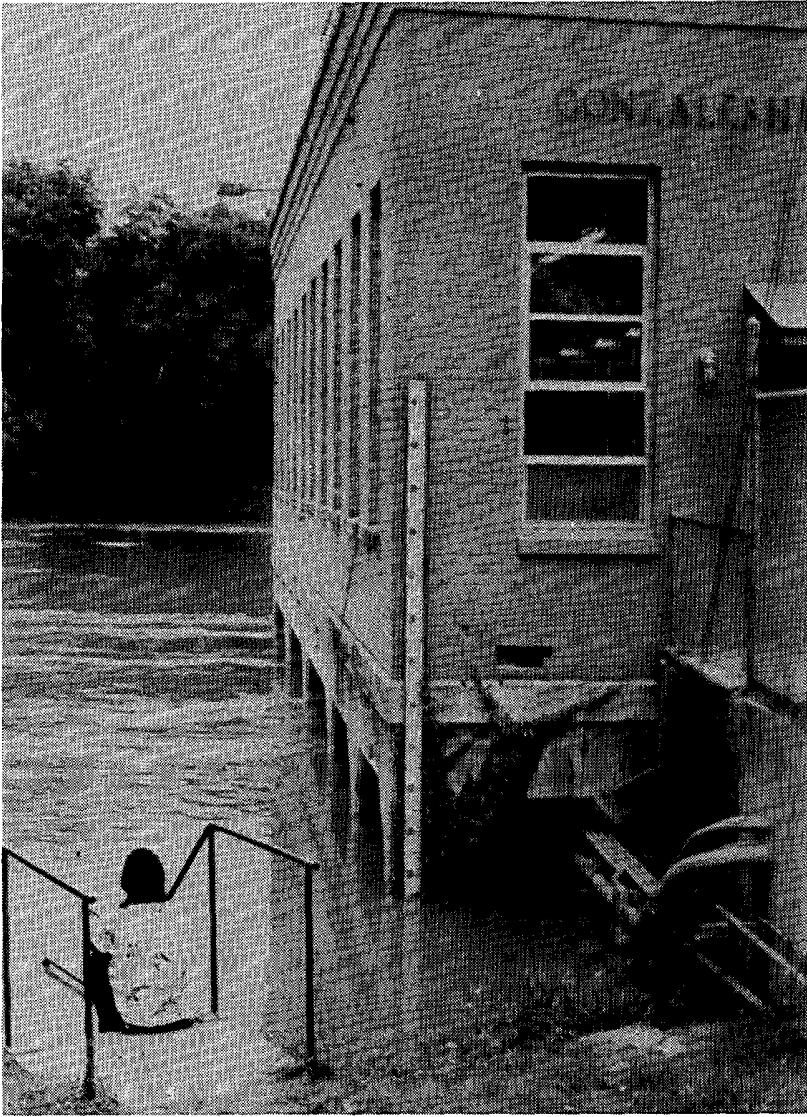
A flooded low water crossing on June 4th at Goat Creek Road and Goat Creek between Kerrville and Ingram. Goat Creek flows into the Guadalupe River.



Waters of the Guadalupe River lap at the bottom of the Lemos Street Bridge in Kerrville on June 4th. Subsequent flooding on July 17, 1987 lifted a section of the bridge and piled it against the large Cypress tree at left.

---Both above photos by Susan M. Sander, The Kerrville Daily Times.

HEAVY RAINS and FLOODING in OKLAHOMA and TEXAS ---- continued

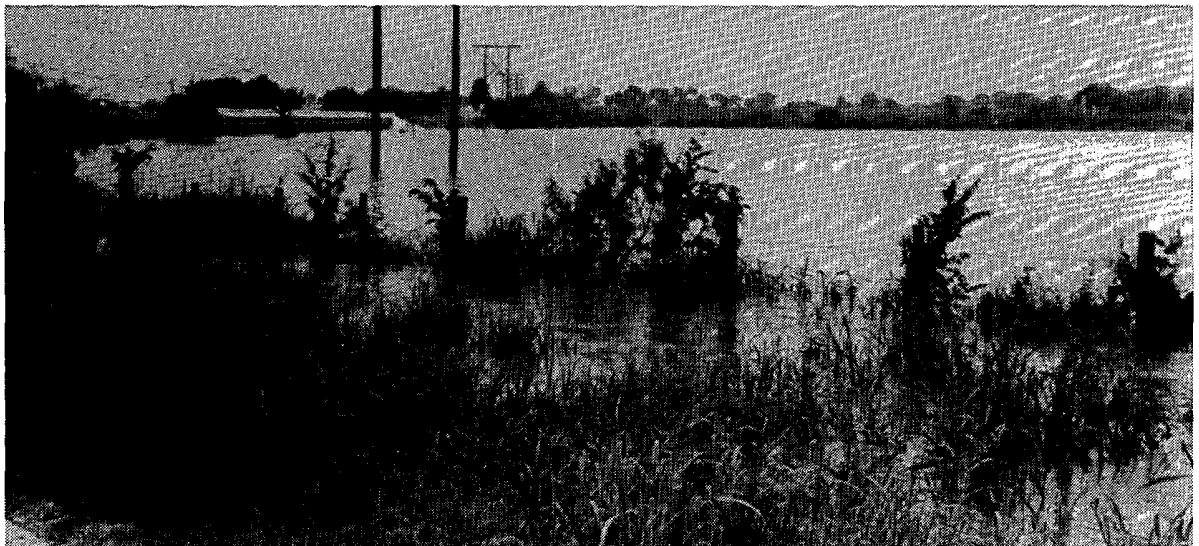


LEFT: Down the river from the Hill Country, the Guadalupe River shows a level of 29.5 feet at the Gonzales Hydro-electric dam on June 2, 1987. The river reached a height of about 33 feet when it crested at this location, about 3 blocks from the city.

BELOW: Equipment used for the construction of a bridge over Peach Creek in Gonzales County is engulfed by the creek's floodwaters on June 3rd. The flooding closed area Farm-to-Market Roads for several days, causing the equipment to become stranded. ---Both photos by John Cores, The Gonzales Inquirer.



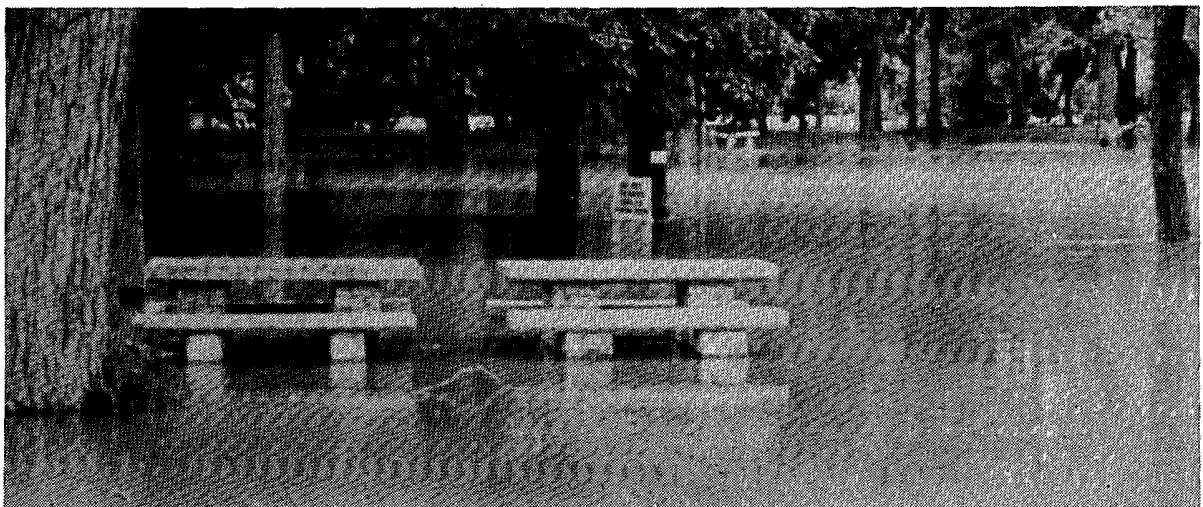
HEAVY RAINS and FLOODING in OKLAHOMA and TEXAS ---- continued



The Guadalupe River, well out of its banks, at U.S. Highway 87 south of Gonzales on June 4th. ---Photo by Mrs. Bradley F. Avant, The Gonzales Inquirer.

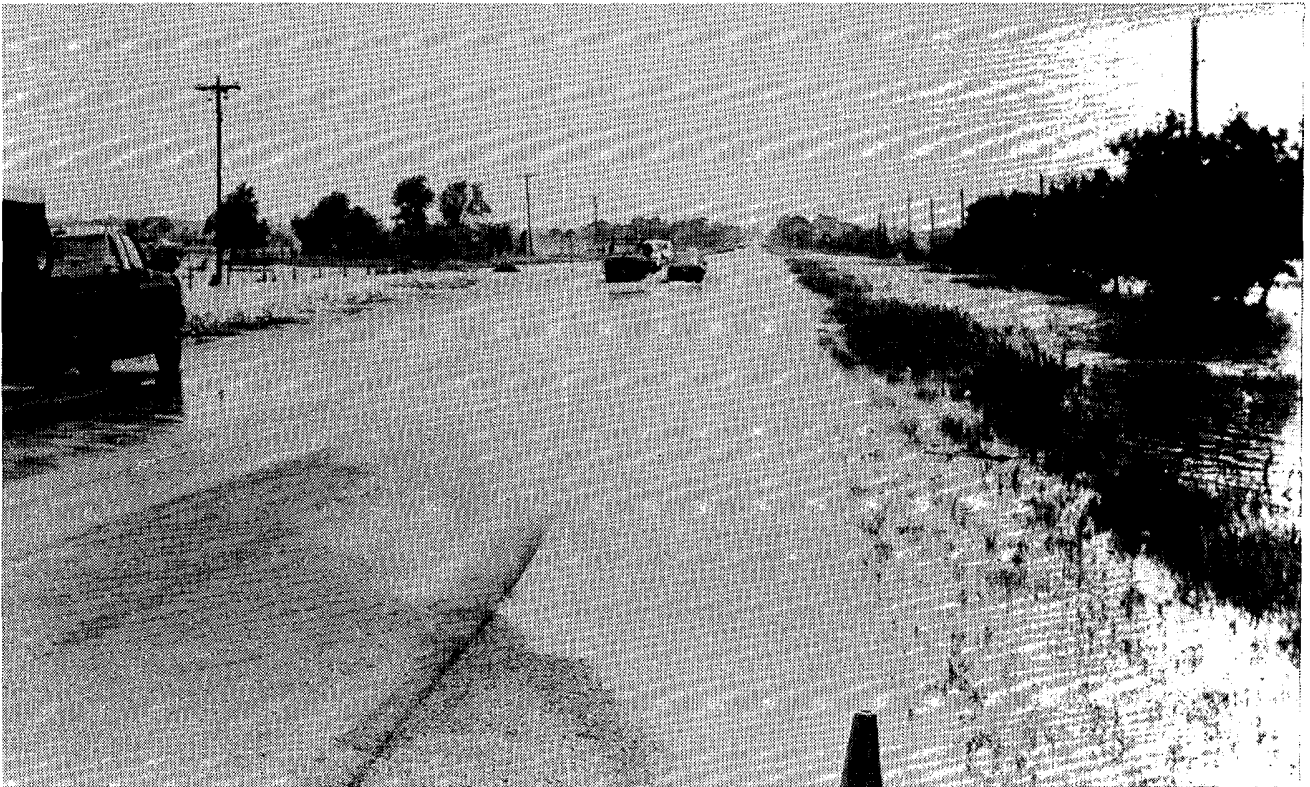


Fields along alternate U.S. Highway 90 just west of Gonzales are submerged under the overflow from the San Marcos River on June 4th. The San Marcos River enters the Guadalupe River about 1 mile downstream from this location. ---Photo by Bradley F. Avant, The Gonzales Inquirer.



Guadalupe River floodwaters engulf the picnic area at the Independence Park and Golf Course in the city of Gonzales on June 4th. ---Photo by John Cores, The Gonzales Inquirer.

HEAVY RAINS and FLOODING in OKLAHOMA and TEXAS ---- continued



Drivers navigate the waters covering Texas Highway 97 at Farm-to-Market Road 1116 about 3 miles south of Gonzales on June 4th. Water from the Guadalupe River ran two feet deep over the road at the Cross Timbers Bridge near the junction of the San Marcos and Guadalupe rivers.



Waters climb the supports of the Guadalupe River Bridge of U.S. Highway 183 south of Gonzales on June 4th. At Gonzales, 6.10 inches of rain fell in a 24-hour period ending at 0600CST on June 4th; 5.50 inches on the 3rd, and 5.02 inches on May 29-31.

---Both above photos by Bradley F. Avant, The Gonzales Inquirer.



An aerial view of the farmland flooding along the Guadalupe River near Hockheim between Gonzales and Victoria. U.S. Highway 183 is submerged in the foreground. ---Photo by Frank Tilley, The Victoria Advocate.



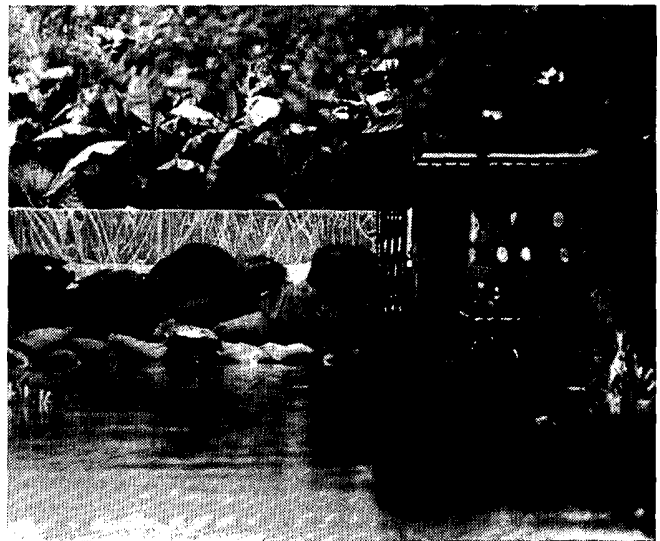
Tree-lined, but also water-filled, Fox Road in Victoria is left devoid of traffic. ---Photo by Stacey Weaver, The Victoria Advocate.



An overhead view of the Guadalupe River flooding near Nursery, about 10 miles northwest of Victoria.



As water climbed the pumps, it certainly was not business as usual at this gas station located along the Goliad Highway (US-59) in Victoria.



As a means to stem the damage from the flooding, sandbags guard the entrance to the Victoria Zoological Park.

---All above photos by Frank Tilley, The Victoria Advocate.



Victoria residents motorboat their way through town on Fordyce Road just off of Goliad Highway. ---Photo by Frank Tilley, The Victoria Advocate.

2. THUNDERSTORM WINDS in NORTH-CENTRAL KANSAS on June 27-28, 1987

During the late evening and early morning of June 27th and 28th, a line of severe thunderstorms formed over the Kansas-Nebraska border and raced southward through north-central Kansas and into the central part of the state within a period of slightly over two hours spread over midnight. The storms' outflow and rapid translation resulted in damaging winds estimated at 70 mph in most places, but which exceeded 100 mph in some locations. Significant damage occurred at Lake Waconda in Mitchell County where 16 people were injured as camping vehicles were tipped and damaged by the 100 mph winds. Nearby Beloit was also hard hit; several structures there failed under the wind load, including a gymnasium.



On the morning of the 28th, an elderly couple, assisted by their daughter, assess the damage to their camper which was tipped over by the 100 mph winds at Lake Waconda. The couple was trapped in the vehicle for an hour and a half before someone came, broke a window, and helped them to escape. They were thankful to have survived, as gasoline was leaking from the vehicle and sparks were jumping about from the electrical hookup.  
---Photo from the Beloit Daily Call; and supplied by Steve Schurr, NWSFO at Topeka, Kansas.

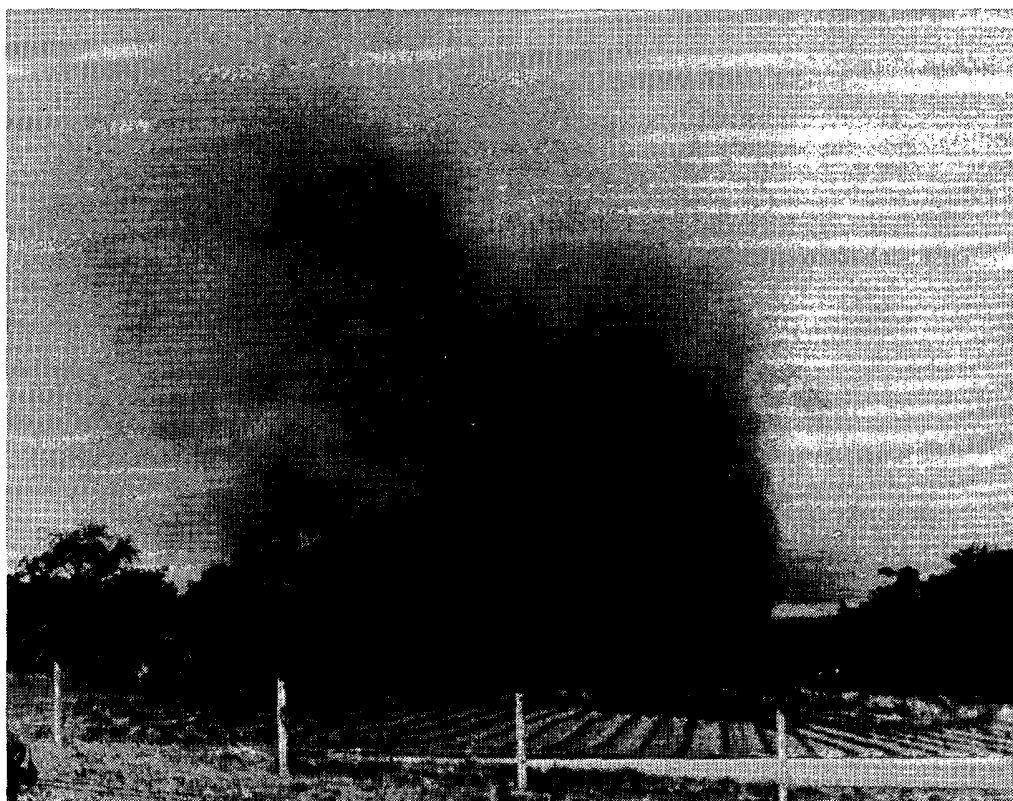
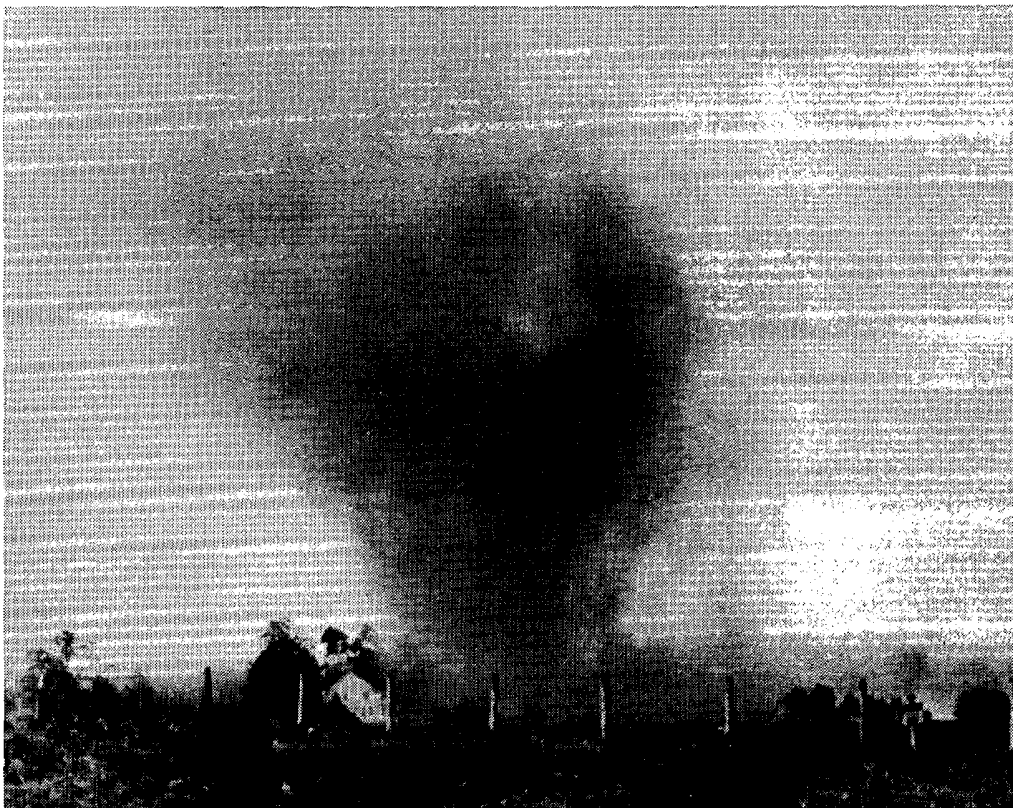


Northward (top) and eastward (bottom) views show the complete destruction incurred by the gymnasium at the North-Central Kansas Vocational Technical School at Beloit. The 99 x 78 foot structure was built about 8 years ago at a cost of \$900,000. The attached building is the Student Union which also sustained some damage. ---Both above photos from the Beloit Daily Call; and supplied by Steve Schurr, NWSFO at Topeka, Kansas.



### 3. TORNADO at PLAINVILLE, ILLINOIS on June 2, 1987

At 1340CST on June 2nd, a tornado touched down just south of Plainville, Illinois, crossed State Route 96, and passed through a farmstead, narrowly missing the farm house. The short-lived, F1 tornado traversed 1.5 miles in about 3 minutes without causing any major structural damage, but as seen below, the spectacular appearance of the dust-filled vortex was photographed from close range as it churned across a field. The farm house, seen in the top photo, sustained only minor damage. ---Both photos by Michael Harper, The Liberty Bee-Times; and supplied by Richard Koeneman, NWSFO at Chicago, Illinois.





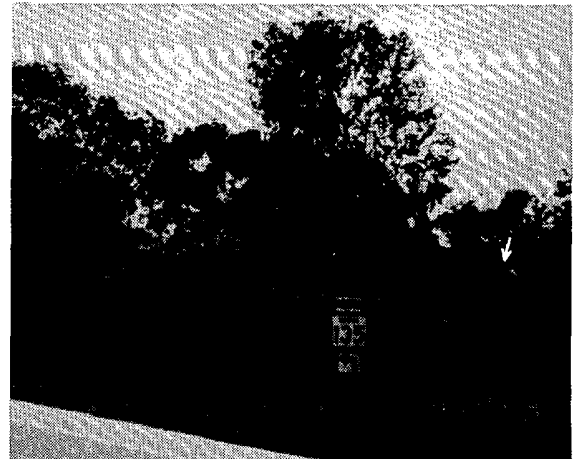
DOWNBURST at LOUISVILLE, KENTUCKY ---- continued



Some of the many large trees that were uprooted by the Louisville downburst of June 12th. At lower right, a forlorn basset hound seems to have lost his favorite. ---All damage photos for this event by Ernest H. Goetsch and Joseph D. Ammerman, NWSFO at Louisville, Kentucky.

5. MICROBURSTS near BLOOMINGTON, INDIANA on June 2, 1987

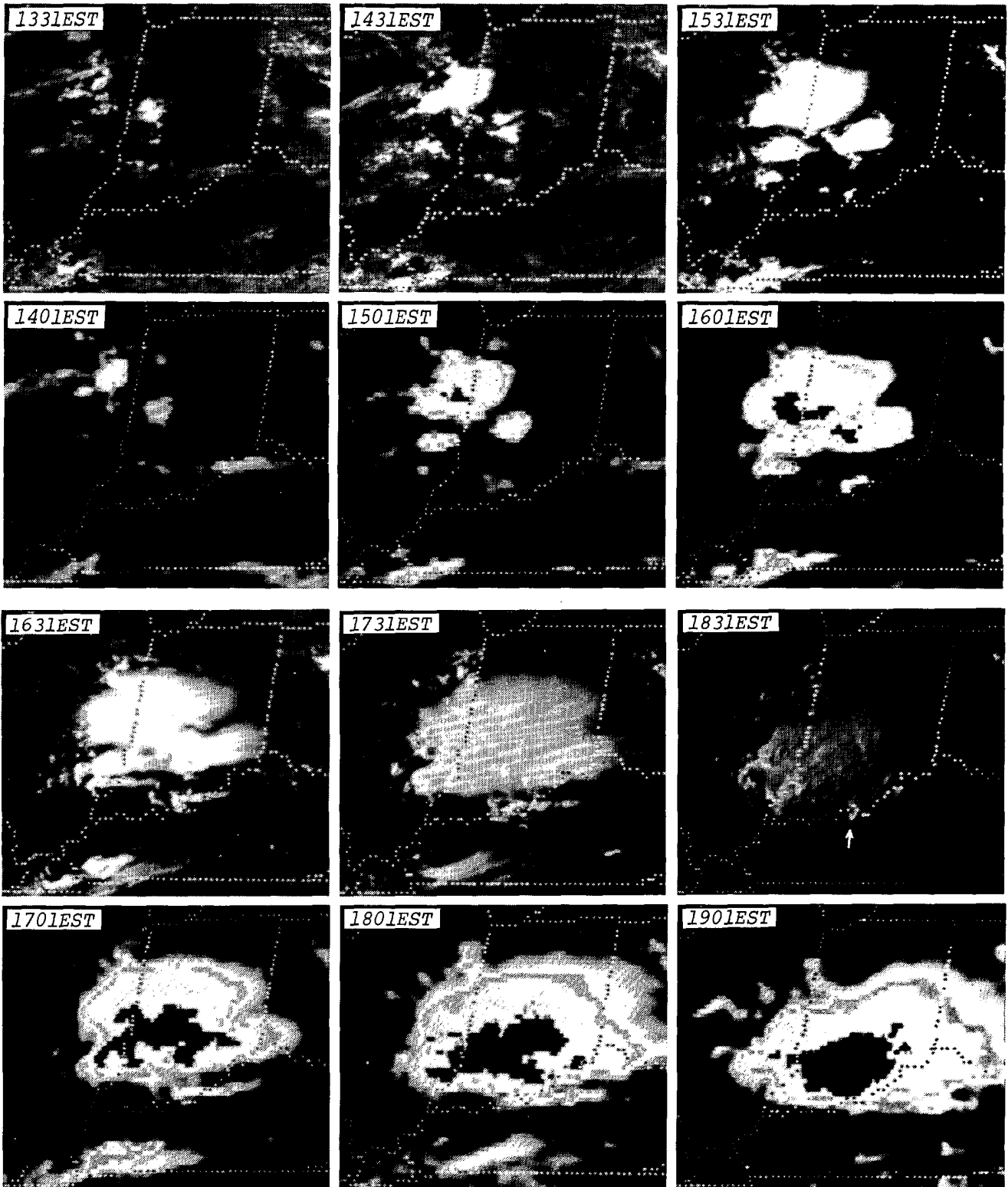
On the evening of June 2nd, strong thunderstorms in southern Indiana produced high winds across much of the region, including downbursts and microbursts in the vicinity of Bloomington. Below are examples of damage at two locations where winds were determined to have been from microbursts.



A few of about 30 trees that were uprooted or snapped 1 mile north of Harroldsburg at 2135EST. A 4-foot diameter pine tree (arrow) that severed a home near Stone Head. ---Both photos provided by Ron W. Przybylinski, NWSFO at Indianapolis, Indiana.

6. SEVERE THUNDERSTORMS in ILLINOIS, INDIANA, and KENTUCKY on June 13, 1987

During the afternoon and evening of June 13th, thunderstorms that popped up and intensified over east-central Illinois, central and southern Indiana, and a small portion of north-central Kentucky produced a variety of damaging winds over the same areas. Following are featured events — microbursts in southern Indiana and a tornado at Midway, Kentucky — that were associated with these storms.

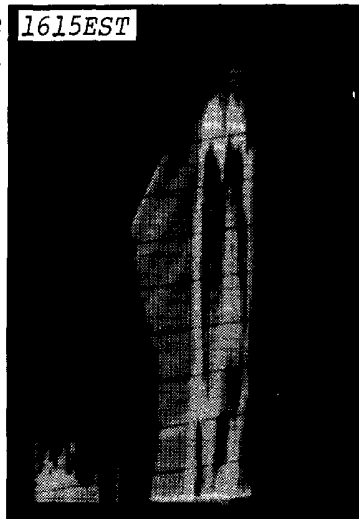


A sequence of alternating visible and infrared, GOES 6 satellite images shows the birth and development of the storms in Illinois, Indiana, and Kentucky on June 13, 1987. All times shown are EST, although part of the region is in the CST zone. The location of the tornado-spawning storm at Midway, Kentucky is indicated by an arrow in the 1831EST image. ---Photos from NESDIS.

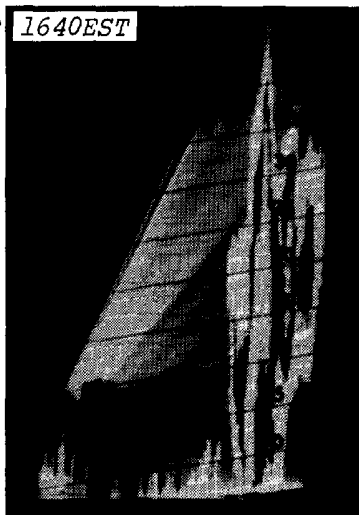
SEVERE THUNDERSTORMS in ILLINOIS, INDIANA, and KENTUCKY ---- continued

Below, RHI and corresponding PPI images from the NWS radar at Indianapolis depict echos of microburst-producing cells at two locations in southern Indiana on June 13th. Arrows on the PPI image indicate the direction of the RHI scan, and point to the scanned echo. ---Radar images provided by Ron W. Przybylinski, NWSFO at Indianapolis, Indiana.

Radar observations of a severe convective storm about 3 miles southeast of Bloomington, Indiana. The cell generated several intense microbursts which resulted in tree damage, and structural damage to an apartment building's roof and some homes in and near Bloomington.



Radar observations of a severe convective storm near and northeast of Terra Haute, Indiana. Microbursts from this cell uprooted or snapped several large trees and blew down many large tree limbs. Several homes and parked vehicles were damaged by the falling trees.



Also associated with the June 13th storms, an F1, mini tornado touched down from a small thunderstorm cell at two locations in Meade County, Kentucky — 1.3 miles south of Midway at 1830EST and 1.2 miles southeast of Midway at 1832EST.



A barn over which an adjacent 10 x 20 foot shed was thrown and scattered about 1000 yards away by the tornado.

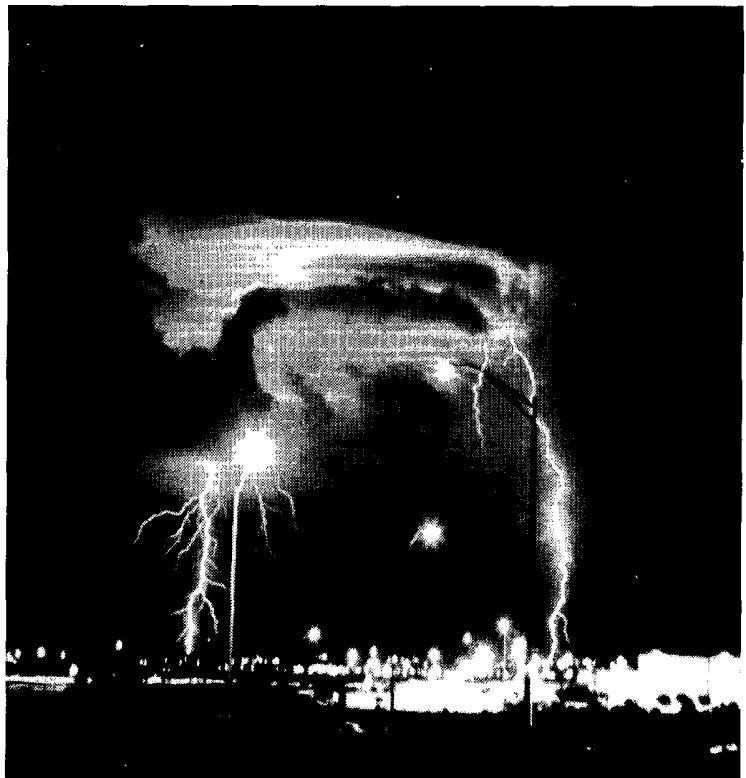
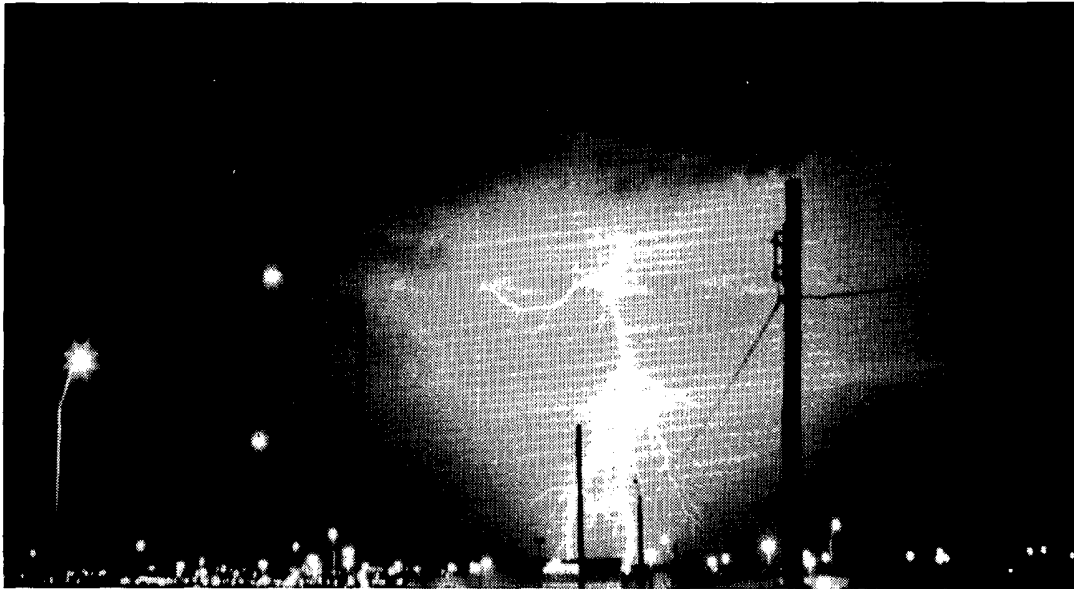


A small barn's roof which was ripped off, carried over a house and mobile home, and scattered across a hay field 155 yards away.

---Both photos by Ernest H. Goetsch, NWSFO at Louisville, Kentucky.

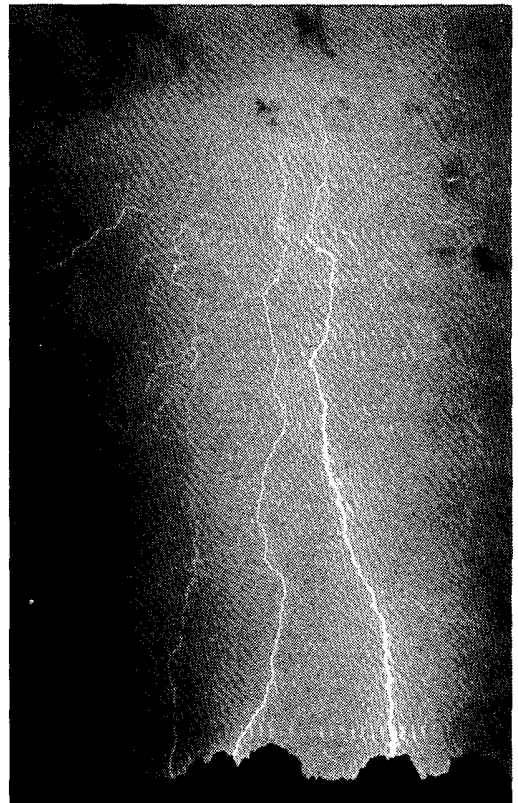
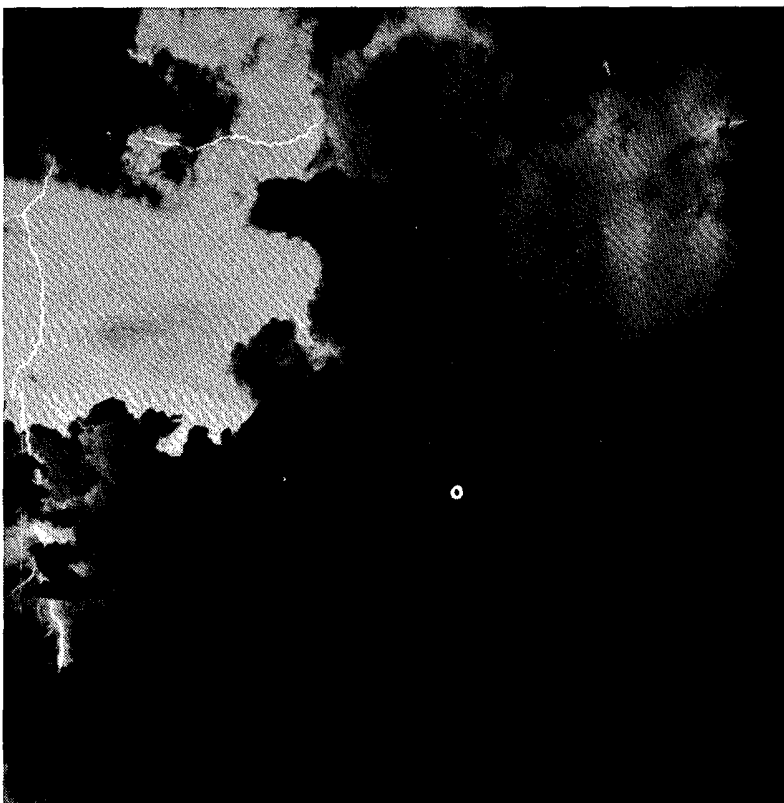
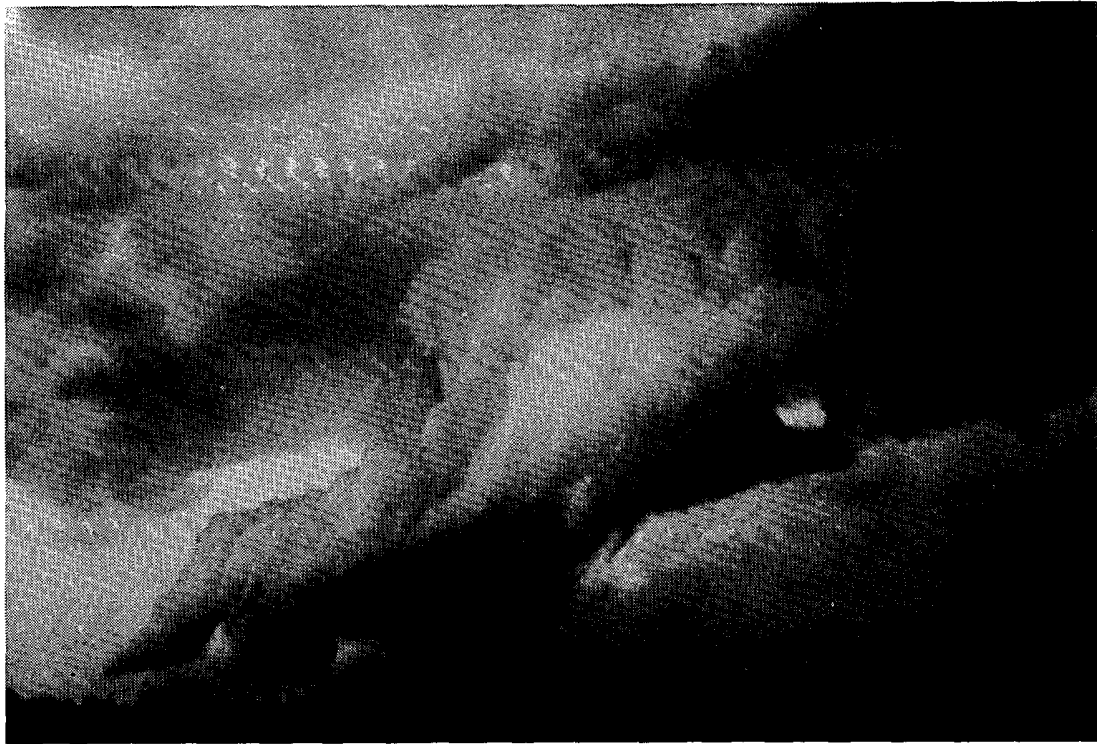
## 7. LIGHTNING during June 1987

As was the case during the previous month, May, lightning again exacted a heavy toll in terms of deaths, injuries and damage during June 1987. Nationwide, there were 18 known deaths and 49 reported injuries attributed to lightning. Following are examples of atmospheric discharges that occurred in Texas and Florida during the month.



The three photos above show lightning strikes that linked cloud and ground at Fort Worth, Texas between 2033CST and 2045CST on the evening of June 23rd. The views, toward the north-northeast, show the Ridgmar shopping mall along Interstate 30 in the foreground. The location is about 2 miles south of Carswell Air Force Base on the western side of the city. ---All three photos by Grant W. Godge, National Climatic Data Center, Asheville, North Carolina.

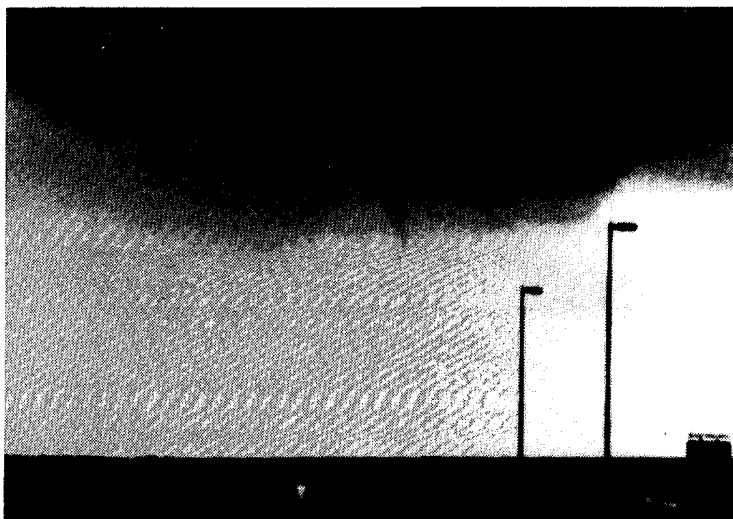
LIGHTNING during June ---- continued



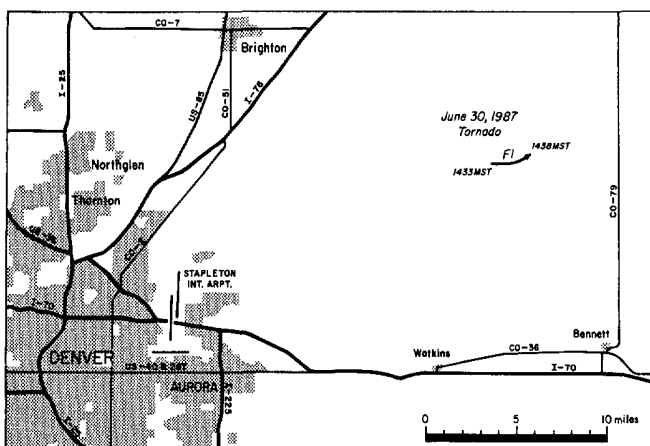
TOP: A dramatic shelf cloud is seen at the edge of a thunderstorm that formed north-east of Naples, Florida on the afternoon of June 17th. The storm packed winds gusting in excess of 50 mph, torrential rains, and outstanding lightning displays as it moved southwestward over Naples and into the Gulf of Mexico. The view is toward the east from U.S. Highway 41. LEFT: Another view of the Naples storm, toward the west, shows how lightning can strike the ground well away from beneath the parent thunderstorm's base. The location is south of Naples near Little Marcos Pass. RIGHT: A sample of cloud-to-ground lightning that blasted the Clewiston, Florida area on the evening of June 16th, causing scattered power outages. The photo was taken at about 2100EST as the storm moved out over Lake Okeechobee. ---All three photos by Jack "Thunderhead" Corso, of Harrison, New York; copyright 1987.

## 8. TORNADO NORTHEAST of DENVER, COLORADO on June 30, 1987

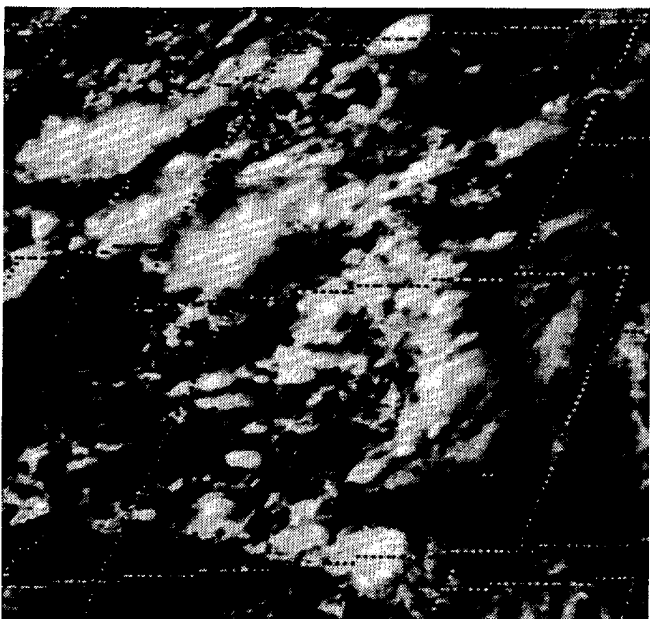
On the afternoon of June 30th, a small tornado touched down in a farming area northeast of Denver, Colorado, about 10 miles north-northwest of the small community of Watkins. Although not an uncommon event, the tornado was observed and monitored by many weather researchers including a PROFS chase team and participants of CINDE. The F1 tornado lasted about 5 minutes as it moved from west to east. A post storm, aerial survey revealed that the tornado gathered crop stubble, mainly wheat, into a herringbone pattern along a 2.2 mile path.



The small condensation funnel of the tornado, and its parent wall cloud.



Location of the June 30th tornado relative to the Denver metro area.



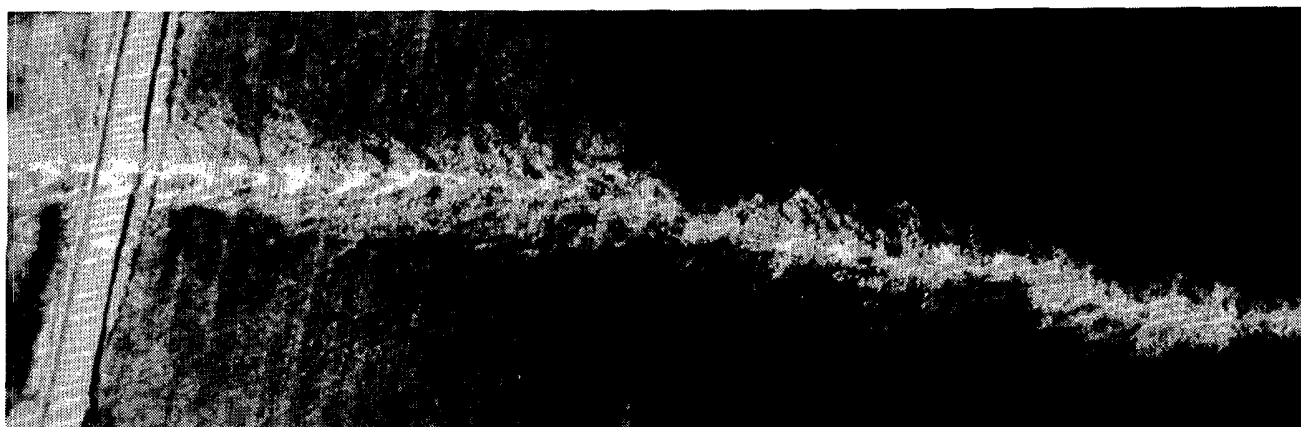
A GOES 6 satellite, visible image taken at 1430 MST on the 30th, just prior to the tornado's occurrence, shows that the parent storm was one of several in the central Rockies. ---Photo from NESDIS.



A westward aerial view of the tornado's path through farm fields, made visible by the herringbone alignment of gathered crop stubble.



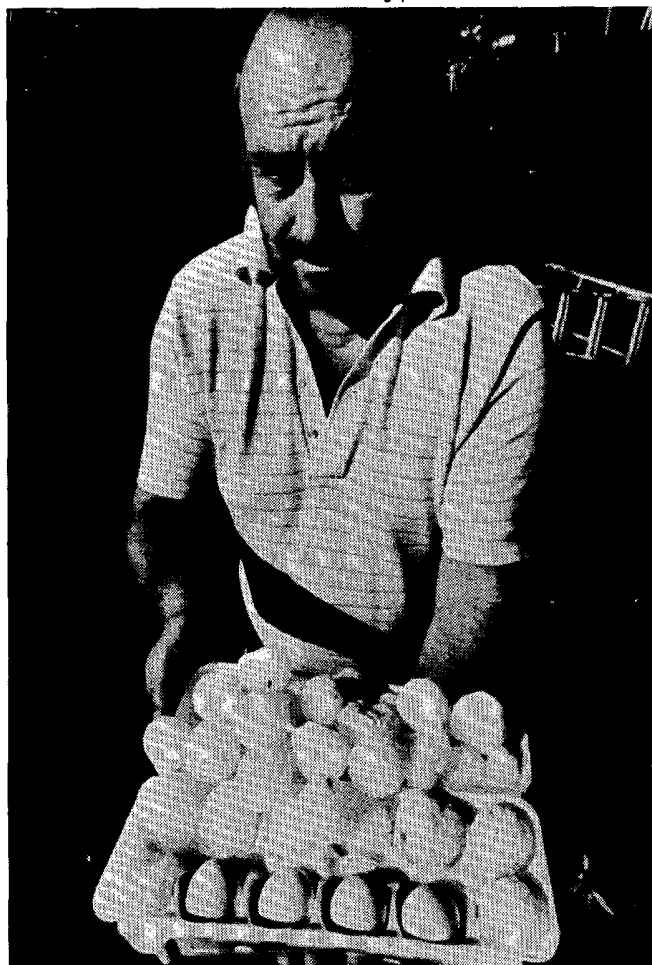
TORNADO NORTHEAST of DENVER, COLORADO ---- continued



A close-up, overhead view of the gathered crop stubble marking the tornado's path. The tornado translated from left to right across the area shown. ---Map, tornado photo, and both path photos by Roger M. Wakimoto, UCLA, Los Angeles, California.

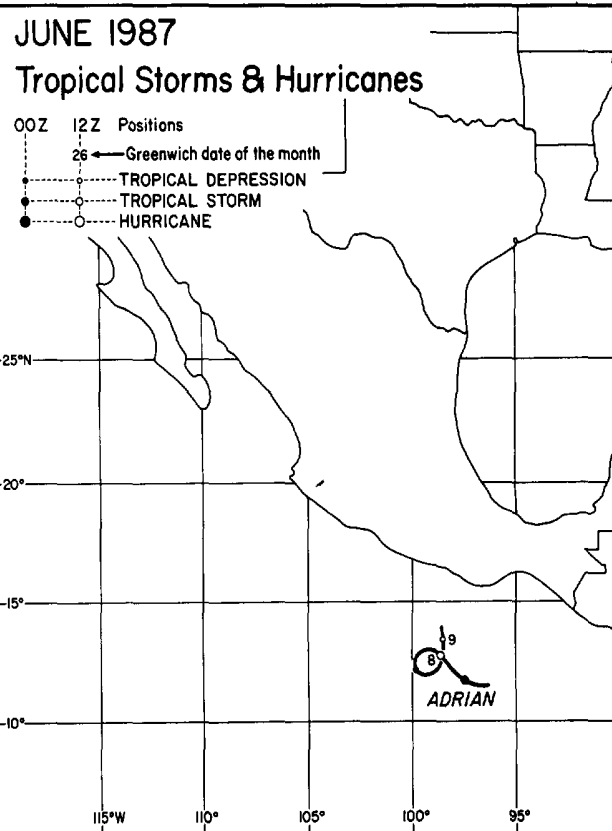
9. HAIL at KLAMATH FALLS, OREGON on June 30, 1987

On the evening of June 30th, Klamath Falls, Oregon was visited by an unusual thunderstorm in that it dropped golfball size and larger hail over west and north sections of the city. Left in the storm's wake were many broken windows, damaged roofs, and dented vehicles. According to National Weather Service records, it was the first storm of its type to ever strike in the region.



John Day of Klamath Falls displays hail stones he collected from his yard following the storm, along with 4 hen eggs for comparison. ---Photo by Mark Crummett, The Klamath Falls Herald and News.

TROPICAL STORMS AND HURRICANES



---Best track data from the NWSFO at San Francisco, California.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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

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

## 1 ALABAMA

Talladega County	03 1500CST	0	0	?	0	0	TSTM Wind	A tree was blown over a tractor-trailer truck just south of I-20 about 3 miles north of Munford.					
Randolph County	03 1600CST	0	0	0	0	0	TSTM Wind	Several downed trees were reported in northeast Randolph County at Foster Crossroads at 1600CST.					
Cleburne County	03 1620CST	0	0	0	0	0	TSTM Wind	Thunderstorm winds blew down several large trees in Ranburne. A small tornado touched down 8 1/2 miles southeast of Hefflin and moved northeast. The small twister destroyed a mobile home and a workshop. Trees in the path were also twisted and stripped. The people inside a mobile home heeded a warning and left just before the tornado struck. Large trees and power lines were blown down at Micaville at 1625CST.					
	1620CST	0	0	0	4	0	Tornado (F1)						
	1625CST	0	0	0	0	0	TSTM Wind						
Shelby County	03 1705CST	0	0	?	0	0	Hail (1.00)	Quarter size hail fell in Meadowbrook on Highway 280 about 15 miles southeast of downtown Birmingham. Also, heavy street flooding up to one foot deep occurred between 1705CST and 1820CST in Alabaster and Pelham about 20 miles south of downtown Birmingham.					
	1820CST	0	0	?	0	0	Flash Flooding						
Jefferson County	03 1735CST	0	0	?	0	0	TSTM Wind	Two large trees were blown down near Vulcan Road in Bessemer at 1735CST. Golf ball size hail was reported in Vestavia Hills, south of Birmingham at 1750CST. Heavy rain from the same thunderstorm dumped nearly two inches of rain on the Riverchase/Hoover area in South Birmingham, where the roof of a large supermarket collapsed at around 1800CST. A clogged drain caused water to collect on the roof. There were no injuries.					
	1750CST	0	0	?	0	0	Hail (1.75)						
	1800CST	0	0	5	0	0	Heavy Rain						
Lamar and Marion Counties	03 1820CST	0	0	0	0	0	TSTM Wind	Several trees were blown down along County Road 16 at the Lamar-Marion county line.					
Cherokee County	03 1820CST	0	0	?	0	0	TSTM Wind	A roof was blown off a house and a chicken house was damaged at Mount Weisner.					
St. Clair County	03 1845CST	0	0	2	0	0	TSTM Wind	Official observer reported a microburst that occurred near I-20 at Chula Vista. Multiple trees and a road sign were all blown down in the same direction.					
Winston County	03 1910CST	0	0	?	0	0	Hail (0.75)	Nickel size hail was reported at Black Pond near Double Springs.					
Walker County	03 1915CST	0	0	?	0	0	TSTM Wind	Several large trees were uprooted at Smith Lake in northern Walker County.					
Jackson County	03 2130CST	0	0	?	0	0	TSTM Wind	Trees were uprooted and power lines downed at Scottsboro.					
Covington County	04 1445CST	0	0	4	0	0	TSTM Wind	High winds caused damage to the roof of a furniture store at Opp. Large trees and power lines were also knocked down.					
Walker County	14 1700CST	0	0	?	0	0	TSTM Wind	High thunderstorm winds blew power lines down and roadways were blocked by downed trees in Jasper.					
Fayette County	14 1800CST	0.3	50	0	0	1	0	0	Tornado (F0)	A small tornado touched down 4 miles north of the city of Fayette in the Haley Creek area and moved southwest uprooting a few trees and damaging power lines and poles. There were no injuries.			
Fayette County	14 1810CST	0.3	50	0	0	0	0	0	Tornado (F0)	A small tornado dipped down 1/2 mile southwest of Berry and moved southwest. A few trees were twisted and debarked.			
Fayette County	14 1820CST	0.2	50	0	0	0	0	0	Tornado (F0)	Another small twister touched down one mile north of the Wayside Community in north Fayette County and moved southwest only a short distance. Damage to trees was reported.			
Dallas County	18 1305CST	0	0	?	0	0	0	0	TSTM Wind	In the city of Selma, seven trees were downed, one house was damaged and a funnel cloud was spotted aloft.			

## ALABAMA

Montgomery County	18 1350CST	0	0	?	0	0	TSTM Wind	At 1350CST, trees and power lines were downed in the city of Montgomery. Over one inch of rain fell at Dannelly Field in less than 30 minutes. Wind gusts blew a Port-A-John about 50 feet onto the top of a car. At 1400CST, a 50 foot telemetry tower was snapped in north Montgomery.					
	1400CST	0	0	?	0	0	TSTM Wind						
Elmore County	18 1415CST	0	0	?	0	0	TSTM Wind	Trees and power lines were downed in Wetumpka and Eclectic.					
Autauga County	18 1425CST	0	0	?	0	0	TSTM Wind	Power lines were downed at two locations due to large trees that fell in the city of Prattville.					
Clay County	18 1630CST	0	0	3	0	0	TSTM Wind	A barn was destroyed by straight-line winds 12 miles west of Ashland.					
Marengo County	19 1610CST	1	0	0	0	0	Lightning	A 16-year-old male was killed by lightning just after he left an automobile. Lightning M160.					
Limestone County	21 1455CST	0	0	?	0	0	Hail (0.75)	Dime size hail fell four miles south of Coxey near Wheeler Lake.					
Limestone County	21 1520CST	1	1	0	0	0	Lightning	A 19-year-old male was killed by lightning. Another 19-year-old male was slightly injured. The two had been fishing on Wheeler Lake most of the afternoon and got caught in a thunderstorm as they went ashore. Lightning M190.					
Lawrence County	24 1800CST	0	0	?	0	0	Hail (1.75)	Golf ball size hail fell 5 miles north of Moulton.					
Houston County	25 1315CST	0	0	?	0	0	TSTM Wind	Strong winds blew down two large trees and knocked down power lines in the city of Dothan. High winds also ripped the front porch off a house and a tree crushed a car in the same area.					
Elmore County	26 1130CST	0	0	?	0	0	TSTM Wind	Large trees were blown down and power lines snapped in the city of Wetumpka.					
Mobile County	26 1412CST	0.2	30	0	0	?	0	0	Tornado (F0)	A small tornado touched down 1/2 mile east of the city of Irvington and moved south. The twister took the roof off a small building.			
Mobile County	26 1415CST	0	0	?	0	0	TSTM Wind	Large trees were blown down near the Fowl River 5 miles southeast of Irvington.					
Houston County	26 1745CST	0	0	?	0	0	TSTM Wind	Large tree limbs knocked down power lines about 10 miles west of Dothan. Numerous power outages were reported.					

## 2 ARIZONA

Yavapai County, Prescott	11 1443MST	0	0	3	0	0	Thunderstorm wind (S2)	A strong microburst developed from thunderstorms overhead at Prescott Municipal Airport. One light aircraft that was tied down was flipped onto its nose. Considerable debris was blown around the airport, most coming from dumpsters.			
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## 3 ARKANSAS

Lawrence County	02 1445CST	0	0	2	-	-	Thunderstorm Wind	Strong winds blew down an old barn 5 miles east of Walnut Ridge. A tractor shed was also damaged and several trees were blown down.			
Nevada County	03 1425CST	0	0	4	-	-	Thunderstorm Wind	The New Salem community was struck by damaging gusts. Many trees and power lines were blown down at the intersection of Highways 4 and 76. New Salem is 1 mile west of this intersection. One home received roof damage caused by one of the falling trees. Thirteen other homes had roof damage.			

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>— ARKANSAS</b>									
Nevada County	03	1510CST			0	0	4	-	Thunderstorm Wind
					Trees and power lines were blown down 3 miles east of Emmet, along Highway 299. More than a dozen trees were knocked down, with one of them crushing an '82 pickup truck. Some farm buildings sustained minor roof damages.				
Crittenden County	14	1430CST			0	0	?	-	Thunderstorm Wind
					Power poles were downed along Airport Road in West Memphis. Thunderstorm gusts also damaged a power substation at Lehl. Wide-spread power outages resulted.				
Craighead County	14	1610CST			0	0	?	-	Thunderstorm Wind
					A television station in Jonesboro relayed reports of tree tops blown off in Jonesboro. Also an empty grain bin was turned over.				
Jackson County	16	1915CST			0	0	3	-	Thunderstorm Wind
					Several businesses in Tuckerman received wind damage from a thunderstorm.				
Boone County	16	1945CST			0	0	-	-	Thunderstorm Wind
					Two or three trees were blown down across U. S. Highway 65 at Omaha.				
Greene County	16	2100CST			0	0	4	-	Lightning
					A lightning strike started a fire at a home in Lefe, causing \$15,000 in damage.				
Prairie County	16	2200CST			0	0	3	-	Thunderstorm Wind
					The Cross Roads Community Building received extensive roof damage from a tree blown down by strong winds. Other trees were uprooted in the Cross Roads and Hickory Plains area.				
Nevada County	17	1700CST			0	0	?	-	Thunderstorm Wind
					Chicken house, tree, and power line damage was reported at Gale.				
Craighead County	17	1720CST			0	0	?	-	Thunderstorm Wind
	17	1720CST			0	0	-	-	Flash Flooding
					Several trees were blown down in Jonesboro. At the same time, heavy rain flooded many streets in the downtown area.				
Phillips County	19	1115CST			0	0	4	-	Lightning
					Lightning started a fire at a West Helens residence. The home was destroyed completely.				
Sevier County	19	1636CST			0	0	-	-	Thunderstorm Wind
					Numerous trees were blown down in Horatio and DeQueen.				
Little River County	19	1644CST			0	0	-	-	Thunderstorm Wind
					Gusts, estimated between 50 and 60 mph, blew down trees in Foreman and Wilton. A boat dock was damaged at Highway 71 on the Little River.				
Montgomery County	19	1645CST			0	0	-	-	Thunderstorm Wind
					The Sheriff's Department reported tops of trees off at a campground in Albert and at various other locations around the county.				
Pulaski County	19	1720CST			0	0	3	-	Thunderstorm Wind
					A small storage building made out of wood and sheet metal was blown across a parking lot. It scraped the side of one vehicle, it damaged 2 car-wash bins, and it crushed a chain-link fence in Little Rock at a convenience store.				
Pope County	19	1725CST			0	0	5	-	Thunderstorm Wind
	19	1725CST			0	0	-	-	Hail (1.75")
					Fifty-mile-an-hour winds and golfball-size hail were reported in Russellville. A business had its general, shipping, and loading offices destroyed. One tractor-trailer rig at the loading dock was lifted and tossed 150 yards.				
Pope and Yell Counties	19	1730CST			0	0	-	-	Hail (1.75")
					A radio station in Russellville relayed reports of golfball-size hail in Dardanelle and Russellville. Also, a tree was blown down in Dardanelle, with winds estimated from 55 to 60 mph.				
<b>— ARKANSAS</b>									
Hempstead County	19	1745CST			0	0	-	-	Thunderstorm Wind
					Gusts, estimated at 65 mph, blew down several trees between Gurnsey and Hope.				
Miller County	19	1753CST			0	0	-	-	Thunderstorm Wind
					Trees were knocked down and vehicles were blown off the highway at Fouke.				
Hempstead County	19	1755CST			1	0	-	-	Thunderstorm Wind
					A sixty-one year old man drowned shortly before 6:00 pm CST at Beards Bluff, on Lake Millwood. He was in a fishing boat with his son and his grandson. Thunderstorm gusts created high waves which capsized the small boat. He attempted to swim ashore with his 7-year-old grandson. He got tangled by a trotline and attempted to diorobe. The son made it ashore safely. A fourth man saw the two struggling in the water and launched a boat. It was too late to save the grandfather, but he rescued the boy.				
Nevada County	19	1810CST			0	0	-	-	Thunderstorm Wind
					Several trees were blown down across the road 1 mile west of Waterloo.				
Prairie County	19	1838CST			0	0	4	-	Thunderstorm Wind
					A storage building was blown against the Arkansas Forestry Commission building at the Stuttgart Municipal Airport. The storage building was destroyed and one wall was dented heavily at the Commission's office.				
Ashley County	19	1955CST			0	0	?	-	Thunderstorm Wind
					Trees were uprooted and a small barn was destroyed at a small community called Crossroads. The area is located at the intersection of Highway 81 and 52.				
Woodruff County	19	2100CST			0	0	3	-	Thunderstorm Wind
					A large tree was blown down across the roof of a home in Cotton Plant. Several trees were uprooted in other sections of town. The Cotton Plant Elementary School received a lot of roof damage also.				
Marion County	21	1430CST			0	0	-	-	Thunderstorm Wind
					A tree was knocked down and a canoe was blown around at Buffalo Point State Park.				
Monroe County	21	1715CST			0	0	3	-	Thunderstorm Wind
					Thunderstorm gusts blew down trees and power lines; some fell onto one home in Clarendon.				
Phillips County	21	1800CST			0	0	4	-	Thunderstorm Wind
					Strong gusts from a thunderstorm struck the western edge of West Helena. Many trees, signs, and power lines were blown down. Countless windows were broken. Most of the damage was sustained by aluminum storage units which were unanchored. Sixty-four of the 96 units were demolished, but the stored articles were left in place for the most part.				
Franklin County	22	1837CST			0	0	-	-	Hail (1.50")
					Walnut-size hail fell 2 miles south of Altus.				
Washington County	23	0300CST			0	0	-	-	Hail (1.75")
					The State Police reported golfball-size hail in Springdale.				
Washington County	23	1000CST			0	0	?	-	Flash Flooding
					Flooding, 4-5 feet deep, was reported over the roadway at Johnson. Roads were also reported under water at Sulphur City. The southeast part of the county also received flooding.				
Independence County	23	1014CST			0	0	-	-	Thunderstorm Wind
					The Sheriff's Office reported a tree blown down 2 miles east of Batesville. Also another tree was blown down at South Side.				
Independence County	23	1040CST			0	0	-	-	Hail (1.00")
					One-inch diameter hail fell in Batesville.				

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	
<b>— ARKANSAS</b>									
Sebastian County	23	1045CST			0	0	-	-	Hail (0.88")
									Nickel-size hail fell at Fort Smith.
Sebastian County	23	1055CST			0	1	?	-	Thunderstorm Wind
									A thunderstorm gust pushed two vehicles off course while crossing a bridge in Fort Smith. One car was slammed against a bridge barrier. A young woman sustained injuries from the wreck.
Perry County	23	1100CST			0	0	-	-	Thunderstorm Wind
									A thunderstorm caused power outages and downed several trees in Perryville.
Conway County	23	1115CST			0	0	-	-	Hail (1.75")
									Golfball-size hail was reported by the Sheriff's Office along Interstate 40, at the Conway-Paulkner county line.
Jackson County	23	1120CST			0	0	?	-	Thunderstorm Wind
									Winds were clocked at 72 mph at the Newport airport. In nearby Tuckerman, trees, power lines and poles were blown down.
Benton County	23	1125CST			0	0	4	-	Thunderstorm Wind
									A 5-car garage was blown down onto an automobile, a pickup truck, and 2 boats at Hiwassee. Also, trees were blown down and a chicken house received wind damage.
Craighead County	23	1130CST			0	0	5	-	Thunderstorm Wind
									Thunderstorm gusts destroyed a crop duster and damaged another plane and one hangar 5 miles west of Cash. Also, an empty silo was destroyed.
Pulaski County	23	1140CST			0	0	-	-	Funnel Cloud
									A pilot reported a funnel cloud one mile west of the North Little Rock Airport. It lasted two minutes and dissipated.
Conway County	23	1145CST			0	0	-	-	Hail (1.75")
									The Arkansas Highway Police reported golfball-size hail and high winds at Plumerville.
White County	23	1200CST			0	0	?	-	Thunderstorm Wind
									Strong gusts overturned a tractor-trailer truck onto a pickup truck and blew out the windows of a business in Searcy.
Lonoke County	23	1245CST			0	0	-	-	Funnel Cloud
									A pilot reported a funnel cloud 5 miles south of Lonoke.
Pulaski County	23	1257CST			0	0	?	-	Thunderstorm Wind
	23	1257CST			0	0	-	-	Hail (1.75")
									Sixty-nine mile-an-hour winds were clocked at Adams Field in Little Rock. About the same time, power lines were blown down in North Little Rock. Golfball-size hail fell at the Central Airport Road in North Little Rock.
Mississippi County	23	1400CST			0	0	?	-	Lightning
									A home in Blytheville was set on fire by a lightning strike.
Jefferson County	23	1410CST			0	0	-	-	Thunderstorm Wind
									Trees were blown down in Jefferson City, according to the Sheriff's Office.
Sevier County	23	1438CST			0	0	-	-	Hail (0.88")
									Nickel-size hail was reported between DeQueen and Horatio.
Columbia County	23	1715CST			1	0	-	-	Lightning
									A Waldo man was killed by lightning as he stood indoors, leaning on his vehicle. A nearby tree was struck by the bolt, but there was water standing on the floor of the garage. Apparently, the charge travelled by means of the water.
<b>— ARKANSAS</b>									
Ashley County	23	1845CST			0	0	3	-	Thunderstorm Wind
									Trees were uprooted at Hamburg. One of the trees damaged the roof and windshield of a pickup truck. Also a trailer was overturned.
Jackson County	25	1330CST			0	1	-	-	Lightning
									A man received minor injuries from a nearby lightning strike as he made his rounds delivering soft drinks in Newport. He reported feeling tingling sensations in his arms and then numbness.
Monroe County	30	1515CST			0	0	?	-	Thunderstorm Wind
									Trees, tree limbs, and power lines were downed in Clarendon.
Prairie County	30	1530CST			0	0	4	-	Thunderstorm Wind
									Several trees were uprooted in Dea Arc, causing power outages. One business building sustained roof damage. A pickup truck and an automobile were dented by falling limbs.
Mississippi County	30	1730CST			0	0	?	-	Thunderstorm Wind
									Power outages were widespread in Osceola due to falling tree limbs and trees, as a thunderstorm moved through the city. Similar damages were reported in West Memphis, Crawfordville, Earle and Turrell.
<b>4 CALIFORNIA, Northern — NONE REPORTED</b>									
<b>4 CALIFORNIA, Southern</b>									
Los Angeles County:	05	1245PST	0.25	20	0	0	5	?	Tornado (FD)
3 NNE Palmdale Airport									
3 ESE General William J. Fox Airfield	05	1245PST			0	0	3	0	Thunderstorm Winds
									A short-wave trough moved rapidly over the coastal waters of Southern California. Strong thunderstorms formed over the ocean and moved inland after midnight, on the evening of Friday the 5th and the morning of Saturday the 6th. The storms continued through the day on Saturday and resulted in over 500,000 people being without electricity, some until the morning of Monday the 8th.
									On Friday afternoon, there were reports of a possible tornado in the vicinity of Lancaster. Investigations indicated that the damage was caused by a microburst from a dissipating thunderstorm. There were several reports, both surface and pilot, of dust clouds and roll clouds. A Boeing 737 declared a missed approach to avoid a dust cloud at approximately 1230PST. The dust and roll clouds were reported as passing through the Palmdale Airport by 1208PST and through Little Rock by 1600PST. Straight-line winds destroyed a trailer park and removed a roof from a turkey shed near 15th Street East and Avenue I in Lancaster at approximately 1245PST.
									Several minutes later, seven telephone poles were sheared off at around 45th Street East and Avenue K. A telephone lineman reported seeing a funnel cloud as it descended to make contact with the ground, thereby becoming a tornado. As the storm moved further northwest, five additional poles were toppled along Avenue I, between 10th Street East and 20th Street East.
									Area rains continued during Friday night and throughout the day on Saturday, causing flash flooding, power outages, and numerous small lightning-induced fires in the Antelope Valley. There were extensive power outages throughout all of Southern California.
CAZ013	06	1600PST			0	0	?	0	Hail (1.00)
Mount Pinos									One-inch diameter hail was reported at the Pine Mountain Club near Mount Pinos. There were reports of strong thunderstorms over the area at the time.
Kern County	07	after 1200PST			0	0	?	0	Flash Flooding
									Bakersfield reported localized flooding in southeast Kern County. No reports of damage were available.

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JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	
<b>5 COLORADO</b>									
Premont County CO2004	7	1430MST			1	0	0	0	Lightning
A 31-year-old man was killed by lightning near the Fremont-Park county line northwest of Canon City.									
Northeast Foothills CO2011-014	8	evening			0	0	5	0	Heavy rain, Lightning
Torrential rain hit the eastern foothills from Colorado Springs north to Boulder. There was extensive local flooding in the Denver area. Interstate 25 was closed for a time through central Denver, and a trailer park in the suburb of Lakewood was partially evacuated due to high water. Several streets in Boulder were closed due to flooding. There was extensive basement flooding and water damage in Lakewood and southeast Denver. Lightning hit a power plant in Denver that supplied electricity to storm drain pumps; this exacerbated street flooding in some areas. Street flooding also occurred in Colorado Springs, and three homes there suffered minor damage from lightning strikes. Rainfall from the thunderstorms totaled 1 1/2 to 2 inches at many spots in Lakewood, central and northeast Denver, and Colorado Springs. 1.62 inches fell in an hour at Stapleton airport, more than the average total for the entire month of June. The heaviest amounts were reported in Lakewood, where up to 2 1/4 inches fell in just 2 hours.									
El Paso County CO2014	9	1345 MST			0	3	0	0	Lightning
Three Air Force reservists were working on a plane at Peterson AFB when lightning struck a power pole about 200 yards east of them. A bolt came up from the ground and struck them, causing minor injuries.									
Jefferson County CO2011	9	1400 MST			1	0	4	0	Tstm.winds
Strong wind gusts in Conifer destroyed a porch on a house. The gust picked up the porch and dropped it on a man, killing him. The gusts also damaged the roof of the house and damaged a nearby barn.									
Jefferson County CO2011	9	1439MST	0.1	20	0	0	0	0	Tornado (F1)
A tornado touched down briefly just south of Lakewood. It was spawned by the same thunderstorm complex that produced the fatal wind gust in Conifer.									
Jefferson and Arapahoe Counties CO2011	9	1500MST			0	0	4	0	Heavy rain
Up to 3 inches of rain fell in a short time 8 miles southwest of Littleton. A few businesses in Englewood suffered minor water damage.									
Adams County CO2011	9	1510MST	2	50	0	0	0	0	Tornado (F1)
A tornado was sighted between Watkins and Bennett. It was on the ground for 15 minutes, until 1525MST.									
Douglas County CO2011	9	1525MST	0.5	30	0	0	3	0	Tornado (F1)
A tornado touched down 4 miles southwest of Castle Rock. It tossed an aluminum shed into the air, carrying it about 100 feet. The twister was moving toward the northeast at about 20 mph.									
Pueblo County CO2016	9	1640MST			0	0	4	0	Heavy rain
Heavy rain caused a road northeast of Pueblo to wash out.									
Weld County CO2011	9	2157MST			0	0	5	0	Lightning
A lightning bolt ignited "Tire Mountain", a huge pile of six million used tires 6 miles northeast of Hudson. Two million of the tires either burned or were buried by bulldozers piling sand and dirt upon them in an effort to extinguish the fire that took several days. Dollar loss was estimated at \$300,000.									
Logan County CO2013	9	evening			0	0	5	5	Heavy rain
3.7 inches of rain drenched Fleming in a six hour period. To the northeast of town, 4 inches fell in just two hours. The resulting flooding damaged roads, bridges, fences, and crops. Several homes suffered water damage, which was severe in a few basements. Total damage was estimated at \$200,000.									
Denver County CO2011	12	1340MST	0.1	20	0	0	0	0	Tornado (F0)
A small tornado touched down for about 3 minutes near the intersection of Interstate 70 and Colorado Boulevard in northeast Denver.									
El Paso County CO2014	13	1400MST			0	1	0	0	Lightning
A 24-year-old man walking on the summit of Pikes Peak was struck by lightning and injured slightly.									
Jefferson County CO2011	15				0	0	0	0	Hail (1.75)
Golfball size hail fell in the southern part of Lakewood.									
Bent County CO2016	17	evening			0	0	0	0	Tstm.winds
Strong winds unroofed an airplane hangar 5 miles south of Las Animas. Boards and metal rods from the hangar punctured a quonset hut.									
<b>COLORADO</b>									
Larimer and Boulder Counties CO2011	17	evening			0	0	0	0	Hail (1.75)
3/4 inch hail fell 2 miles southeast of Fort Collins at 2200MST, and 5 miles southeast of the city at 2215MST. In Boulder County, 3/4 inch hail fell 5 miles northeast of Boulder at 2230MST.									
Weld County CO2011	17	late evening			0	0	3	0	Tstm.winds
Strong winds in Greeley caused a power outage and knocked down a few trees.									
Larimer County CO2011	18	1520MST	1.0	40	0	0	4	0	Tornado (F1)
A tornado touched down 8 miles south of Rustic, well up in the foothills at 9000 feet above sea level, about 40 miles west of Fort Collins. The twister hit a college campus and unroofed two buildings while knocking down about a thousand trees. The tornado was immediately preceded by 3/4 inch hail.									
Douglas County CO2011	18	1644MST	0.2	20	0	0	0	0	Tornado (F1)
A tornado touched down briefly in Castle Rock.									
Elbert County CO2011	18	1857MST	0.5	25	0	0	0	0	Tornado (F1)
A tornado touchdown near Kiowa was spotted by a TV news crew. The storm stayed on the ground until 1905MST.									
Jefferson County CO2011	18	1905MST			0	0	4	0	Lightning
Lightning started a small fire that burned half of a cabin near Evergreen.									
Northeast Colorado CO2011-012-013-014	18	afternoon & evening			0	0	4	0	Severe tstms.
Severe thunderstorms brought large hail, heavy rain, and strong winds to many spots in Northeastern Colorado. 2.5 inches of rain fell in an hour in the Denver suburb of Wheat Ridge, causing minor flooding. Interstate 25 was flooded in north-central Denver, tying up traffic.  Hail in Elizabeth caused damage to house roofs and cars.  Individual reports associated with these storms were as follows:									
Boulder County, Louisville	18	1450-1506MST							Hail (0.88)
Jefferson County, N of Golden	18	1514MST							Hail (1.50)
Douglas County: Castle Rock	18	1658MST							Hail (1.00)
near Castle Rock	18	1706MST							Hail (1.00)
8 S Castle Rock	18	1725MST							Hail (1.75)
Elbert County, Elizabeth	18	1750MST							Hail (1.00)
Lincoln County: Bovina	18	2008MST							Hail (1.75)
Hsgp	18	2008MST							Hail (1.75)
Limon	18	2159MST							Hail (1.75)
Otero County CO2016	19	0100MST			0	0	0	0	Hail (1.0)
Quarter size hail fell at La Junta.									
Prowers County CO2017	19	0100MST			0	0	5	4	High winds
Strong winds unroofed a warehouse and a mobile home in Lamar, and also damaged a business. Power poles and lines were damaged, and several windows were broken in the town. There was extensive crop damage near the Arkansas River. Up to 1 1/2 inches of rain fell in the area. Damage was estimated at \$100,000.									
Douglas County CO2011	20	1305MST	0.3	20	0	0	0	0	Tornado (F1)
A tornado touched down briefly 5 miles west of Parker.									
Jefferson County CO2011	20	1315MST	0.2	20	0	0	0	0	Tornado (F1)
A tornado was sighted just north of Chatfield Reservoir.									
Adams County CO2011	20	1325MST	1.0	30	0	0	0	0	Tornado (F2)
A tornado was spotted just northwest of Watkins. It was on the ground for about 15 minutes, moving slowly.									
Adams County CO2011	20	1330MST	1.0	30	0	0	0	0	Tornado (F1)
A tornado near Barr Lake was filmed by a TV news crew. It had a double vortex and was on the ground for about 10 minutes.									
Northeastern Colorado CO2011-012-013-014	20	afternoon			0	0	5	5	Severe tstms.
In addition to the four tornadoes just reported, thunderstorms dropped large hail and caused crop damage in several spots. Crop, roof, and auto damage was reported in Widefield, near Colorado Springs in El Paso County. Cars were dented by large hail 15 miles northeast of Colorado Springs and near Elizabeth in Elbert County. Minor crop and car damage was also reported near Flagler in Kit Carson County.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>									
Individual reports associated with these storms were as follows:									
Arapahoe County: Denver Tech Center	20	1325MST							Hail (0.75)
Buckley Field SE Aurora	20	1327MST							Hail (0.75)
El Paso County, Widefield	20	1336MST							Hail (1.00)
Douglas County, Franktown	20	1400MST							Hail (1.50)
Elbert County, near Elizabeth	20	1400MST							Hail (0.75)
Arapahoe County, SE Aurora	20	1525MST							Hail (1.00)
El Paso County, 15 NE Colorado Springs	20	1555MST							Hail (0.88)
Kit Carson County, E of Flagler	20	1615MST							Hail (0.75)
	20	1800MST							Hail (1.00)
Yuma County CO2013	20	1830MST			0	0	4	0	Lightning
Lightning killed 15 head of cattle near Eckley with a total value of \$7000.									
Weld County CO2011	23	1420MST	0.3	20	0	0	0	0	Tornado (F1)
A tornado briefly touched down just southeast of Hudson.									
Weld County CO2011	23	1658MST	0.5	30	0	0	0	0	Tornado (F1)
A tornado was spotted between Pierce and Nunn. It lasted about two minutes.									
Fremont County CO2016	23	1653MST			0	0	0	5	Hail (1.75)
Golfball size hail near Penrose caused severe damage to fruit crops. The hail fell from 1653 to 1704MST.									
Washington County CO2012	23	1800MST	0.3	30	0	0	0	0	Tornado (F1)
		1808MST	0.3	30	0	0	0	0	Tornado (F1)
		1808MST			0	0	0	5	Hail (1.0)
Two tornadoes were spotted just SSE of Lindon by an NCAR storm chaser. Quarter size hail fell in the area and caused severe crop damage.									
Eastern Colorado CO2011-012-013-014-015-016-017	23	afternoon & evening			0	0	7	7	Severe Tsms.
A massive hailstorm pounded the Pueblo area. Insurance adjusters estimated that 8000 homes and more than 11000 cars were damaged at a total dollar value of \$37 million. This estimate would make the storm the second costliest on record in Pueblo. Severe thunderstorms also hit many other areas of Eastern Colorado. Large hail and damage were widespread. Over 1300 acres of crops, including sugar beets, wheat, corn, and barley were damaged near Keenesburg in Weld County. Extensive damage to wheat was also reported near Byers in Arapahoe County. Wheat was smashed by hail near Vona in Kit Carson County. Hail caused damage to roofs and cars near Elbert in Elbert County, at Fountain and Falcon in El Paso County, and at Hugo in Lincoln County. Damage to crops and cars was reported at Flagler in Kit Carson County. Police cars were dented by hail at Fort Lupton in Weld County. There was widespread crop damage in the Arkansas Valley. Onions, tomatoes, pepper, and corn in Otero County were all hit hard. Extensive property damage also occurred in La Junta as hundreds of homes had broken windows and damaged roofs. Dollar damage in La Junta was estimated at 9.2 million dollars. Total property and crop damage on this day was estimated at 60 to 70 million dollars, mainly from the Pueblo, La Junta, and Keenesburg storms.									
Individual reports associated with these storms were as follows:									
Weld County, SE of Fort Lupton	23	1331MST							Hail (1.50)
Arapahoe County, Littleton	23	1350MST							Hail (1.75)
Jefferson County, N Arvada	23	1357MST							Hail (0.88)
Arapahoe County, C Littleton	23	1358MST							Hail (1.00)
Jefferson County, Arvada	23	1406MST							Hail (1.00)
Weld County, 4 N Keenesburg	23	1411MST							Hail (0.88)
Jefferson County, 2 E Morrison	23	1420MST							Hail (1.75)
Denver County, Cherry Creek Dam	23	1425-1427MST							Hail (1.00)
Jefferson County, Lakewood	23	1430MST							Hail (0.75)
Arapahoe County, SE Aurora	23	1430-1432MST							Hail (1.75)
Weld County, near Keenesburg	23	1431-1432MST							Hail (1.50)
Arapahoe County, E Aurora	23	1439-1440MST							Hail (0.75)
<b>COLORADO</b>									
Jefferson County, S Lakewood	23	1454MST							Hail (1.50)
Weld County, 6 S Roggen	23	1503-1515MST							Hail (1.25)
4 ENE Prospect Valley	23	1526MST							Hail (1.75)
5 NW Keenesburg	23	1600-1605MST							Hail (1.00)
4 SSE Carr	23	1613MST							Hail (0.75)
Arapahoe County, Byers	23	1644-1650MST							Hail (1.25)
Elbert County, Elbert	23	1701MST							Hail (1.00)
El Paso County, near Fort Carson	23	1740MST							Hail (1.00)
SW Colorado Springs	23	1742MST							Hail (1.00)
Pueblo County, Pueblo West	23	1745MST							Hail (1.00)
El Paso County, near Security	23	1745MST							Hail (1.75)
Paloon	23	1755MST							Hail (1.00)
Pueblo County, near Pueblo	23	1800MST							Hail (1.00)
El Paso County, E of Elliptic	23	1800MST							Hail (0.75)
Otero County, Rocky Ford	23	1810MST							Hail (1.00)
Lincoln County, Hugo	23	1930MST							Hail (2.75)
10 E Limon	23	1931MST							Hail (1.00)
Kit Carson County, Flagler	23	2000MST							Hail (1.75)
Otero County, La Junta	23	2005MST							Hail (2.00)
Kit Carson County, Vona	23	2015MST							Hail (4.50)
Baca County, Walsh	23	evening							Hail (1.75)
	23	late evening							Hail (1.00)
Elbert County CO2012	24	1442MST	0.8	50	0	0	0	0	Tornado (F1)
A tornado was spotted 7 miles west of Limon, moving toward the southeast at about 15 mph. It lasted until 1445MST.									
Yuma County CO2013	24	1453MST			0	0	0	0	Hail (1.25)
1 1/4 inch hail was observed 3 miles west of Idalia.									
Kit Carson County CO2013	24	1605MST			0	0	0	4	Hail (1.75)
Golfball size hail fell 7 miles south of Burlington, causing crop damage.									
El Paso County CO2014	24	1616MST			0	0	0	4	Hail (2.75)
Golfball to baseball size hail fell near Yoder, causing crop damage.									
Lincoln County CO2016	24	1644MST	0.6	30	0	0	0	0	Tornado (F1)
	24	1644MST	0.6	30	0	0	0	0	Tornado (F1)
Two tornadoes were spotted about 8 miles southwest of Karval.									
Kiowa County CO2017	24	1715MST	1.0	40	0	0	0	0	Tornado (F1)
A tornado was sighted just north of Eads.									
Crowley County CO2016	24	1723MST			0	0	5	5	Hail (2.75)
Baseball size hail pounded Sugar City, causing extensive roof damage. Hay and corn in the area were also destroyed.									
Crowley County CO2016	24	1723MST	0.5	40	0	0	0	0	Tornado (F1)
The same thunderstorm that produced large hail in Sugar City also spawned a brief tornado near the town.									
Bent County CO2017	24	1740MST	0.6	30	0	0	0	0	Tornado (F1)
A tornado was sighted 20 miles northeast of Las Animas.									
Adams County CO2012	25	1707MST			0	0	0	0	Hail (1.75)
Golfball size hail fell just east of Bennett.									
Arapahoe County CO2012	25	1709MST			0	0	4	5	Hail (1.75)
Golfball size hail fell just south of Strasburg. Cars were dented, and houses suffered siding damage. There was considerable crop damage in the area.									
Sedgwick County CO2013	27	afternoon			0	0	0	4	Hail (1.0)
Hail about an inch in diameter fell 5 miles south of Sedgwick, causing minor crop damage.									
Morgan County CO2012	28	1300MST			0	0	0	5	Hail (0.5)
Marble size hail damaged over 1300 acres of crops near Wiggins. It was the third damaging hailstorm in the area in only two weeks.									
Weld County CO2012	28	1313MST			0	0	0	0	Hail (0.75)
3/4 inch hail fell 10 miles northeast of Greeley.									
Washington County CO2012	28	1431MST			0	0	0	0	Hail (0.75)
3/4 inch hail fell near Akron.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	
<b>COLORADO</b>									
Denver County CO2011	28	1435MST			0	0	0	0	Tstm. wind (G62) A thunderstorm produced a wind gust measured at 62 mph on a PROFS recorder near Stapleton Airport.
Arapahoe County	28	1545MST	2	40	0	0	0	0	Tornado (F1) A tornado touched down 24 miles north-northwest of Limon. Observed by a PROFS chase team, it stayed on the ground until 1600MST.
Arapahoe County CO2 012	28	1640MST			0	0	4	5	Hail (0.75) 3/4 inch hail fell in Deer Trail, along with 1 1/2 inches of rain in 15 minutes. Several hundred acres of wheat were damaged, and many homes in the town had broken windows and damaged shingles. Out of 32,000 acres of crops in central portions of Adams and Arapahoe counties, 20,000 suffered damage from hailstorms during the last two weeks of June.
Weld County CO2012	28	1841MST			0	0	0	5	Hail (0.5) Marble size hail fell for 20 minutes 5 miles south of Roggen, causing extensive crop damage.
Clear Creek County CO2004	29				0	0	0	0	Snow An unseasonable snowstorm dropped 6 inches of snow on the summit of Mount Evans, closing the road up the mountain. The elevation of Mt. Evans is just over 14000 feet.
El Paso County CO2 014	30	afternoon			0	1	0	0	Lightning A woman was slightly injured by lightning near Ute Pass, just northwest of Manitou Springs.
Adams County CO2011	30	1433- 1438MST	2.2	30	0	0	0	0	Tornado (F1) A PROFS chase team observed a tornado 10 miles north-northeast of Watkins for a five-minute period. A post storm survey revealed a 2.2 mile path through wheat fields that was orientated west to east.
<b>6 CONNECTICUT</b>									
Litchfield County	13	1800EST- 1900EST			0	0	?	?	TSTM Wind  A severe thunderstorm accompanied by gusty winds resulted in a number of power outages as some trees were blown on power lines.
Litchfield County	13	1800EST- 1900EST			0	0	?	?	Hail (1.75) Golfball size hail was reported near Canaan.
Hartford County, Farmington	30	1600EST- 1630EST			0	0	3	0	TSTM Wind Gusty winds during a thunderstorm felled a number of trees in Farmington. Two cars were damaged by a large tree which fell at an intersection in the town. No injuries were reported.
<b>7 DELAWARE</b> ————— NONE REPORTED									
<b>8 FLORIDA</b>									
Okaloosa County, Crestview	04	0445CST 04 0445CST			0	0	4	0	Lightning Lightning started a fire which damaged a home. High wind damaged several stores and downed power lines and several trees.
Leon County, Tallahassee	04	1425EST			0	0	0	0	TSTM Wind (50) A wind gust of 50 knots was recorded at the Tallahassee Airport.
Leon County, Tallahassee	16	1600EST			0	0	4	0	Lightning Lightning started a fire in an office building.
Duval County, Jacksonville Beach	17	1800EST			0	0	0	0	Waterspout A waterspout was photographed just east of the city.
<b>FLORIDA</b>									
Volusia County, Deland	18	1445EST			0	0	0	0	Hail (1.75), TSTM Wind (50)
Seminole County: Longwood Casselberry	18	1600EST 18 1600EST			0	0	5	0	Lightning Lightning
Orange County, Orlando	18	1600EST			0	0	4	0	TSTM Wind (50)  Lightning started two house fires, both of which damaged houses. High wind blew a tree onto an unoccupied mobile home in Orlando. High wind blew down trees in Deland.
Pinellas County, 1 S Pinellas Park	18	2100EST	1.0	30	0	0	4	0	Tornado (F0) A tornado damaged an apartment complex roof and rain water damaged much of the interior of the building.
Manatee County, 10 E Bradenton	19	1720EST			1	0	0	0	Lightning A 34-year-old man was struck and killed by lightning. It was raining hard at the time. The man was standing between a house and an oak tree. M340
Marion County, Dunnellon	21	1550EST			0	0	3	0	TSTM Wind (65) High wind damaged four houses and three automobiles, and many old oak trees were destroyed due to damage from the wind.
Duval County, Jacksonville	21	1750EST 21 1750EST 21 1837EST	1.0	30	0	0	3	0	TSTM Wind (51) Hail (1.75) Tornado (F0) A tornado damaged a shopping center sign and several store windows. Power lines were downed by high wind.
St. Johns County, St. Augustine	22	1700EST 22 1700EST			0	0	0	0	Hail (1.75) TSTM Wind (55) High wind uprooted trees.
Polk County, Haines City	22	2010EST	0.2	30	0	0	0	0	Tornado (F0) A tornado touched down in an orange grove.
Volusia County, Pierson	24	1500EST			0	0	2	0	TSTM Wind (50) High wind damaged a porch roof and a mobile home roof. Several large trees were uprooted by high wind.
St. Lucie County: St. Lucie White City	25	1644EST 25 1644EST	1.0	30	0	0	3	0	Tornado (F0) Hail (1.75) A tornado damaged house shutters, automobile windshields, and the roof of a hospital. Trees were downed by the tornado, also.
Broward County, Pembroke Pines	25	1930EST	0.3	30	0	0	0	0	Tornado (F0) A tornado touched down in a cow pasture.
Volusia County, Deland	26	1312EST			0	0	0	0	TSTM Wind (55) A wind of 55 knots was recorded at Deland Airport.
Dade County, Miami	27	1625EST	0.2	30	0	0	0	0	Tornado (F0) A tornado did minor tree damage.
Broward County, Parkland	28	1400EST	0.4	30	0	0	1	0	Tornado (F0) A tornado caused minor damage to a house and downed several trees.
Broward County, Davie	28	1400EST	0.2	30	0	0	0	0	Tornado (F0) A tornado touched down in an open field.
Indian River County, Sebastian	28	1400EST			0	0	2	0	TSTM Wind (50) High wind blew part of a roof off a mobile home.
Polk County, Bartow	29	1840EST	2.0	30	0	1	3	0	Tornado (F0) A tornado damaged one house and did minor damage to several others. One person was injured by flying glass.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
<b>9 GEORGIA</b>									
Muscogee Co, Columbus	02			1	0				Heat
		A 63-year-old woman was found dead in a closed-window, unair-conditioned apartment. F63P							
Chattahoochee County	03	1308EST			0	0	?	?	Tstm.Winds Lightning Hail(0.88)
		Trees and power lines were downed by thunderstorm winds at Fort Benning. Nickel size hail fell. Ten soldiers were injured by a lightning strike on a tree they were near.							
Marion Co, Juniper	03	1317EST			0	0	?	?	Tstm.Winds Hail(0.75)
		Thunderstorm winds downed large trees and power lines near Juniper. Dime size hail fell from the storm.							
Talbot County	03	1330EST			0	0	?	?	Tstm.Winds
		Thunderstorm winds downed several trees on farms between Box Springs and Geneva.							
Muscogee Co, Columbus	03	1345EST			0	0	4	?	Tstm.Winds Hail(0.75)
	03	1345EST			0	0	?	?	Lightning
	03	1345EST			0	0	?	?	Lightning
		Numerous trees and power lines were downed in scattered locations in Columbus due to thunderstorm winds. Lightning strikes caused damage to several buildings and caused additional power outages. Dime size hail fell around the city.							
Richmond Co, Augusta	03	1430EST			1	3	0	0	Lightning
		Lightning struck a construction site in southern Augusta killing one worker and injuring 3 others. M180							
Rockdale Co, Conyers	03	1626EST			0	0	?	?	Tstm.Winds
Fayette County	03	1627EST			0	0	?	?	Tstm.Winds
DeKalb Co, 25 Lithonia	03	1635EST			0	0	0	0	Hail(0.75)
Henry Co, Stockbridge	03	1635EST			0	0	?	?	Tstm.Winds
Clayton Co, Morrow	03	1645EST			0	0	?	?	Hail(0.75)
		A cluster of thunderstorms produced scattered wind damage, mainly to trees and power lines from Conyers to Peachtree City. Intense lightning was with the storms, but produced insignificant damage. Hail to 3/4 of an inch in diameter fell in Morrow and covered the ground south of Lithonia. Trees were downed in Conyers, Stockbridge, and Peachtree City.							
Gwinnett Co, Stone Mountain	03	1715EST			0	1	0	0	Lightning
		Lightning struck a tree and injured a woman who was shutting a nearby metal gate.							
Gwinnett Co, Lawrenceville	03	1732EST			0	0	?	?	Hail(0.75)
Gwinnett Co, Snellville	03	1735EST			0	0	4	0	Lightning
	03	1755EST			0	0	?	?	Tstm.Winds
		Hail of up to 3/4 inch in diameter fell in Lawrenceville. Lightning knocked down a large tree which fell on a house in Lawrenceville. A short time later, thunderstorm winds downed trees near Snellville.							
Cook Co, 6E Adel	03	1735EST			0	0	3	?	Tstm.Winds
		Thunderstorm winds downed several trees and power lines, and damaged the roofs on farm buildings along Highway 76 in the east part of the county.							
Wheeler County	03	1745EST			0	0	?	?	Tstm.Winds
		Two trees were blown down across Highway 280 south of Alamo.							
Cook County	03	1828EST			0	0	?	?	Tstm.Winds
		A few trees were downed in western Cook County by thunderstorm winds.							
Colquitt County	03	1830EST			0	0	?	?	Tstm.Winds
		Thunderstorm winds downed numerous trees and power lines in Little River Park in the east part of the county.							
Appling Co, 12E Baxley	04	1415EST			0	0	0	?	Hail(2.0)
		Hail up to the size of hen eggs damaged crops and gardens in a small area 12 miles east of Baxley.							
Lowndes Co, SW Valdosta	04	1555EST			0	0	0	0	Tstm.Winds
		Winds to 69 mph were reported 5 miles west of Valdosta.							
<b>— GEORGIA</b>									
Macon Co, Montezuma	16	1328EST			0	0	3	0	Tstm.Winds
		Thunderstorm winds destroyed a large utility type building and damaged the roof of an apartment building on the south side of Montezuma.							
Peach County	16	1415EST			0	0	3	0	Tstm.Winds
		Thunderstorm winds rolled a trailer off its foundation and downed several trees near the Perry-Port Valley Airport.							
Fayette Co, Peachtree City	18	1715EST			0	0	?	?	Tstm. Winds
		Thunderstorm winds downed a few trees in Peachtree City.							
Houston County	18	1750EST			0	0	?	?	Tstm. Winds Flash Flood
		Thunderstorm winds downed a tree and destroyed a large outdoor sign near Warner Robins. Roads were flooded by a nearly stationary storm that produced very heavy rain in the southern part of the county.							
Lowndes Co, Lake Park	18	2015EST			0	0	?	?	Tstm. Winds
		A tree was blown down over power lines in Lake Park, 10 miles southeast of Valdosta.							
Jenkins County	19	1745EST			0	0	?	?	Hail(1.75)
		Golfball size hail fell between Millen and Waynesboro on U.S. Highway 25.							
Appling Co, Baxley	19	1935EST					?	?	Tstm.Winds
		Trees and power lines were downed by thunderstorm winds on the south side of Baxley.							
Ware Co, Waycross	20	1515EST			0	0	?	?	Tstm.Winds(50)
		Thunderstorm winds gusted to 58 mph in Waycross.							
Floyd Co, Rome	21	1900EST			0	0	?	?	Tstm.Winds
		Thunderstorm winds downed a few trees in southern Rome.							
Whitfield Co, Cohutta	22	1915EST			0	0	3	0	Tstm.Winds
		Thunderstorm winds downed trees and destroyed a roof in Cohutta.							
DeKalb County	24	1815EST			0	1	0	0	Lightning
		Lightning hit a tree and injured a 10-year-old girl that was playing by a nearby fence.							
Hall County	24	1840EST			0	0	3	0	Tstm.Winds
		An apparent microburst created a damage path that started out only 50 feet wide but spread out over a 3 mile area near the Gainesville airport. A building under construction was damaged, and scattered damage to roofs was reported throughout the area. Many trees were uprooted and snapped off. One tree fell on and damaged a mobile home.							
Fulton County	24	1850EST			0	1	0	0	Lightning
		Lightning struck and injured a 22-year-old man working on a construction project in northeast Atlanta.							
Chatham County	25	1925EST					0	0	Funnel Clouds
		Three funnel clouds were sighted north of the Savannah airport.							
Bibb County	26	1650EST					?	?	Tstm.Wind
		Thunderstorm winds snapped off a large tree in the northern part of the county. A few power lines were downed in the same area.							
Cobb Co, Marietta	26	1800EST			0	0	3	0	Tstm.Winds
		Many trees were blown down and siding torn off a house by thunderstorm winds in Marietta.							



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					KILLED	INJURED	PROPERTY	CROPS	
<b>10 IDAHO</b>									
Shoshone Co., Pinehurst	5	1130MST	0.1	10	0	3	3	0	Tornado (F0)
									A funnel cloud touched down briefly on a street fair, tossing 40 lb. objects about, damaging two booths and three automobiles. Several persons were injured slightly by flying objects.
Twin Falls Co., Castleford	5	1245MST			0	0	4	0	Lightning
									A large electrical box was destroyed by lightning at the Castleford High School.
Twin Falls Co. and Cassia Co.	5	1300MST			0	0	0	4	Lightning
									Lightning set three range fires in Idaho and three in adjacent portions of Elko Co., Nevada. The largest fire burned 250 acres at the Lake Channel Wildlife Refuge.
Fremont Co., Island Park	5	1630MST			0	0	0	4	Thunderstorm Wind
									Lodgepole pines were downed near Island Park.
Twin Falls Co., Twin Falls	7	1525MST			0	0	0	0	Funnel cloud and Heavy Rain
									Ponding occurred from .82 inches of rain in 17 minutes.
Kootenai Co., Coeur d' Alene	8	1300PST			0	0	0	0	Funnel cloud
Bannock Co., Pocatello	8	1530-1630MST			0	0	4	0	Flash Flood
									A half inch of rain in 30 minutes put several feet of water into the Center Street underpass. Two injuries in automobile accidents were rain related. Several home basements flooded.
Teton Co., Driggs	9	1300MST			0	0	0	0	Funnel cloud
									A funnel cloud was spotted five miles south of the Driggs airport.
Owyhee, Ada, Gem, Canyon, Elmore, Boise, Payette, Valley, Idaho, Nez Perce, Latah, Clearwater, and Shoshone Counties	14	1300-2330MST			0	0	5	4	Lightning
									Afternoon and evening thunderstorms set 103 fires, mostly wildland, and caused numerous power outages from lightning and wind-thrown trees.
Owyhee Co., Bruneau SSE	14	1630MST			0	0	5	0	Lightning
									Lightning set Browns Creek fire which burned 58,000 acres of grass and brush before it was controlled on June 16.
Gem Co., Sweet	14	1700MST			0	0	4	0	Thunderstorm wind
									Trees were felled. The roof was blown off a house. A patio roof was wrapped around a power pole. Camper vehicles were damaged by flying debris.
Idaho Co., Grangeville	14	1730PST			0	0	4	0	Thunderstorm wind
									Wind toppled trees and power lines.
Idaho Co., Grangeville SE	14	1745PST			0	1	4	0	Flash flood
									Heavy rains set off a rock and mud slide onto Highway 14 near Castle Creek, smashing a window of an automobile and injuring the driver. The slide felled some large Ponderosa Pines, damaging a half-mile of power lines and cutting the power to Elk City.
Clearwater Co., Weippe	14	1830PST			0	0	4	0	Thunderstorm wind
									Wind toppled trees causing a three-hour power outage. A barn burned to the ground after it was struck by lightning.
Shoshone Co., Dobson Pass	14	2000 PST			0	0	4	0	Thunderstorm wind
									Strong winds felled trees. Lightning caused a power outage.
<b>— IDAHO</b>									
Shoshone Co., Wallace/Osburn	14	2000PST			0	0	0	0	Hail (.75)
									A few large hail stones fell, but no damage was reported.
Canyon Co., Nampa	15	1400MST			0	5	7	5	Hail (1.50)
									Five new-car dealers reported extensive damage to almost every car on their lots from golfball-sized hailstones. Many window panes were broken. Scattered power outages lasted until 2300MST. Satellite pictures showed that the point of a large cone-shaped, long-lived storm moved northeastward out of Oregon across Nampa into Montana. Hail damage was estimated to be near \$10 million in Nampa.
Payette Co. and Washington Co., Weiser 14N	15	1400MST			0	0	3	6	Thunderstorm wind
									Windthrown trees caused power outages. Large hail caused extensive damage to fruit.
Canyon, Ada, Valley, Gem, and Adams Counties	15	1400MST			0	0	5	0	Thunderstorm wind
									Windthrown trees and toppled power poles caused power outages. Lightning started a large wildfire in Ada County north of Eagle. High winds caused scattered roof and structural damage.
Owyhee Co.	15	1430MST			0	0	4	0	Thunderstorm wind
									Thunderstorm downdraft winds caused blowups of the 50,000 acre Brown Creek fire and the 30,000 acre Indian Tub fire. These fires were started by lightning on the 14th and were in mop-up stage at the time of the downdraft.
Elmore Co., Mountain Home	15	1430MST			0	0	5	0	Thunderstorm wind and Lightning
									Three power line towers were destroyed by lightning. Wind knocked down a power line which ignited a 3000 acre fire north of Mountain Home.
Boise Co., Idaho City	15	1500MST			0	1	3	0	Thunderstorm wind
									Wind blew a sturdy woodshed wall onto a woman. Ten men lifted the wall off of her.
Gem Co., Sweet	15	1500MST			0	0	4	0	Thunderstorm wind
									Wind gusts ripped the roof and siding off of a home, spreading timbers and roofing 200 yards. Flying debris damaged a travel trailer and a camper.
Lenhi Co., Salmon	15	1500-1504MST	0.1	20	0	0	5	4	Tornado (F1)
									A tornado damaged five homes, destroyed a barn, and lifted a metal shed 100 feet in the air depositing it 100 yards away. Fruit trees were uprooted. Lightning started six fires in the adjacent Salmon National Forest.
Latah Co., Moscow; Lewis Co., Lewiston	15	1520PST			0	0	4	0	Thunderstorm wind and Hail (.50)
									Winds uprooted trees and damaged roofs. Power outages occurred due to trees on lines and lightning striking transformers. Heavy rains overwhelmed a drain in Moscow, causing curb deep street flooding. The temperature dropped 20 degrees in a few minutes.
Clearwater Co., Headquarters	15	1620PST			0	0	6	0	Thunderstorm wind
									Clearwater National Forest reported between 7 and 8 million board feet of lumber downed by a violent windstorm. Many trees were twisted off some 20 to 30 feet above the ground. Some roofs were damaged. Falling trees cut power lines. Lightning struck a radio repeater station, destroying radio transmitters of three agencies. Lightning set 22 fires in the Clearwater National Forest on the 14th and the 15th.
Shoshone Co., Avery and Pinehurst	15	1630PST			0	0	5	0	Thunderstorm wind
									The Loop Creek drainage of the North Fork of the St. Joe River had extensive timber blowdown. Lightning caused power outages at Pinehurst.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>IDAHO</b>									
Kootenia Co., Post Falls and Cataldo	15	1630 PST			0	0	4	0	Lightning
									Lightning caused scattered power outages and set two brush and timber fires.
Bonner Co., Priest River	15	1745PST			0	0	4	0	Thunderstorm wind
									A falling tree cut a 20,000 volt primary line.
Boundary Co., Bonners Ferry	15	1800PST			0	0	4	0	Thunderstorm wind
									Lightning and falling trees caused power outages.
Madison Co., Ririe	29	1245-1247MST	0.1	10	0	0	3	0	Tornado (F0)
									A whirling brown funnel cloud touched down on Main Street while making a whistling sound.
Twin Falls Co., Roseworth 10N	30	1645MST			0	0	5	0	Flash flood
									A quarter mile of the Lilly Grade road was washed out.
<b>ILLINOIS</b>									
La Salle Co, Princeton	01	0830CST			0	0	3	0	Lightning
									Lightning struck and destroyed a chimney, and also blew a 2-foot hole in the roof. Bricks from the chimney were thrown 150 feet.
Vermilion Co.	01	1245-1310CST			0	0	0	0	Funnel cloud
	01	1325-1340CST	3	1000	0	0	0	5	Hail (1.75)
									A severe thunderstorm produced a variety of damaging weather conditions across the county. Several funnel clouds, none of which ever touched down, were reported by Illinois State Police in the vicinity of Armstrong and Pontiac, or 12 NW Danville. Two small tornadoes (separate entries below) also occurred. Large hail caused extensive crop damage just north of Danville. In an area 2 to 4 miles north of Danville, hail covered the ground to a depth of two inches. Some hailstones were golf ball sized. Trees were stripped of their leaves, and 5000 acres of corn and soybeans were totally destroyed.
Vermilion Co, 12 NW Danville	01	1250CST	.2	narrow	0	0	0	3	Tornado (F0)
									A small weak tornado, reported by Illinois State Police, touched down briefly in an open area near Potomac, 12 NW Danville. Only minor damage was done to field crops.
Vermilion Co, 10 NW Danville	01	1253CST	.5	narrow	0	0	0	4	Tornado (F0)
									A second small weak tornado in the same thunderstorm touched down in a cornfield 2 N and 2 W of Collision.
Lee Co, Dixon	02	0110CST			0	0	4	0	Tstm. wind
									Thunderstorm winds damaged trees and power lines. Utility damages were estimated at \$5000.
Coles Co, Mattoon	02	1115CST			0	0	5	?	Tstm. wind (61)
					0	0	3	4	Hail (.4)
									Winds estimated at 70 mph and accompanied by small hail caused property and crop damage in south and west portions of Mattoon and surrounding rural areas. Trees downed by wind damaged several cars.
Morgan Co, Jacksonville	02	1125CST			0	0	?	?	Hail (1.25)
McDonough Co, Macomb	02	1135CST			0	0	3	0	Tstm. wind (61)
	02	1135CST			0	0	0	4	Hail
									Small hail accompanied by 70mph winds downed trees and damaged crops in southern portions of the county.
DeWitt Co, Weedland	02	1152CST			0	0	0	0	Funnel cloud
Platt Co, Cisco area	02	1210CST			0	0	3	4	Hail (1.3)
									Two areas of hail, one 1 mile N of Cisco and the second 1/4 mile south of Cisco, resulted in slight property and considerable crop damage. Aluminum-sided buildings were dented.
Sangamon Co.	02	1210-1245CST			0	0	3	5	Hail (1.00)
									Hail, over one inch in diameter at many locations, fell across the county. Reports included: 1" at Sherman; 1.00" at Springfield; .75" in rural areas just north of Springfield.
Champaign Co, St. Joseph	02	1247-1330CST			0	0	3	0	Tstm. wind
	02	1247CST			0	0	0	0	Funnel Cloud
									Winds caused minor structural damage and downed a few trees. A tornado (next entry) also occurred with the storm.
Champaign Co, St. Joseph	02	1312CST	.1	narrow	0	0	4	0	Tornado (F2)
									A tornado demolished one house, leaving surrounding homes undisturbed.
Mason Co, Mason City	02	1300CST	.1	narrow	0	0	0	0	Tornado (F0)
Pike Co, Pittsfield	02	1310CST			0	0	2	?	Hail (0.75)
									Hail damaged the windshield of a pickup truck.
McLean Co, Hayworth	02	1313CST	.1	narrow	0	0	0	0	Tornado (F0)
Vermilion Co: northeast portion Danville	02	1315CST			0	0	0	4	Hail (1.00)
	02	1325CST			0	0	?	0	Tstm. wind (5?)
	02	1325CST			0	0	0	0	Funnel cloud
									Hail in rural areas of northeast Vermilion county damaged field crops. Thunderstorm winds were measured at 57 knots at Danville.
Calhoun Co, Belleville	02	1325CST			0	0	4	0	Tstm. wind
									Wind unroofed a portion of the Scott-North Elementary School.
Tazewell Co, 5 NE Minier	02	1330CST	.1	narrow	0	0	0	0	Tornado (F0)
									A brief tornado occurrence in open country caused no damage.
Adams Co, Plainville	02	1340CST	1.5	40	0	0	3	0	Tornado (F1)
									A tornado touched down in a field just south of Plainville, crossed IL Sts 96, and passed through the Earl Hughes farm. The twister moved near the farm house, but did not directly strike any buildings. Minor damage from wind and flying debris occurred to the house and other nearby structures, as well as to a camper truck. Several trees were also destroyed. Witnesses who saw the tornado from beginning to end said it was on the ground about one and a half miles. Although short-lived, the tornado's appearance was spectacular as it moved across a farm field.
Douglas Co.	02	1345CST			0	0	4	?	Tstm. wind
									Thunderstorm winds knocked down utility poles at scattered locations across the county. A tornado also occurred (next entry).
Morgan Co, Jacksonville	02	1345-1400CST			0	0	?	?	Hail (.75)
Douglas Co, Hindsboro	02	1350CST	.7	50	0	0	5	0	Tornado (F1)
									A tornado caused \$280,000 damage to farm equipment and buildings just northeast of Hindsboro.
Montgomery Co, 4 N Litchfield	02	1555CST			0	0	?	?	Tstm. wind
									Small hail and high winds damaged trees in the area.
Clinton Co, Hoffman	02	1600CST			0	0	?	?	Hail (1.75)
Coles Co, Mattoon	02	1634CST			0	0	3	0	Tstm. wind
									Trees and power lines were downed.
Shelby Co, Strasburg	02	1646CST			0	0	0	0	Funnel cloud
									A funnel cloud was seen briefly just north of Strasburg.
Marion Co, Salem	02	1800CST			0	0	?	?	Tstm. wind
									Thunderstorm winds damaged trees in the community.
DuPage, Cook and Kane Counties	11	1850-1925CST			0	0	5	?	Tstm. wind (70)
									An intense thunderstorm moved across DuPage, Kane and Cook counties, producing damaging winds. Woodridge (extreme south DuPage County) experienced the brunt of the storm where localized wind gusts were estimated to have reached 80mph. Toppled trees damaged a few cars and houses, and winds resulted in some minor structural damage in Woodridge. 6000 electric utility customers lost power in Elgin (Kane Co.) and Glen Ellyn (DuPage Co.). Elsewhere, damage resulted mainly from scattered fallen trees. Flood-prone expressways in Chicago experienced temporary high water from 1 to 2 inches of rain which fell in an hour's time.
Edwards Co, Albion	12	0830CST			0	0	5	0	Lightning
									A lightning-caused fire destroyed a machine shop and a car.
Clark Co, Westfield	13	1410-1435CST			0	0	3	0	Tstm. wind
									Thunderstorm winds toppled trees and caused minor property damage in town. A small tornado (next entry) also occurred in association with the storm.
Clark Co, 2 SE Westfield	13	1415CST	?	?	0	0	0	0	Tornado (F0)
									A tornado occurrence in open country caused no damage.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS		
<b>ILLINOIS</b>										
Vermilion Co. Homer	13	1412CST			0	0	3	?	Tstm. wind (52)	Trees and power lines were downed in the area just south of Homer. One-half inch hail fell at Homer. A tornado also occurred with this thunderstorm (next tornado entry).
Vermilion Co.	13	1413CST			0	0	0	0	Funnel cloud	State police sighted a funnel cloud between Allerton and Sidell.
Vermilion and Edgar Counties	13	1425CST	2.0	?	0	0	0	0	Tornado (FO)	A tornado first touched down 1 SE Allerton (Vermilion Co.), then moved southeast to near Palermo (Edgar Co.). State police reported that the tornado left a rut in the ground, but caused no other damage.
Edgar Co., Paris	13	1450CST			0	0	4	4	Istm. wind (63)	Seventy-two mph winds caused considerable damage in and around Paris. Five hangars and 2 airplanes were damaged at the municipal airport. Corn in surrounding areas was flattened.
Macon Co., Decatur	13	1900CST			0	0	3	0	Tstm. wind	Winds downed trees and power lines in western sections of Decatur.
Washington Co. Nashville	16	1405CST			0	0	?	?	Hail (1.75)	
Massac Co. near Daw 32	16	1430CST			1	2	0	0	Lightning	Lightning struck a tree under which three people had sought shelter. One person was killed, the others were injured. M410
Jefferson Co. Mt. Vernon	16	1452CST			0	0	4	0	Lightning	Lightning struck the steeple of the First Baptist Church.
Madison Co. Highland	16	1615CST			0	0	4	3	Lightning	Lightning started three fires in the Highland area; total damage was about \$40,000. A wheat field was also briefly set afire, before rain extinguished the blaze.
Grundy Co. 2 NW Gardner	20	afternoon			0	0	0	0	Funnel cloud	
Kankakee Co., Mowence	20	evening			0	0	4	0	Lightning	A lightning-caused fire resulted in \$40,000 damage to a house.
Wabash Co. Mt. Carmel	22	afternoon			0	0	?	?	Tstm. wind	Scattered trees were downed mainly in the north and east sides of town. No damage was reported.
Du Page Co., Aurora	25	0640CST			0	0	3	0	Lightning	Lightning struck the corner of the tower on the Wesley United Methodist Church.
Kankakee Co. Manteno	25	1000CST			0	0	3	0	Tstm. wind	Wind ripped open the roof of the Ramco Ribbons's building near Manteno.
Champaign Co. Champaign	25	1102CST			0	0	0	0	Istm. wind (50)	
St. Clair Co. Beleville	25	1150-1237CST			0	0	3	0	Tstm. wind	
		1150CST			0	0	3	0	Lightning	Lightning struck a transformer, knocking out electric power to 20,000 users. Winds downed a few trees and wires.
Jackson Co. NW of Carbondale	28	1607CST			0	0	0	0	Funnel cloud	
Jackson Co. Carbondale	28	1636CST			0	0	0	0	Funnel cloud	
Iroquois Co.	29	1330CST			0	0	4	?	Tstm. wind (52)	Strong thunderstorm winds caused scattered damage across southern portions of the county. At 4 miles east of Milford, winds estimated at 60 mph destroyed a garage, tool shed, and large barn.
Champaign Co.	29	1504-1550CST			0	5	4	?	Tstm. wind (50)	Thunderstorm winds, occasionally accompanied by pea size hail, caused damage at scattered locations across the county. At Savoy (1504CST), three houses under construction were wrecked, injuring 5 persons. Fifty mph winds toppled power lines at Mahomet (1531CST) and damaged one roof (1540CST). Champaign experienced downed lines at 1549CST, and considerable street flooding. At 1550CST, wind equipment at Chanute Air Force Base at Rantoul measured winds of 58mph.
Grundy Co.	30	1335-1455CST			0	0	0	0	Funnel clouds	A total of ten funnel clouds were reported by police agencies and by the public across south and east portions of the county.
<b>12 INDIANA</b>										
Newton Co. Foresman	1	1230 EST			0	0	0	?	Hail (1.75)	
Benton Co. Otterbein	1	1330 EST			0	0	0	?	Hail (2.75)	
Tippecanoe Co. Lafayette	1	1430 EST			0	0	0	?	Hail (1.75)	
15 Clarks Hill	1	1455 EST			0	0	0	?	Hail (1.75)	
Clinton Co. Colfax	1	1502 EST			0	0	0	?	Hail (1.75)	A strong thunderstorm which intensified to severe limits in Benton County produced very large hail as it moved southeast through Tippecanoe County and into Clinton County. Hail reports ranged from 1/2 to 3/4 inches in diameter on the small side to as large as golf ball and baseball size hail. The storm weakened after it moved into Boone County.
Warren Co. SW Covington	1	1455 EST			0	0	0	?	Hail (1.75)	
Clinton Co. 15 Manson	1	1512 EST			0	0	0	0	TSTM Wind	A large tree, 2 1/2 feet in diameter, was uprooted by a strong thunderstorm which also produced 1/2 inch hail.
Fountain Co. 4W Kingean	1	1530 EST			0	0	?	?	TSTM Wind	
4W Kingean	1	1600 EST			0	0	0	?	Hail (1.75)	Strong winds ahead of a thunderstorm downed trees west of Kingean. Large hail fell out of the trailing part of the storm.
Jasper Co. Benotte	2	1251 EST			0	0	0	?	Hail (1.75)	
Warren Co. Williamsport	2	1500 EST			0	0	0	0	TSTM Wind, Hail (.75)	A strong thunderstorm downed 2 trees and produced 3/4 inch hail in Williamsport.
Whitley Co. 2S South Whitley	2	1520 EST			0	0	1	2	TSTM Wind, Hail (1.00)	Nickel size hail and 60 mph winds were reported by the South Whitley Police Department. A telephone pole was broken off, and several established apple trees were blown down.
Clinton Co. 1N Mulberry	2	1556 EST	2	narrow	0	0	0	?	Tornado (FO)	A small tornado touched down in a field 1 mile north of Mulberry. Amateur radio operators who investigated the storm followed the path of the tornado for 2 miles in corn and soybean fields. Other than the damage to the crops, only heavy rain was reported with the tornado.
Vermilion Co. Ferrysville	2	1643 EST			0	0	0	0	TSTM Wind	
Tippecanoe Co. Odell	2	1647 EST			0	0	0	0	TSTM Wind	
Fountain Co. Kingean	2	1655 EST			0	0	0	0	TSTM Wind	Two cells in a small area of thunderstorms over west-central Indiana developed to severe limits and downed trees at several locations.
Putnam Co. SW Greencastle	2	1745 EST			0	0	0	0	TSTM Wind	
Beaumont	2	1750 EST			0	0	0	0	TSTM Wind	Strong thunderstorm winds downed trees.
Hendricks Co. Brownsburg	2	1800 EST	.5	narrow	0	0	0	0	Tornado (FO)	At the intersection of State Road 267 and Interstate 74 on the north side of Brownsburg, a small tornado briefly touched down but did no damage.
Hamilton Co. Hortonville	2	1815 EST			0	0	0	0	Hail (1.5)	
Clarksville	2	1820 EST			0	0	0	0	Hail (1.75)	
Noblesville	2	1830 EST			0	0	0	0	Hail (1.0)	
Madison Co. Lapel	2	1940 EST			0	0	0	0	TSTM Wind	Strong thunderstorm winds downed trees.
Randolph Co. Winchester	2	1950 EST			0	0	6	?	Flash Flooding	Thunderstorms with heavy rain dropped 4 to 5 inches of rain in a short period of time in Winchester. Thirty-five to fifty people were evacuated from a trailer park where the water was waist deep. Most of the town of Winchester was under knee-deep water.

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JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS			
<b>INDIANA</b>										<b>INDIANA</b>											
Johnson Co, IN Providence	2	2118 EST			0	0	4	?	TSTM Wind	Vernillion Co, Danna	13	1614 EST			0	0	0	0	TSTM Wind		
									Strong thunderstorm winds destroyed a barn and downed power poles.	Parke Co, Montezuma	13	1617 EST			0	0	0	0	TSTM Wind		
Monroe Co, IN Harrodsburg	2	2135 EST			0	0	4	0	TSTM Wind											Strong thunderstorm winds downed trees.	
									Damaging microburst winds uprooted and snapped about 30 large trees over an area 1 mile in length and 1/2 mile wide. Tree diameters varied from 2 to 4 feet. Several homes and a mobile home were damaged when trees fell on them. Power lines were downed.	Vigo Co, Terre Haute	13	1625 EST			0	0	4	0	TSTM Wind		
Brown Co, Stone Head	2	2200 EST			0	0	5	0	TSTM Wind											Numerous trees were uprooted or snapped and large tree limbs were blown down by strong thunderstorm winds over northern and central sections of Vigo County, including Terre Haute. Three homes and several parked vehicles were damaged by fallen trees. Power lines were down throughout the city.	
									Intense damaging winds (several microbursts) uprooted and snapped about 50 trees over an area 3 miles long and 3/4 of a mile wide around Stone Head and Pike's Peak. One tree 4 feet in diameter snapped through the center of a home. Four other homes in the area were damaged by fallen trees or tree limbs. The size of the trees varied from 2 to 4 feet. Power lines were also down.	Jackson Co: 4W Medora Sparksville	13	1635 EST			0	0	0	0	TSTM Wind		
Bartholomew Co: Ogilville	2	2215 EST			0	0	4	0	TSTM Wind		13	1645 EST			0	0	0	0	TSTM Wind		
Waynesville	2	2220 EST			0	0	4	0	TSTM Wind											Strong thunderstorm winds downed trees near Medora and uprooted trees near Sparksville.	
Azalia	2	2230 EST			0	0	4	0	TSTM Wind	Washington Co, Salem	13	1635 EST			0	0	3	0	TSTM Wind		
									Microbursts in Bartholomew County occurred near Ogilville, Waynesville, and Azalia. Many trees were uprooted and snapped. Some homes were damaged by fallen trees. Power lines were down throughout the area.											Strong thunderstorm winds blew trees and power lines down near Salem. Shingles were blown off the roof at the Salem Airport. Small sheds were overturned.	
Decatur Co, 1S Sardinia	2	2240 EST			0	0	0	0	TSTM Wind	Clay Co: Staunton Center Point Coalport	13	1649 EST			0	0	0	0	TSTM Wind		
Jennings Co, 6N North Vernon	2	2250 EST			0	0	0	0	TSTM Wind		13	1655 EST			0	0	0	0	TSTM Wind		
									A few large trees and tree limbs were snapped along the Decatur/Jennings county line.		13	1700 EST			0	0	0	0	TSTM Wind		
Ripley Co, Osgood	2	2305 EST			0	2	5	0	TSTM Wind	Owen Co, 3W Vandalia	13	1715 EST			0	0	0	0	TSTM Wind		
									Damaging microburst winds uprooted and snapped 20 to 30 large trees 2 to 4 feet in diameter in Osgood. Some homes were damaged by fallen trees and tree limbs. One mobile home was completely destroyed while a second received moderate damage. Flying glass in homes caused 2 injuries. High winds broke glass at several downtown businesses.											Strong thunderstorm winds downed trees 2 to 5 miles west of Vandalia.	
Dearborn Co: Chesterville	2	2310 EST			0	0	0	0	TSTM Wind	Orange Co, Paoli	13	1730 EST			0	0	2	0	Hail (1.75)		
IN Greendale	2	2325 EST			0	0	0	0	TSTM Wind											Hail the size of golfballs fell in Paoli. Numerous trees were blown down throughout Orange County.	
									Strong thunderstorm winds downed trees in Chesterville, about midway between Moores Hill and Chesterville, and just north of Greendale.	Hamilton Co: Westfield Westfield	15	1511 EST			0	0	0	0	Hail (1.0)		
Harrison Co, Corydon	9	1620 EST			0	0	2	0	TSTM Wind		15	1520 EST			0	0	0	0	TSTM Wind		
									Large trees were blown down just northeast of Corydon.	Madison Co, Several locations	15	1530 EST			0	0	0	0	Hail (1.0)		
Parke Co, Marshall	12	1420 EST			0	0	0	0	TSTM Wind											Pea to nickel size hail fell in Madison County between 1530 and 1545 EST.	
									Strong thunderstorm winds uprooted trees in Marshall.	Delaware Co, Muncie	15	1539 EST			0	0	0	0	Hail (0.75)		
Putnam Co: Fincastle	12	1435 EST			0	0	0	0	TSTM Wind	Marion Co: Lawrence 4NE Brownsburg	15	1610 EST			0	0	0	0	Hail (1.25)		
Bainbridge	12	1440 EST			0	0	0	0	TSTM Wind		15	1622 EST			0	0	0	0	Hail (1.00)		
									Strong thunderstorm winds downed trees and large tree limbs in Fincastle and Bainbridge. U.S. Highway 36 near Bainbridge was closed due to fallen trees.											Nickel to half dollar size hail fell across northern Marion County.	
Owen Co, 3N Spencer	13	1500 EST			0	0	0	0	TSTM Wind	Boone Co, Zionsville	15	1615 EST			0	0	5	0	Lightning		
									Strong thunderstorm winds downed trees and power lines.											A fire which started when lightning struck a home in Zionsville caused \$90,000 in damage.	
Monroe Co: Ellettsville	13	1515 EST			0	0	4	0	TSTM Wind	Hendricks Co, 3NW Danville	15	1646 EST	short	narrow	0	0	4	0	Tornado (F1)		
Bloomington	13	1535 EST			0	0	4	0	TSTM Wind											A tornado touched down 3 miles northwest of Danville and struck a pig farm. The barn was completely flattened and several pigs were lifted in the air. Two pigs were killed and others were injured. The roof of the farmhouse was partly blown off, and the exterior of the house was extensively damaged.	
Sanders	13	1550 EST			0	0	0	0	TSTM Wind	Vanderburgh Co, Evansville	22	1800 EST			0	0	0	0	TSTM Wind		
									Strong thunderstorm winds downed trees and large tree limbs near Ellettsville. A few homes in Ellettsville were damaged by fallen trees. In Bloomington the roof of an apartment building was damaged by high winds, and numerous trees were snapped. In Sanders and Smithville several trees were uprooted.												Power lines were downed by thunderstorm winds of 50 mph.
										Warrick Co.	22	1800 EST			0	0	0	0	TSTM Wind		
																				Strong thunderstorm winds of 60 mph blew down road signs.	

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>INDIANA</b>									
Montgomery Co, Odell	29	0930 EST	0	1	0	0	0	0	Lightning
									A 13-year-old boy was injured when struck by lightning as he worked detassling corn.
Benton Co, Dunnington	29	1520 EST	0	0	0	0	0	0	TSTM Wind
									Strong thunderstorm winds downed trees.
Tippecanoe Co, Lafayette	29	1605 EST	0	0	0	0	0	0	TSTM Wind
									Strong thunderstorm winds downed trees and power lines.
White Co, Burnettsville	29	1615 EST	0	0	0	0	0	0	TSTM Wind
									Strong thunderstorm winds downed trees on U.S. 24.
Cass Co, Logansport	29	1630 EST	0	0	0	0	0	0	TSTM Wind
									Strong thunderstorm winds downed trees.
Miami Co, Mead	29	1630 EST	0	0	0	0	0	0	TSTM Wind
									Strong thunderstorm winds uprooted 4 trees.
Howard Co, New London	29	1658 EST	0	0	0	0	0	0	TSTM Wind
Kokomo	29	1702 EST	0	0	0	0	0	0	Hail (0.75)
Kokomo	29	1705 EST	0	0	0	0	0	0	TSTM Wind
Greentown	29	1710 EST	0	0	0	0	0	0	TSTM Wind
									Strong thunderstorm winds downed trees. Also, large hail fell.
Huntington Co, SSW Huntington	29	1707 EST	0	0	0	0	0	0	TSTM Wind
									Sixty mph winds were reported.
Marion Co, Indianapolis	29	1710 EST	0	1	5	0	0	0	TSTM Wind
									Strong thunderstorm winds downed trees in a 5-block area of north-central Indianapolis and damaged the roofs of 4 apartment buildings on the city's northeast side. A man who was fishing in the White River was struck by a falling tree limb which broke his leg and injured his back and neck.
Wells Co, Bluffton	29	1735 EST	0	0	2	0	0	0	TSTM Wind
									Strong thunderstorm winds downed trees.
Huntington Co, Warren	29	1745 EST	0	0	2	0	0	0	TSTM Wind
									Strong thunderstorm winds downed trees in Warren where 60 mph winds were reported.
Montgomery Co, Crawfordsville	29	1745 EST	0	0	5	0	0	0	TSTM Wind
									Strong thunderstorm winds downed trees in Crawfordsville. Homes were damaged and a dozen cars were destroyed.
Jay Co, Portland	29	1815 EST	0	0	0	0	0	0	Hail (0.75)
Hendricks Co, Danville	29	1835 EST short narrow	0	0	0	?	0	0	Tornado (F0)
									A tornado touched down briefly in a corn field near Danville around the intersection of U.S.36 and County Road 200 East. One tree was knocked over 1 mile west of Danville on U.S. Highway 36.
Marion Co, Indianapolis	29	1855 EST	0	0	0	0	0	0	TSTM Wind
									Strong thunderstorm winds downed trees and large limbs on the east side of Indianapolis.
Henry Co, Summit and Cadiz	29	1910 EST	0	0	0	0	0	0	TSTM Wind
									Strong thunderstorm winds downed trees at Summit and Cadiz.
Wayne Co, Economy	29	1920 EST	0	0	0	0	0	0	TSTM Wind
Cambridge City	29	1935 EST	0	0	0	0	0	0	TSTM Wind
Centerville	29	1940 EST	0	0	0	0	0	0	TSTM Wind
									Strong thunderstorm winds downed trees, large tree limbs, and power lines in Wayne County.
<b>13 IOWA</b>									
Southwest Iowa NEZ010-IAZ012	01	all day			0	0	0	0	Flooding
	06	all day							Flooding continued over southwest Iowa from heavy rains that occurred in May. Flooding finally receded by the 6th.
Johnson County, NW North Liberty	01	0151 CST			0	0	2	3	Hail (1.75)
									A thunderstorm produced marble to golfball size hail just west of North Liberty.
Lyon County, Edna	07	1718 CST 0.1	15		0	0	2	2	Tornado (F0)
									A small tornado touched down briefly near Edna and then went back into the clouds.
Henry County, New London	08	2000 CST			0	0	3	0	Thunderstorm Winds (50+)
									A thunderstorm moved through New London, downing several trees and causing power line damage.
Grundy County, Conrad	11	1840 CST			0	0	2	3	Hail (0.75), Thunderstorm Winds (50+)
									Dime size hail and 55 to 60 mph winds moved into Conrad. A few trees of up to 12 inches in diameter were blown down by the winds.
Fremont County, Riverton	12	1530 CST			0	0	4	2	Thunderstorm Winds (50+)
									Thunderstorm wind gusts knocked down trees and power lines, and damaged signs in and around Riverton.
Fremont County, Hamburg	12	1605 CST			0	0	3	2	Thunderstorm Winds (50)
									Wind gusts damaged trees and power lines at Hamburg.
Harrison County, Pisgah	12	1850 CST 0.5	20		0	0	3	3	Tornado (F0)
									A tornado touched down briefly near Pisgah, toppling several large trees and causing some minor damage.
Montgomery County, Red Oak	16	1600 CST			0	0	4	3	Thunderstorm Winds (50)
									Wind gusts downed trees and power lines at Red Oak.
Montgomery County, 3NE Red Oak	16	1740 CST			0	0	3	4	Hail (2.75)
									Baseball size hail fell 3 miles northeast of Red Oak, damaging crops and a few vehicles.
Page County, 3N Essex	16	1748 CST			0	0	2	4	Hail (0.75), Thunderstorm Winds (50)
									Dime size hail fell 3 miles north of Essex, damaging crops on 2000 to 3000 acres. Winds toppled trees in Essex.
Polk County, West Des Moines	17	1100 CST			0	0	5	0	Thunderstorm Winds (65)
Polk County, Des Moines	17	1115 CST			0	0	2	0	Hail (0.75)
									A thunderstorm moved into West Des Moines with winds of 70 to 80 mph. Numerous windows were broken and trees downed. Damage at the YMCA was estimated at \$50,000. Numerous trees were also blown down over the west half of Des Moines. Some dime size hail was also reported in Des Moines.
Floyd County, Rudd	17	1200 CST			0	0	6	3	Thunderstorm Winds (60)
									A thunderstorm moved through the Rudd area, causing significant damage. An elevator leg was blown down causing \$30,000 damage. Numerous trees and a few power poles were blown down by the nearly 70 mph winds.
Blackhawk County, Cedar Falls	17	1330 CST			0	0	3	0	Lightning
									Lightning struck 2 homes in Cedar Falls, causing minor damage.
Bremer County, Sumner	17	1425 CST			0	0	3	3	Hail (0.75)
Benton County, Vinton	17	1430 CST			0	0	3	3	Hail (1.00)
Buchanan County, Quasqueton	17	1500 CST			0	0	3	3	Thunderstorm Winds (52)
Fayette County, 3E Madena	17	1515 CST			0	0	3	3	Thunderstorm Winds (52)
Clayton County, Elkader	17	1525 CST			0	0	3	3	Thunderstorm Winds (52)
Delaware County, near Ryan	17	1556 CST			0	0	3	3	Thunderstorm Winds (55)
Clayton County, Volga	17	1600 CST			0	0	3	3	Thunderstorm Winds (50+)
Clayton County, McGregor	17	1605 CST			0	0	3	3	Thunderstorm Winds (55)
									A line of thunderstorms moved across northeast Iowa. Dime size and larger hail and 50 to 55 MPH winds hit Sumner and Vinton. Up to 60 MPH winds downed trees at Quasqueton and Madena. As the storms moved over extreme northeast Iowa, 55 to 65 MPH winds were reported over Clayton and Delaware counties, downing numerous trees.
Polk County, Des Moines	18	0220 CST			0	0	3	0	Thunderstorm Winds (50)
									A thunderstorm produced winds of 55 to 60 MPH, downing trees and power lines 3 miles northwest of downtown Des Moines.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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		
<b>IOWA</b>										
Ringgold County, Mount Ayr	18	1330 CST			0	0	3	0	Lightning	Lightning caused damage to numerous appliances in Mount Ayr and killed several farm animals.
Pottawattamie County, Crescent	18	1345 CST			0	0	3	0	Lightning	Lightning struck a tree, which fell against a home in Crescent. An electric substation was also hit.
Appanoose County, Centerville	18	1350 CST			0	0	3	3	Thunderstorm Winds (59)	A thunderstorm produced 68 MPH winds at the Centerville Airport. Scattered damage was reported in the area due to the winds and marble size hail.
Wapello County, Ottumwa	18	1631 CST			0	0	2	3	Thunderstorm Winds (65)	Winds of 75 MPH were recorded at the Ottumwa Airport. Only minor damage was reported.
Johnson County, Iowa City	19	1300 CST			0	0	3	0	Lightning	A house in Iowa City was struck by lightning, causing a fire and about \$3,000 in damage.
Fayette County, Fayette	19	1510 CST			0	0	2	2	Thunderstorm Winds (50)	A thunderstorm brought 55 to 60 MPH winds, toppling trees around Fayette.
Fremont County, Sidney	19	1530 CST			0	0	3	3	Thunderstorm Winds (52)	
		19	1530 CST		0	0	4	4	Hail (1.50)	A thunderstorm with winds around 60 MPH and nearly golf ball size hail damaged vehicles, roofs, crops, and trees at Sidney.
Johnson County, Iowa City	19	1700 CST			0	0	4	0	Lightning	Lightning struck a house in Iowa City, causing \$8,000 in damage.
Wayne County, Allerton	20	1545 CST			0	0	0	0	Funnel Cloud	A funnel cloud was reported by a spotter at Allerton.
Dallas County, 2N Earlham	21	1758 CST			0	0	3	3	Thunderstorm Winds (56)	Thunderstorm winds of 60 to 70 MPH occurred just north of Earlham.
Madison County, 8N Winterset	21	1825 CST			0	0	0	0	Funnel Cloud	A funnel cloud was sighted 8 miles north of Winterset.
Madison County, St. Charles	21	1900 CST			0	0	3	2	Thunderstorm Winds (61)	Thunderstorm winds of around 70 MPH downed several large tree limbs and a few large trees at St. Charles.
Adair County, Bridgewater	22	2245 CST			0	0	3	0	Lightning	Lightning struck on a farm near Bridgewater, killing 6 cows and a calf.
Boone County, 7N Boone	23	1605 CST			0	0	0	0	Funnel Cloud	
Hamilton County, Stratford	23	1625 CST			0	0	0	0	Funnel Cloud	
										Several funnel clouds were reported north of Boone and near Stratford. They were from a line of thunderstorms that produced small hail and scattered crop damage as far south as just south of Adair in Adair County.
Cherokee County, Aurelia	24	1425 CST			0	0	3	4	Hail (1.00)	
Buena Vista County, Alta	24	1450 CST			0	0	3	5	Hail (1.00)	
Buena Vista County, Storm Lake	24	1505 CST			0	0	3	4	Hail (1.00)	
Buena Vista County, Lakeside	24	1508 CST			0	0	4	4	Hail (1.75)	A thunderstorm produced quarter to golf ball size hail and gusty winds across extreme eastern Cherokee County and Buena Vista County. A 15 mile wide area of 75 to 100 percent crop damage occurred. Damage was at least \$150,000.
Harrison County, Logan	24	1730 CST			0	0	3	6	Hail (1.75)	A thunderstorm brought pea to golf ball size hail to Logan and most of the north 1/4 of the county. Crop damage was between 70 and 90 percent on 92,000 acres.
Woodbury County, Sioux City	24	1737 CST			0	0	3	2	Thunderstorm Winds (58)	A thunderstorm passed over the Sioux City Airport with winds of up to 65 MPH.
Woodbury County, Sioux City	24	1810 CST			0	0	3	2	Thunderstorm Winds (50)	
Woodbury County, Moville	24	1815 CST			0	0	3	0	Lightning	
Sioux County, Sioux Center	24	1812 CST			0	0	3	3	Thunderstorm Winds (50)	
O'Brien County, Paullina	24	1858 CST			0	0	3	4	Thunderstorm Winds (52)	A line of severe thunderstorms moved into northwest and west-central Iowa producing winds up to 60 MPH. Tree and crop damage was reported across the area. Lightning struck a house in Moville, causing some minor damage.
<b>IOWA</b>										
Dallas County, Bouton	24	1813 CST			0	0	0	0	Funnel Cloud	A funnel cloud was reported by officials at Bouton.
Pottawattamie County, Oakland	24	1825 CST			0	0	3	3	Hail (1.75)	Golf ball size hail fell at Oakland, damaging crops and roofs.
Greene County, 1S Churdan	24	1908 CST			0	0	3	3	Thunderstorm Winds (52)	A thunderstorm produced wind gusts of up to 60 MPH that damaged trees and crops.
Mills County, Malvern and Glenwood	24	1908 CST			0	0	5	4	Thunderstorm Winds (52) Hail (1.50)	Nearly golf ball size hail damaged crops and dented vehicles around Malvern. Wind gusts to 60 MPH were reported at Glenwood with some tree damage.
Page County, Clarinda and Shenandoah	24	1947 CST			0	0	4	4	Thunderstorm Winds (58)	Winds gusted to 67 MPH during a thunderstorm at Clarinda. Strong winds also damaged trees and power lines around Shenandoah. Crop damage was quite extensive in the area, ranging from 50 to 75 percent.
Adams County, ONE Corning	24	2025 CST			0	0	3	3	Thunderstorm Winds (52)	
Taylor County, Bedford and Gravity	24	2030 CST			0	0	3	3	Thunderstorm Winds (52)	
Union County, 1E Creston	24	2044 CST	0.2	20	0	0	2	2	Tornado (F0)	
Union County, 2N Creston	24	2055 CST			0	0	2	4	Hail (1.75)	A cluster of thunderstorms moved across southwest and south-central Iowa. Sixty MPH winds blew over trees near Bedford, Gravity and northeast of Corning. A tornado touched down briefly just east of Creston while a short time later, golf ball size hail shredded corn fields north of Creston.
Monona County, Onawa	28	1930 CST			0	0	3	3	Thunderstorm Winds (50)	Trees were blown down, one onto a house in Onawa. Crop damage resulted from wind-driven small hail.
Plymouth County, Hinton	28	1935 CST			0	0	2	3	Thunderstorm Winds (50)	
Woodbury County, Sioux City	28	1937 CST			0	0	2	3	Thunderstorm Winds (50)	A line of thunderstorms produced 55 to 60 MPH winds resulting in several trees being blown down at Hinton and the southeast part of Sioux City.
Clayton County, Monona	29	0010 CST			0	0	4	0	Lightning	
		29	0100 CST		0	0	3	0	Lightning	Lightning struck two barns near Monona. Both barns were destroyed. Five sows and 65 piglets were lost in the fires.
<b>14 KANSAS</b>										
Finney Co., 3W Garden City	01	1940CST	.2	50	0	0	0	0	Tornado (F0)	A small tornado touched ground briefly in an open field west of Garden City. No damage resulted.
Jewell Co., 3S Mankato	02	0720CST			0	0	0	4	Hail (.75)	A thunderstorm dropped 3/4 inch hail south of Mankato as it moved across southern Jewell County.
Ellis Co., 7W Hays	02	0834CST			0	0	2	5	Hail (.75)	A thunderstorm dropped 3/4 inch hail west of Hays. Considerable crop damage resulted.
Morris Co., 4E Dwight	02	1145CST			0	0	0	0	Funnel	A funnel reached near the ground over the extreme northeast corner of Morris County. No damage resulted.
Shawnee Co., 3SE Topeka	02	1226CST			0	0	2	0	Hail (.75)	
Wabaunsee Co., Harveyville	02	1227CST			0	0	3	2	Hail (1.75)	
Harveyville	02	1243CST			0	0	2	0	Hail (.75)	Hail from 3/4 inch to golfball size fell in a few spots in Shawnee and Wabaunsee counties. Some minor damage was done to roofs in Harveyville, but little other damage resulted.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>— KANSAS</b>											
Leavenworth Co. Leavenworth	02	1242CST			0	0	3	0			TSTM Wind (56)
Wyandotte Co: Piper	02	1300CST			0	0	3	0			TSTM Wind, Hail (.75)
Kansas City	02	1311CST			0	0	0	0			Hail (.75)
Rosedale	02	1315CST			0	0	3	0			TSTM Wind
Kansas City	02	1320CST			0	0	4	0			TSTM Wind, Hail (.75)
Johnson Co, Fairway	02	1330CST			0	0	3	0			TSTM Wind
		A severe thunderstorm damaged trees and dropped 3/4 inch hail in parts of the Kansas City, Kansas area. About 50 trees were uprooted or knocked down between Parallel and State from 75th to 81st streets in Kansas City. Other scattered tree damage occurred in Leavenworth, and between Piper and Rosedale. Wind speeds were estimated at 65mph when the storm crossed Kansas City and Leavenworth.									
Sedgwick Co, 15S Newton	02	1400CST			0	0	0	4			Hail (1.75)
		A thunderstorm dropped large hail as it crossed Northern Sedgwick County. Considerable damage was done to wheat fields.									
Barber Co: Medicine Lodge	02	1545CST			0	0	2	3			TSTM Wind (56), Hail (.75)
Medicine Lodge	02	1605CST			0	0	2	0			TSTM Wind (56)
4W Kfowa	02	1634CST			0	0	2	3			TSTM Wind (56), Hail (.75)
1E Kfowa	02	1655CST			0	0	2	0			TSTM Wind (56)
		A line of thunderstorms produced wind gusts estimated at 60 to 70 mph and 3/4 inch hail as it moved across Barber County. Minor damage resulted.									
Cowley Co: 3SE Oxford	02	1600CST			0	0	0	0			Funnel
3SW Winfield	02	1613CST			0	0	0	0			Funnel
Sumner Co, 4S Argonia	02	1610CST			0	0	0	0			Funnel
		At least 3 funnels were seen over Cowley and Sumner Counties. None reached the ground and no damage resulted.									
Thomas Co, Colby	10	2332CST			0	0	5	4			TSTM Wind
Logan Co, Winona	11	0030CST			0	0	3	4			Hail (.75)
		Severe thunderstorms produced winds that caused a good deal of damage to homes, trees and power lines in Colby. Hail also damaged crops near Winona.									
Shawnee Co, Topeka Airport	11	1356CST			0	0	2	0			TSTM Wind (59)
		A thunderstorm wind gust was measured at 68mph at Topeka's Municipal Airport. Little damage resulted.									
Doniphan Co, Near Wathena	12	1736CST			0	0	2	3			Hail (.75)
		A thunderstorm dropped 3/4 inch hail over eastern Doniphan County. Crops were damaged in a few fields.									
Johnson Co, Lenexa	12	1830CST			0	0	3	0			TSTM Wind
Wyandotte Co, Kansas City	12	1900CST			0	0	3	0			TSTM Wind (56)
		Thunderstorm winds estimated at 65 mph caused minor tree damage in a few spots in Kansas City and Lenexa.									
McPherson Co, 1N Inman	15	1430CST			0	0	3	4			Hail (1.75)
		A thunderstorm developed in southeast McPherson County and moved west-southwest. Large hail fell just north of Inman and damaged several wheat fields.									
Shawnee Co, 5N Silver Lake	15	1550CST			0	0	3	3			Hail (1.75)
		A thunderstorm dropped golfball size hail briefly in a small area north of Silver Lake.									
Smith Co, Smith Center	15	1655CST			0	0	3	4			Hail (1.5)
		A thunderstorm dropped marble to walnut size hail as it crossed the Smith Center area. Considerable crop damage resulted.									
<b>— KANSAS</b>											
Decatur Co: 7W Oberlin	16	1508CST			0	0	0	4			Hail (.75)
5N Oberlin	16	1520CST			0	0	0	4			Hail (.75)
Sheridan Co: 15SW Hoxie	16	1705CST			0	0	0	5			Hail (.75)
15S Hoxie	16	1720CST			0	0	0	0			Funnel
Gove Co: Grainfield	16	1805CST			0	0	4	4			Hail (.75), TSTM Wind (60)
3S Grainfield	16	1810CST			0	0	0	4			Hail (1.0)
5SE Grainfield	16	1819CST			0	0	0	4			Hail (.75)
		Severe thunderstorms dropped large hail and produced strong winds in some spots as they moved slowly from Oberlin toward Gove. Hail covered the ground at Grainfield, and 2 inches of rain fell in 30 minutes. A good deal of crop damage resulted throughout the storm path.									
Saline Co: Smolan	17	1509CST			0	0	3	4			Hail (.75)
Brookville	17	1511CST			0	0	3	4			Hail (1.75)
		Severe thunderstorms developed across Southern Saline County and moved slowly north. Hail started falling at Smolan at 1509CST and continued for 30 minutes. Golfball size hail fell in the Brookville area.									
Thomas Co, 15S Colby	17	1513CST			0	0	0	3			Hail (.75)
Wichita Co: 7NE Leoti	17	1530CST			0	0	0	4			Hail (.75)
3S Leoti	17	1609CST			0	0	0	4			Hail (1.0)
Leoti	17	1630CST			0	0	4	4			Hail (2.0)
6S Leoti	17	1640CST			0	0	0	4			Hail (1.0)
Logan Co, Winona	17	1600CST			0	0	3	5			Hail (1.0)
Ness Co, Ransom	17	1810CST			0	0	3	4			TSTM Wind (60)
Ellis Co, 5S Hays	17	1838CST			0	0	0	5			Hail (.75)
Rush Co, Liebenthal	17	1850CST			0	0	0	5			Hail (.75)
		Severe thunderstorms dropped large hail upon parts of Northwest Kansas. A hail damage path extended from Winona south to Leoti and on south into Southwest Kansas.									
Russell Co: Dorrance	17	1650CST			0	0	3	4			Hail (1.75), TSTM Wind
Milberger	17	1729CST			0	0	0	0			Funnel
7S Dorrance	17	1730CST			0	0	2	4			Hail (1.0)
Ellsworth Co: Holyrood	17	1710CST			0	0	2	4			Hail (1.75)
Holyrood	17	1800CST			0	0	2	4			Hail (1.75)
Rice Co: Lyons Airport	17	1819CST			0	0	2	3			TSTM Wind (63)
Lyons Airport	17	1831CST			0	0	2	3			TSTM Wind (66)
Lyons	17	1908CST			0	0	2	4			Hail (.75)
		A series of severe thunderstorms moved from Southern Russell County across Ellsworth and Rice Counties. The storms produced winds and large hail that were quite damaging to the near-ripe wheat crop. Wind gusts of 72 and 76 mph were measured at the Lyons Airport.									
Finney Co: 2N Holcomb	17	1750CST			0	0	4	4			Hail (2.0)
Holcomb	17	1756CST			0	0	5	3			Hail (2.75)
3W Garden City	17	1803CST			0	0	4	5			Hail (2.75)
Garden City	17	1815CST			0	0	5	0			Hail (2.75)
Garden City Arpt.	17	1821CST			0	0	3	4			Hail (1.00)
Hodgeman Co, Jetmore	17	1833CST			0	0	3	5			Hail (2.75)
Pawnee Co, 3SE Larned	17	1925CST			0	0	4	5			Hail (1.75), TSTM Wind (65)
		Hailstones the size of baseballs caused major damage from Holcomb to Garden City. In Holcomb, chunks of roofing were torn from homes, trees were stripped and cars dented. Nearly all north-facing windows in the town were broken. Hundreds of acres of crops were damaged as well. The storm continued to drop large hail as it moved east through Jetmore and Larned.									
Hamilton Co, Syracuse	17	1845CST			0	0	3	0			TSTM Wind (61)
Seward Co, Liberal Airport	17	1845CST			0	0	3	0			TSTM Wind (55)
Grant Co, 7N Ulysses	17	1902CST			0	0	3	0			TSTM Wind (61)
Gray Co: 3S Ingalls	17	1912CST			0	0	0	4			Hail (1.75)
6E Cimarron	17	1935CST			0	0	3	0			TSTM Wind (61)
Stanton Co, 5NE Johnson	17	1915CST			0	0	0	5			Hail (1.75)
Haskell Co, 9NW Sublette	17	1928CST			0	0	3	4			Hail (1.75), TSTM Wind (61)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>— KANSAS</b>									
Edwards Co. Kinsley	17	1930CST			0	0	3	0	TSTM Wind (61)
Ford Co: 5S Ford	17	1936CST			0	0	0	0	TSTM Wind (52)
6W Bucklin	17	2012CST			0	0	2	0	TSTM Wind (61)
Stafford Co. Macksville	17	1950CST			0	0	3	4	Hail (1.75)
Kiowa Co. Greensburg	17	2011CST			0	0	4	0	TSTM Wind
Meade Co. Fowler	17	2013CST			0	0	2	0	TSTM Wind (59)
Clark Co. Minneola	17	2013CST			0	0	2	0	TSTM Wind (59)
Pratt Co: Pratt	17	2015CST			0	0	4	0	TSTM Wind (56)
Cullison	17	2015CST			0	0	3	0	TSTM Wind (56)
Barber Co. Sun City	17	2035CST			0	0	3	0	TSTM Wind (56)
Comanche Co: Coldwater	17	2037CST			0	0	4	0	TSTM Wind (65)
25SE Coldwater	17	2052CST	3	?	0	0	0	0	Tornado (F1)
<p>Severe thunderstorms crossed most of Southwest Kansas. Hail damaged thousands of acres of crops and winds of 60 to 75 mph caused widespread but mostly minor damage to trees and buildings. Power lines and poles were damaged at Greensburg and Coldwater. A tornado came to the ground in an open field in the southeast corner of Comanche County. It stayed on the ground for 3 miles, but did no damage.</p>									
Osborne Co: Osborne	17	1906CST			0	0	2	4	Hail (1.0)
Alton	17	1955CST			0	0	2	4	Hail (1.0)
Smith Co. Harlan	17	2015CST			0	0	2	4	Hail (1.0)
<p>A severe thunderstorm formed southwest of Osborne and moved northeast into Smith County. The storm dropped large hail that damaged hundreds of acres of wheat.</p>									
Reno Co: 2N Hutchinson	17	1955CST			0	0	2	0	TSTM Wind (52)
Hutchinson	17	1955CST			0	0	2	4	Hail (.75)
Kingman Co. Kingman	17	2105CST			0	0	2	0	TSTM Wind (52)
Harper Co: Harper	17	2155CST			0	0	2	3	Hail (.75)
Anthony	17	2200CST			0	0	3	0	TSTM Wind
Sedgwick Co: Clearwater	17	2200CST			0	0	3	0	TSTM Wind (56)
Wichita Airport	17	2223CST			0	0	4	0	TSTM Wind (56)
Harvey Co. 3E Newton	17	2215CST			0	0	3	0	TSTM Wind
Sumner Co: Wellington	17	2215CST			0	0	0	0	TSTM Wind (52)
Caldwell	17	2220CST			0	0	3	0	TSTM Wind
Oxford	17	2255CST			0	0	3	0	TSTM Wind (56)
Butler Co: Augusta	17	2310CST			0	0	3	0	TSTM Wind (58)
Towanda	17	2310CST			0	0	3	0	TSTM Wind (58)
El Dorado	17	2315CST			0	0	3	0	TSTM Wind
Cowley Co. Arkansas City	17	2300CST			0	0	3	0	TSTM Wind (58)
<p>Severe thunderstorms struck parts of South-Central Kansas. They packed winds estimated at 60 to 70 mph and dropped hail in a few spots. Widespread, but generally minor damage was done to trees and power lines in many spots.</p> <p>Several power poles were downed at Anthony and Wichita, and some trees were uprooted in Wichita. The roof was torn from a mobile home south of Newton. Several wheat fields in Reno County suffered hail damage.</p>									
Seward Co. Liberal	19	0340CST			0	0	2	0	TSTM Wind (52)
Stanton Co. Johnson	19	0418CST			0	0	3	4	Hail (1.75), TSTM Wind (52)
Finney Co. 5S Garden City	19	0425CST			0	0	2	0	TSTM Wind (52)
Morton Co. 3NE Richfield	19	0438CST			0	0	2	0	TSTM Wind (52)
Stevens Co. Hugoton	19	0505CST			0	0	2	0	TSTM Wind (52)
Grey Co. 8W Cimarron	19	0510CST			0	0	2	0	TSTM Wind (61)
Ford Co: Dodge City	19	0522CST			0	0	3	0	TSTM Wind (56)
Dodge City Arpt.	19	0527CST			0	0	3	0	TSTM Wind (61)
Clark Co: Ashland	19	0530CST			0	0	2	0	TSTM Wind (52)
7W Protection	19	0548CST			0	0	2	0	TSTM Wind (52)
<p>A bow-shaped line of thunderstorms moved out of Colorado and produced winds of 60 to 75 mph as they crossed Southwest Kansas. Wind damage was widespread but mostly minor. Hail caused considerable crop damage near Johnson.</p>									
<b>— KANSAS</b>									
Johnson Co. Spring Hill	19	1330CST			0	0	0	0	Funnel
<p>A funnel moved across southwest Johnson County. It stayed aloft and caused no damage.</p>									
Jewell Co. 1SE Mankato	20	1245CST			0	0	0	0	Funnel
<p>A large funnel was sighted just southeast of Mankato. The funnel came within 50 yards of the ground, but did not touch down.</p>									
Shawnee Co. near Richland	20	1520CST			0	0	2	0	TSTM Wind (52)
<p>Thunderstorm winds estimated at 60mph hit the extreme southeast corner of Shawnee County. Little damage resulted.</p>									
Sherman Co: Goodland Airport	20	2024CST			0	0	0	3	TSTM Wind (61)
Kanorado	20	2028CST			0	0	3	4	Hail (.75)
<p>A line of thunderstorms moved from Colorado into Northwest Kansas. A wind gust of 70mph was measured at the Goodland Airport.</p>									
Ford Co. Dodge City Arpt.	20	2348CST			0	0	2	0	TSTM Wind (51)
<p>A thunderstorm wind gust was measured at 59mph at the Dodge City Airport.</p>									
Cowley Co. 3S Arkansas City	22	1130CST			0	0	0	0	Funnel
<p>A funnel was seen south of Arkansas City. It never came to the ground and no damage resulted.</p>									
McPherson Co: 2S McPherson	22	1230CST			0	0	2	3	Hail (.75)
Canton	22	1250CST			0	0	2	3	TSTM Wind (56)
9S Canton	22	1318CST			0	0	3	3	TSTM Wind
1.5W Canton	22	1330CST	.1	30	0	0	2	0	Tornado (F0)
Marion Co: Ramona	22	1330CST			0	0	4	0	TSTM Wind
Tampa	22	1330CST			0	0	4	0	TSTM Wind
Hillsboro	22	1335CST			0	0	3	0	TSTM Wind (52)
Pittsen	22	1430CST			0	0	3	0	TSTM Wind (52)
Dickinson Co. Herington	22	1348CST			0	0	2	3	TSTM Wind (52)
<p>A severe thunderstorm developed south of McPherson and moved east through Marion County to Herington. Hail as large as 3/4 of an inch in diameter fell south of McPherson and winds estimated at 60 to 65 mph caused tree and power line damage in several places. Large trees were uprooted south of Canton. Windows were blown out, roofs damaged and large trees were knocked down at Ramona and Tampa. A tornado touched ground briefly southwest of Canton.</p>									
Wabaunsee Co. 2S Alta Vista	22	1315CST			0	0	3	3	Hail (1.75)
<p>Golfball size hail fell briefly just south of Alta Vista.</p>									
Morris Co: 4E Council Grove	22	1440CST	.5	50	0	0	0	0	Tornado (F0)
Dunlap	22	1510CST			0	0	3	0	TSTM Wind
<p>A tornado dropped to the ground briefly in a field east of Council Grove. No damage was found. Thunderstorm winds later damaged trees in Dunlap.</p>									
Crawford Co. 9N Girard	22	1549CST	.2	50	0	0	4	0	Tornado (F1)
<p>A rather weak thunderstorm produced a small tornado that damaged a boat dock, boats, trees and a restaurant at the Crawford County State Lake near Farlington.</p>									
Butler Co. 10W El Dorado	22	1645CST			0	0	3	2	TSTM Wind (56), Hail (.75)
<p>A thunderstorm dropped 3/4 inch hail and produced winds estimated at 65mph northwest of El Dorado. Little damage resulted.</p>									
Wallace Co. 15N Sharon Springs	23	2215CST			0	0	4	3	TSTM Wind (65)
Sherman Co: Goodland Airport	23	2232CST			0	0	4	3	TSTM Wind (67)
3E Goodland	23	2236CST			0	0	4	0	TSTM Wind (65)
Thomas Co: Brewster	23	2322CST			0	0	3	3	TSTM Wind (60)
Colby	23	2345CST			0	0	3	3	TSTM Wind (60)
<p>Severe thunderstorms produced strong wind gusts as they moved from Goodland and Sharon Springs to Colby. Trees were knocked over at Sharon Springs, and an irrigation system was damaged east of Goodland. A wind gust was measured at 77mph at the Goodland Airport.</p>									



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>KANSAS</b>									
Cheyenne Co. 8W St. Francis	24	1540CST			0	0	0	4	Hail (.75)
Sherman Co. 5SE Ruleton	24	1642CST			0	0	0	4	Hail (1.0)
Decatur Co. Kanona	24	1650CST			0	0	0	4	Hail (1.0)
Logan Co. 5SE Winona	24	1800CST			0	0	0	4	Hail (.75)
Graham Co. Moreland	24	1807CST			0	0	3	4	Hail (1.25)
9S Hill City	24	1828CST			0	0	0	4	Hail (1.0)
Ellis Co. 10SSE Hays	24	1930CST			0	0	3	4	Hail (1.0)
					A line of thunderstorms dropped large hail in spots as they crossed Northwest Kansas. A good deal of crop damage resulted.				
Lincoln Co. Lincoln	24	1730CST			0	0	4	0	TSTM Wind
					Thunderstorm outflow winds stronger than 60 mph caused damage in Lincoln. Roofs were damaged, large doors were sprung and several windows were knocked out.				
Osborne Co. 7W Osborne	24	1740CST			0	0	0	0	Funnel
Osborne	24	1740CST			0	0	2	0	TSTM Wind (52)
Washington Co. Hanover	24	1843CST			0	0	2	4	Hail (.75)
Barnes	24	1902CST			0	0	2	4	Hail (1.0)
Republic Co. 15NW Clyde	24	1845CST			0	0	2	3	Hail (.75), TSTM Wind (52)
Cuba	24	1850CST			0	0	2	3	TSTM Wind (52)
Ellsworth Co. Wilson	24	1855CST			0	0	0	0	Funnel
Clay Co. 2W Clay Center	24	1903CST			0	0	0	0	Funnel
Riley Co. 1W Randolph near Keats	24	1939CST			0	0	3	0	TSTM Wind (61)
Morris Co. Council Grove	24	1947CST			0	0	3	0	TSTM Wind (61)
	24	2038CST			0	0	3	0	TSTM Wind (52)
					Thunderstorms crossed North-Central Kansas and dropped 3/4 to 1 inch hail in parts of Washington and Republic counties. Wind gusts estimated at 60 to 70mph also did minor damage at Osborne, northwest of Clyde, in Cuba, west of Randolph, near Keats and in Council Grove. At least 3 funnels were seen, but none touched the ground.				
Hodgeman Co. 8N Hanston	24	1932CST			0	0	3	0	TSTM Wind (70)
Edwards Co. Kinsley	24	1955CST			0	0	3	0	TSTM Wind (52)
1NE Trousdale	24	2009CST			0	0	3	0	TSTM Wind (52)
Pratt Co. Pratt	24	2030CST			0	0	4	0	TSTM Wind
12W Pratt	24	2035CST			0	0	4	0	TSTM Wind
Pratt Airport	24	2055CST			0	0	4	0	TSTM Wind (80)
					A line of thunderstorms produced damaging winds as it crossed Hodgeman, Edwards and Pratt counties. A wind gust was measured at 92mph at the Pratt Airport. Considerable tree damage resulted at Pratt and Kinsley. Power lines were also downed in Pratt. A train was derailed 12 miles west of Pratt when a wind gust blew a piggyback trailer off a flat car.				
Dickinson Co. Woodbine	24	2021CST			0	0	3	3	Hail (1.75), TSTM Wind (52)
					A thunderstorm dropped golfball size hail and produced 60 mph winds at Woodbine.				
Butler Co. El Dorado Lake	24	2150CST			0	0	3	2	TSTM Wind (52), Hail (.75)
					A thunderstorm dropped 3/4 inch hail and produced winds estimated at 60 mph at El Dorado Reservoir. Little damage resulted.				
Harper Co. Attica	24	2205CST			0	0	3	0	TSTM Wind (56)
Harper	24	2210CST			0	0	3	0	TSTM Wind (56)
Anthony	24	2240CST			0	0	3	0	TSTM Wind
Sumner Co. Argonia	24	2220CST			0	0	3	0	TSTM Wind (56)
Wellington	24	2230CST			0	0	3	3	TSTM Wind (56), Hail (.75)
3W Oxford	24	2305CST			0	0	3	0	TSTM Wind (61)
					A thunderstorm packing winds estimated at 60 to 70 mph crossed Harper and Sumner counties. Mostly minor damage was done. Trees and power poles were blown down at Anthony and Wellington.				
<b>KANSAS</b>									
Phillips Co. Logan	26	1602CST			0	0	4	5	Hail (1.0), TSTM Wind
Rooks Co. Webster Reservoir	26	1700CST			0	0	3	4	Hail (1.0)
					Severe thunderstorms dropped large hail as they moved south out of Nebraska toward Hays. Hail and strong winds blew down a few power poles and damaged crops in Phillips County.				
Woodson Co. Yates Center	27	1620CST			0	0	3	3	Hail (1.75)
Greenwood Co. Eureka	27	1630CST			0	0	4	0	TSTM Wind
2E Eureka	27	1638CST			0	0	2	2	Hail (.75)
Allen Co. 4N Humboldt	27	1700CST			0	0	3	3	Hail (1.75)
					Severe thunderstorms hit parts of Woodson, Greenwood and Allen counties with strong winds and hail. The wind tore the top from the football stadium in Eureka.				
Crawford Co. Beulah	27	1716CST	.2	50	0	0	5	0	Tornado (F1)
					A small tornado dropped down briefly in Beulah. Two mobile homes were destroyed and another damaged. Several outbuilding were torn apart and large trees were uprooted.				
Cherokee Co. Weir	27	1745CST			0	0	4	0	TSTM Wind
					The storm that dropped the Beulah Tornado produced winds that damaged trees, power poles and roofs at Weir.				
Smith Co. Lebanon	27	2300CST			0	0	3	3	TSTM Wind
9S Lebanon	27	2320CST			0	0	3	3	TSTM Wind
Jewell Co. 3W Mankato	27	2310CST			0	0	3	3	TSTM Wind
Jewell	27	2330CST			0	0	3	3	TSTM Wind (61)
Randall	27	2340CST			0	0	4	3	TSTM Wind
Russell Co. Lucas	27	2330CST			0	0	3	3	TSTM Wind
Wilson Lake	27	2359CST			0	0	3	2	TSTM Wind (54)
Mitchell Co. Lake Waconda	27	2331CST			0	16	5	4	TSTM Wind
Beloit	27	2342CST			0	0	6	4	TSTM Wind (70)
Republic Co. 1W Kackley	27	2335CST			0	0	4	4	TSTM Wind
Cloud Co. 2.5NW Jamestown to 2W Concordia	27	2347CST	12	100	0	0	3	3	Tornado (F0)
Concordia Airport	28	0004CST			0	0	3	3	TSTM Wind (63)
Concordia Airport	28	0019CST			0	0	3	3	Hail (.75)
Miltonvale	28	0020CST	.2	30	0	0	3	3	Tornado (F0)
5S Concordia	28	0030CST			0	0	0	0	Funnel
Lincoln Co. Sylvan Grove	27	2348CST			0	0	3	3	TSTM Wind (70)
Lincoln	28	0010CST			0	0	3	3	TSTM Wind (61)
Osborne Co. Downs	28	0001CST			0	0	4	3	TSTM Wind (65)
Ottawa Co. Minneapolis	28	0020CST			0	0	3	3	TSTM Wind (52)
Ellsworth Co. Wilson	28	0020CST			0	0	3	3	TSTM Wind
Kanopolis Lake	28	0100CST			0	0	3	2	TSTM Wind
Saline Co. Salina Airport	28	0052CST			0	0	3	2	TSTM Wind (55)
Dickinson Co. near Abilene	28	0057CST			0	0	3	2	TSTM Wind (52)
Enterprise	28	0100CST			0	0	3	3	TSTM Wind
Riley Co. near Randolph	28	0058CST			0	0	3	0	TSTM Wind (65)
Clay Co. Clay Center	28	0100CST			0	0	3	3	TSTM Wind (61)
McPherson Co. McPherson	28	0107CST			0	0	3	3	TSTM Wind (52)
Inman	28	0107CST			0	0	3	3	TSTM Wind (52)
					A line of severe thunderstorms formed along the Kansas-Nebraska border and moved south across North-Central and Central Kansas. Outflow winds ahead of the storms were estimated at 70 mph in most places and they reached above 100 mph at times. Two small tornadoes touched ground, but the widespread straight winds were considerably more damaging. The first tornado touched down northwest of Jamestown and moved southeast to 2 miles west of Concordia, causing intermittent damage en route. The second twister touched ground briefly at Miltonvale.				
					Winds near 100 mph hit the State Park Campground at Lake Waconda and damaged more than 50 camping trailers and vehicles parked there. Sixteen people suffered injuries that required hospital treatment, and two of those were admitted for observation. Wind gusts were measured at 80 mph at the Beloit Radio Station, and a stronger downburst wind destroyed a Gymnasium on the north side of that town. Less serious wind damage was widespread throughout				

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	KILLED	INJURED	PROPERTY	CROPS		
<b>KANSAS</b>														
Shawnee Co, Topeka	28	0345CST			0	0	5	0	Lightning					Lightning
the storm's path. Trees were uprooted, roofs were blown off homes and buildings, several outbuildings were destroyed, vehicles were damaged by falling trees and limbs, and windows were broken. Power poles were downed in Smith, Jewell, Mitchell, Clay, Cloud, Ottawa, Dickinson, Ellsworth and Saline counties.														
Decatur Co, 2N Jennings	28	1830CST			0	0	0	5	Hail (1.5)					Hail (1.5)
A thunderstorm dropped large hail near Jennings and damaged a good many acres of crops.														
Brown Co, 6N Hiawatha	28	2152CST			0	0	3	4	Hail (1.75)					Hail (1.75)
A thunderstorm dropped golfball size hail that damaged crops in a few fields north of Hiawatha.														
Graham Co, 3N St. Peter	28	2230CST			0	1	4	4	TSTM Wind					TSTM Wind
A thunderstorm downburst wind destroyed a mobile home north of St. Peter. A family of five was home at the time. The mother was injured and required hospitalization; the father and three children escaped without injury.														
Seward Co, 1N Liberal	29	1325CST			0	0	2	3	Hail (1.0)					Hail (1.0)
Liberal Airport	29	1330CST			0	0	2	0	TSTM Wind (52)					TSTM Wind (52)
Inch diameter hailstones fell just west of Liberal and a wind gust of 60mph was measured at the airport. Little damage resulted.														
Kingman Co, 3SW Kingman	29	1630CST			0	0	3	0	TSTM Wind					TSTM Wind
Several large trees were felled by thunderstorm winds southwest of Kingman.														
Sedgwick Co, 4S Viola	29	1845CST			0	0	4	0	TSTM Wind					TSTM Wind
Thunderstorm winds caused considerable damage to outbuildings and roofs at a farm near Viola.														
<b>SPECIAL HAIL SUMMARY</b>														
Kansas-Oklahoma Hail Loss Service reports indicate hail was especially damaging to crops in the listed counties on the following dates:														
02	Barton, Dickinson, Ellis, Harvey, Jewell, Marion, Morris, Osborne, Rush, Russell, Sedgwick, Sumner													
10	Logan													
11	Gray													
12	Doniphan, Gray													
15	Lincoln, McPherson, Ottawa, Pawnee, Reno, Rush, Russell, Smith													
16	Decatur, Gove, Sheridan, Smith, Thomas													
17	Barton, Clark, Edwards, Ellis, Ellsworth, Finney, Ford, Grant, Gray, Hamilton, Haskell, Hodgeman, Jewell, Kiowa, Kearny, Logan, Meade, Ness, Osborne, Pawnee, Reno, Rice, Rush, Russell, Saline, Scott, Sheridan, Smith, Stafford, Stanton, Stevens, Wichita													
19	Ford, Gray, Morton, Stanton, Stevens, Wallace													
20	Logan, Sherman, Thomas													
21	Grant, Meade, Seward													
23	Morton													
24	Cloud, Decatur, Edwards, Graham, Greeley, Kiowa, Marshall, Ness, Pratt, Sheridan, Stanton, Stevens, Wallace, Washington													
25	Rooks													
26	Ellis, Graham, Norton, Osborne, Phillips, Rooks													
27	Smith													
28	Brown, Cloud, Decatur, Norton, Rawlins, Thomas													
<b>15 KENTUCKY</b>														
Wayne County	01	1100 EST			0	1	3	0	Thunderstorm Winds					Thunderstorm Winds
Severe thunderstorms in Monticello produced severe winds and hail that downed power lines, limbs, and trees. Several streets were blocked due to high water and fallen trees. One minor injury was reported as a result of the storm.														
Anderson County	02	1615-1620 EST			0	0	0	0	Funnel Clouds					Funnel Clouds
Two funnel clouds were spotted above the Bluegrass Parkway near Lawrenceburg and one north of HWY 151 near Avenstoke.														
<b>KENTUCKY</b>														
Fayette County	02	1625 EST			0	0	0	0	Funnel Cloud					Funnel Cloud
A funnel cloud was spotted on the north side of Lexington at Russell Cave Road and New Circle.														
Fayette County	02	1636 EST			0	0	2	0	Hail (1.00)					Hail (1.00)
Hail, one inch in diameter, was reported on Georgetown Road at Six Mile Bridge in northern Fayette County.														
Fayette County	02	1645 EST			0	0	0	0	Funnel Cloud					Funnel Cloud
A funnel cloud was sighted over southeast Lexington in the Cumberland Hills Subdivision.														
Anderson County	02	1655 EST			0	0	3	0	Tornado (F0)					Tornado (F0)
A mini tornado very briefly touched down on KY 151 near the Franklin-Anderson county line. A trailer was damaged and trees were uprooted. The thunderstorm that spawned the mini tornado originated near Birdie.														
Washington County	02	1656 EST			0	0	0	0	Funnel Cloud					Funnel Cloud
A funnel cloud was sighted over Springfield.														
Fayette County	02	1730 EST			0	0	2	0	Hail (1.00)					Hail (1.00)
Hail, one inch in diameter, fell in Lexington.														
Harlan County	04	0430-0545 EST			0	0	3	0	Flash Flooding					Flash Flooding
Two and one half inches of rain fell in a brief period in the Wallins Creek area. Roads became flooded and blocked due to excessive runoff of water and debris. Trees, mud, water, and other debris blocked roads in the Platts Fork, Terry's Fork, School House Hollow, and Newbury Saylor Hollow. At least one car was damaged by the flood waters while it surrounded numerous homes throughout the area. Water rose to more than a foot deep on main roadways.														
Anderson County	09	1515 EST			0	0	3	0	Thunderstorm Winds					Thunderstorm Winds
Numerous trees and power lines were blown down by severe thunderstorm winds throughout Anderson County.														
Jefferson County	09	1530 EST			0	0	3	0	Thunderstorm Winds					Thunderstorm Winds
Severe thunderstorm winds damaged the Kentucky Fair and Exposition Center roof located in Louisville.														
Jefferson County	09	1554 EST			0	0	3	0	Thunderstorm Winds					Thunderstorm Winds
Louisville City Police reported numerous trees down throughout the Louisville metropolitan area, most numerous over Southern Parkway, Eastern Parkway, Floyd Street, and Chickadee.														
Jefferson County	09	1600 EST			0	0	2	0	Thunderstorm Winds					Thunderstorm Winds
Trees were blown down on Taylorsville Road near Bowman Field Airport in Louisville.														
Fayette County	09	1609 EST			0	0	2	0	Thunderstorm Winds					Thunderstorm Winds
Trees and power lines were blown down throughout Fayette County, including in the city of Lexington.														
Jefferson County	12	1902 EST			0	0	2	0	Thunderstorm Winds					Thunderstorm Winds
Channel 32 Television's meteorologist reported 57 MPH winds at the television station in Louisville.														
Jefferson County	12	1903 EST			0	0	3	0	Thunderstorm Winds					Thunderstorm Winds
69 MPH winds were recorded at Bowman Field Airport in eastern Jefferson County. Trees were blown down in the area surrounding the air field.														

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JUNE 1987

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	
<b>KENTUCKY</b>									
Jefferson County	12	1906 EST			0	1	5	0	Downburst
	<p>A severe thunderstorm downburst hit the Highlands area of Louisville. The downburst began in the Cherokee Park area and continued southeast toward Bowman Field. Huge trees from 2 to 4 feet in diameter were blown over at root level, with extensive damage also done to limbs of smaller trees. Numerous large trees fell on houses and cars. One large tree fell on a moving car, trapping a 14 month old baby boy. The mother and grandmother riding in the front seat escaped injury and scrambled out through the car's front window. The baby was trapped in the back seat with the huge tree resting just an inch and a half from the child's head. Firemen had to use hydraulic equipment and air bags to free the boy. The child sustained only minor injuries.</p> <p>Utility poles snapped during the severe wind speeds that were estimated from 80 to 90 MPH, resulting in downed power lines. Roads were impassable for an extended time due to trees and power lines blocking major thoroughfares. Eight thousand people were without electrical power.</p>								
Northern Hardin County	12	1945-2000 EST			0	0	2	0	Hail (1.00)
	<p>Hail, one inch in diameter, fell at West Point, as reported by the West Point Police Department.</p>								
Nelson County	12	2030-2045 EST			0	0	2	0	Thunderstorm Winds
	<p>Trees were blown down throughout northern Nelson County.</p>								
LaRue-Hardin County Line	12	2040-2045 EST			0	0	2	0	Thunderstorm Winds
	<p>Tree damage was reported near Sonora.</p>								
Hardin County	12	2040-2055 EST			0	0	3	0	Thunderstorm Winds
	<p>Trees were blown down in Elizabethtown. Both trees and power lines were blown down in Vine Grove during severe thunderstorms.</p>								
Hancock County	13	1700 CST			0	0	3	0	Thunderstorm Winds
	<p>Hancock County Sheriff indicated eight large trees blocking major roads throughout the county. Electrical power was interrupted over most all of Hancock County as power lines fell during severe thunderstorms.</p>								
Meade County	13	1700-1735 CST			0	0	3	3	Thunderstorm Winds, Hail (0.75)
	<p>Trees and power lines were blown down in the communities of Flaherty, Midway, Payneville, Union Star, and Wolf Creek. Tobacco crops were damaged by hail in Rhodelia. Telephone poles were broken off in the Irvington area. Hail measuring from 1/2 to 3/4 inch in diameter fell throughout the county.</p>								
Meade County	13	1730 CST 0.6 20 1732 CST 0.03 13.3	0	0	0	0	4	0	Tornado (F1)
	<p>One small mini tornado touched down in multiple locations. At the first touchdown located 1.3 miles south of Midway on KY 144, a large barn was completely destroyed. Other outbuildings were damaged, with debris carried over a barn and a house then carried about 1000 yards into a field. Two 2x4 inch boards were found driven into the ground one and one half feet.</p> <p>At the second touchdown of the mini tornado located 1.2 miles east southeast of Midway, the roof of a small 20' X 40' barn was picked up and carried over a house and a mobile home, then dropped 155 yards away in a hay field. The tin roof was severely twisted. Wind signatures were observed in the surrounding hay field. Several trees were uprooted or twisted off at both locations of touchdown.</p>								
Daviess County	13	1735 CST			0	0	3	0	Thunderstorm Winds
	<p>68 MPH winds were recorded at the Owensboro Airport. Limbs were blown down and a few trees uprooted. An antenna was blown down at the Owensboro Airport. Three thousand residents were without power.</p>								
<b>KENTUCKY</b>									
Central Kentucky	15	1700 EST			0	0	3	0	Thunderstorm Winds
	<p>Strong thunderstorms broke tree limbs which pulled down power lines, resulting in several power outages in the Salt River Rural Electric Cooperative. The outages occurred in Bullitt, Spencer (between Taylorsville and Little Mount), Nelson (at Samuels, Beatesville, and Bloomfield), and in Washington counties.</p>								
Nelson County	15	1712 EST			0	0	4	0	Lightning
	<p>Lightning struck several homes in the Nelson County area during thunderstorms. One residence near Bloomfield narrowly escaped being hit. There, lightning struck between a tree and a house, hitting about 2 feet from the structure of the home. The lightning cut a 2 1/2 to 3 foot long trench in the ground two inches deep, splattering mud on the front window and roof of the house, and a nearby truck.</p>								
Jefferson County	16	1610 EST			0	0	2	0	Thunderstorm Wind
	<p>Wind damage in the Hikes Point/Buechel area of Louisville was reported. Sixty mile per hour winds were estimated. Numerous trees were blown down and large limbs were snapped off. Another area of wind damage was reported in the Pleasure Ridge Park area of southwest Louisville. There, large trees in numerous areas were blown down along with power lines. Five thousand homes were without electrical power.</p>								
Northwest LaRue County	16	1620 EST			0	1	4	0	Lightning
	<p>A 33-year-old Hodgenville man was severely injured when lightning struck his rural house attached to the aluminum door he was holding on to. The man suffered severe electrical shock and was knocked twenty feet from the door. One-fourth of his home was extensively damaged. Damage was assessed at \$30,000.</p>								
Grayson County	16	1700 EST			0	0	2	0	Thunderstorm Winds
	<p>Trees and power lines were blown down from Caneyville to Leitchfield to Clarkson during severe thunderstorms.</p>								
Garrard and Boyle Counties	16	1700-1800 EST			0	0	2	0	Thunderstorm Winds
	<p>In Garrard County, trees were blown down, blocking roads in Lancaster. Some minor property damage was also reported. In Boyle County, a wooden shed was destroyed near Perryville. Trees and power lines were blown down in Parksville.</p>								
Franklin County	16	1705-1810 EST			0	0	2	0	Thunderstorm Winds
	<p>Several trees and power lines were blown down in Frankfort.</p>								
Jefferson County	16	1710 EST			0	0	2	0	Hail (0.25-1.75)
	<p>Hail, from pea to golfball size, fell 7 miles west of Standiford Field in Louisville. The hail reportedly covered the ground.</p>								
Whitley County	16	1730 EST			0	0	4	0	Strong Thunderstorm Winds
	<p>Strong thunderstorm winds to 54 MPH downed trees and power lines in Corbin. The roof was torn completely off of the old Clover Top Bakery Building at 5th and Main.</p>								
Southern Hardin County	16	1820-1830 EST			0	0	3	0	Thunderstorm Winds
	<p>Power lines, poles, and trees were blown down near Sonora. One garage was blown down and across a field.</p>								
Southern Green County	16	1830 EST			0	1	4	0	Thunderstorm Winds
	<p>Six trailers were overturned and trees uprooted at Green River Lake State Park. One camper was injured slightly as the trailer that she was in overturned.</p> <p>Trees also were blown down between Allendale and Summersville.</p>								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>									
Hancock County	16	1915 EST	0.5 narrow	0	0	3	0		Tornado (F0)
	A severe thunderstorm spawned a mini tornado that began on the Daviess-Hancock county line on HWY 144 west of Pellville. The tornado left a damage path of about 1/2 mile where some 35-40 large trees were twisted and uprooted. Trees blocked roads in an area from Pellville to Roseville.								
Hancock County	16	2010 EST			0	1	4	0	Thunderstorm Winds
	A large tree fell on a mobile home west of Dukes on Highway 144, knocking the home off of its foundation. Another tree twisted off and fell across a nearby utility building. One man was injured by flying glass.								
Western Boyle County	18	1600-1700 EST			0	0	0	3	Flash Flooding
	From 5 to 5 1/2 inches of rain fell in a one hour period, causing flash flooding. The flooding was concentrated along Shortline and Craintown roads. Fences were washed away. Tobacco crops were washed away or severely damaged by rushing water. Water rose above fence posts at the peak of the flooding.								
Eastern Washington County	18	1630-1730 EST			0	0	4	3	Flash Flooding
	Flash flooding was reported in the small communities of Long Run, Pottsville, and Beech. Between four and five inches of rain fell in a one hour period. Roads were flooded, culverts were washed out, and tobacco patches, gardens, corn fields, and trees were damaged. One new mobile home in Pottsville on HWY 127 was severely damaged by flood water. The force of the flash flooding dislodged the mobile home from its underpinning. The home started moving and swung around and lodged against a utility pole in the yard. A small tool shed was washed four miles down the creek. The man and woman in the mobile home escaped without injury, but the water was as high as their shoulders when they exited the home.								
Letcher County	18	late afternoon			0	1	0	0	Lightning
	A Letcher County resident was injured by lightning at Roxana while servicing trucks outside during a thunderstorm. Witnesses said they could see sparks dancing all over the man's body when the bolt struck him, knocking him unconscious.								
Graves County	18	1900 CST			0	0	3	0	Lightning
	Lightning struck a television antenna tower, sending a powerful electrical charge through the antenna wire and into a home located 1/2 mile north of Mayfield on KY 121 (Loves Road). The lightning knocked a hole through the side of the house as the electrical charge ran through the antenna wire. The powerful charge ripped away the outside siding of the home, cracked a nearby storm window, and knocked plaster from the livingroom wall. Wall switches and receptacles in the livingroom and adjoining rooms were split in half and knocked to the floor. The control box for the television antenna rotor was completely destroyed by the lightning which broke the box into hundreds of pieces, scattering them about the room.								
Henderson County	22	1720 CST			0	0	2	0	Thunderstorm Winds
	Several large trees were blown down between Highway 60 and the Ohio River in northeast Henderson County.								
Mercalfe County	23	1945 EST			0	0	2	0	Thunderstorm Winds
	A roof was blown off of a barn and trees were blown down in Randolph. In Summer Shade, large trees fell, some on buildings and fences. Several of the trees blocked Highway 60 near Randolph.								
Union County	24	1400 CST			0	0	2	0	Lightning
	Lightning struck a tree in a Morganfield residential front yard. The subsequent explosion of the tree thrust a piece of bark mid way through a plate glass window of the home.								
<b>KENTUCKY</b>									
Marshall County	24	1400-1500 CST			0	0	2	0	Thunderstorm Winds
	Severe thunderstorm winds blew trees and power lines down in Brewers. Roof damage to a few homes was also reported.								
Lyon County	28	night			0	0	4	0	Lightning
	Thirteen head of cattle valued at \$7,000 were standing together in a wooded area on an Eddyville farm. The cows were instantly killed by a single bolt of lightning. None of the surrounding trees showed signs of being struck by the lightning.								
McCracken County	30	1930 CST			0	0	4	0	Thunderstorm Winds
	Straight-line winds lifted a 2,500 square foot, two-story house under construction on U.S. 60 one mile west of Future City. The entire house, including the garage, was lifted off of the ground and turned on its back. The house was 60 percent completed.								
Graves County	30	1930-1945 CST			0	0	3	0	Thunderstorm Winds
	Severe thunderstorm winds extensively damaged two mobile homes on Golo Road, one mile east of Mayfield. A 32 X 80 foot tool shed was destroyed north of Mayfield. Several trees and large limbs were down throughout the county.								
	Three other mobile homes in the same small trailer court were knocked from their foundations.								
Christian County	30	2030 - 2155 CST			0	0	4	0	Thunderstorm Winds
	Severe thunderstorm winds in Hopkinsville blew an exterior wall off of a tire store, ripping it cleanly from the foundation. Across the street from the tire store, a roof was damaged on a small building when a large cedar tree blew over against the structure.								
	There were other reports of downed trees in the Hopkinsville area including two that landed on parked cars.								
<b>16 LOUISIANA</b>									
Morehouse Parish	03	1520CST			0	0	?	?	SVR ISTM-Wind, Hail(1.00)
Morehouse Parish	03	1535CST			0	0	?	?	SVR ISTM-Hail(1.75)
West Carroll Parish	03	1540CST			0	0	?	?	SVR TSTM-Hail(0.88)
	Severe thunderstorms produced nickel to golfball size hail near Bonita, 15 miles northeast of Bastrop (Morehouse Parish) and southwest of Kilborne (West Carroll Parish) between 1520CST and 1540CST. Approximately 1200 acres of cotton were damaged by large hail and straight-line winds near Bonita. In addition, the Morehouse Parish sheriff said numerous trees were uprooted and several roofs were damaged in Bonita.								
Beauregard Parish	03	1830CST			0	0	?	?	SVR TSTM-Wind
	A downburst from a severe thunderstorm damaged some house roofs and trees in Deridder.								
Orleans Parish	04	0133CST			0	0	?	?	Waterspout
	Orleans levee board police saw a waterspout in Lake Pontchartrain.								
Plaquemines Parish	06	1545CST			0	0	0	0	Funnel
	A funnel was spotted just to the north of Belle Chasse.								
Cameron Parish	09	0813CST			0	0	0	0	Funnel
	A funnel was sighted in Holly Beach.								
Assumption Parish	13	1100CST-1500CST			0	0	?	?	TSTM-Heavy Rain, Flash Flood
	6.75 inches of rain fell in Napoleonville between 1100CST and 1500CST. Flash flooding damaged about 24 cars and homes.								
Acadia Parish	15	1500CST			0	0	4	?	SVR TSTM-Wind
	A downburst from a severe thunderstorm destroyed trailers just south of Egan and five miles west of Crowley.								
Jefferson Parish	15	1815CST			0	0	0	0	Funnel
	A funnel was spotted five miles northeast of Kerner.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	
<b>17 LOUISIANA</b>									
Jefferson Davis Parish	16	1445CST			0	0	?	0	TSTM-Lightning
									Lightning damaged the steeple, roof, air conditioning and public address systems, telephones and an organ of a Lake Arthur church.
Desoto Parish	17	1445CST			0	0	?	?	SVR TSTM-Hail (0.88-1.00)
Sabine Parish	17	1510CST			0	0	?	?	SVR TSTM-Hail(0.88)
									Severe thunderstorms produced nickle to quarter size hail between Mansfield and Logansport (Desoto Parish) and west of Converse (Sabine Parish) between 1455CST and 1510CST. In addition, straight-line winds blew down several trees west of Converse.
Calcasieu Parish	17	1810CST			0	0	?	0	SVR TSTM-Wind
									A severe thunderstorm microburst blew off a carport from a Lake Charles home.
Caddo Parish	19	1820CST			0	0	?	?	SVR TSTM-Wind
Bossier Parish	19	1841CST			0	0	?	?	Funnel, SVR TSTM-Wind(54 kt)
Bossier and Caddo Parishes	19	1910CST-1940CST			0	0	?	?	Funnel, SVR TSTM-Wind(57 kt)
Webster Parish	19	1935CST			0	0	?	?	SVR TSTM-Wind(50kt)
Claiborne Parish	19	1950CST			0	0	?	?	SVR TSTM-Wind(50kt)
Morehouse Parish	19	2100CST			0	0	4	?	SVR TSTM-Wind
Ouachita Parish	19	2110CST			0	0	?	?	SVR TSTM-Wind, Hail(1.00)
Ouachita Parish	19	2115CST			0	0	0	0	Funnel
Ouachita Parish	19	2120CST			0	0	?	?	SVR TSTM-Wind, Hail (1.00)
									A line of severe thunderstorms moved rapidly southeast across northwest Louisiana between 1820CST and 2120CST producing wide-spread straight-line wind damage and at least three funnel sightings. An isolated severe thunderstorm developed ahead of the squall line near Monroe (Ouachita Parish), and produced a funnel and some straight-line wind and hail damage. A parish-by-parish summary follows.
									Caddo Parish: Numerous trees were blown down by straight line winds in the Rodessa-Vivian area at about 1820CST.
									Bossier Parish: A funnel was sighted northeast of Plain Dealing. Estimated 34 kt straight-line winds produced scattered tree damage in Plain Dealing at about 1841CST.
									Bossier and Caddo Parishes: Between 1910CST and 1940CST, straight-line winds gusting up to 57 knots and very heavy rain were reported in Bossier City (Bossier Parish). A funnel cloud was spotted in the south part of Shreveport and straight-line winds did some scattered tree damage in northwest Shreveport (Caddo Parish).
									Webster Parish: 50 kt gusts from a severe thunderstorm produced scattered tree damage in Minden and Dixie Inn at about 1935CST.
									Claiborne Parish: 50 kt gusts from a severe thunderstorm produced scattered tree damage near Homer at about 1950CST.
									Morehouse Parish: Severe thunderstorm winds destroyed a trailer north of Bastrop at about 2100CST.
									Ouachita Parish: Numerous trees were blown down northwest of Monroe at about 2110CST. A funnel was sighted two miles southeast of Monroe at around 2115CST by the LA Highway Patrol. By 2120CST, a business lost part of its roof in west Monroe while 1.00 inch hail fell and some homes had roof shingles blown off about four miles southeast of Monroe.
Lincoln Parish	23	1908CST			0	0	?	?	Funnel, SVR TSTM-Hail (0.88)
Caddo and Bossier Parishes	23	1910CST			0	0	?	?	SVR TSTM-Hail(0.88)
Bienville Parish	23	1950CST			0	0	?	?	SVR TSTM-Wind, Hail(1.00)
									A band of severe thunderstorms moved rapidly southeast across north-west Louisiana between 1908CST and 1950CST. The thunderstorms produced a funnel, straight-line wind damage and several reports of large hail. A parish-by-parish summary follows.
									Lincoln Parish: A funnel was sighted near Dubach and nickle size hail fell ten miles northwest of Ruston at about 1908CST.
									Caddo and Bossier Parishes: Nickle size hail fell in Shreveport and Bossier City between 1910CST and 1915CST.
									Bienville Parish: Several trees were blown down by straight-line winds north of Bienville at about 1950CST. One inch hail fell in Bryceland at about the same time.
St. Landry Parish	30	1130CST			1	0	0	0	TSTM-Lightning
									Lightning killed a 16-year-old male as he walked across an open field five miles north of Palmetto. MI60.
<b>17 MAINE</b>									
Oxford County, E. Hiram	13	1300EST			0	0	1	0	Hail (1.5)
									A severe thunderstorm produced golfball size hail.
Cumberland County, Baldwin	13	1315EST			0	0	1	0	Hail (1.0)
									The severe thunderstorm that moved east from Hiram produced 1 inch hail.
Oxford County, Porter	13	1445EST			0	0	1	0	Hail (1.0)
									A severe thunderstorm produced 3/4 to 1 inch hail.
York County: N. Berwick	13	1800EST			0	0	1	0	Hail (.75)
Arundel	13	1815EST			0	0	1	0	Hail (.75)
Wells	13	1815EST			0	0	1	0	Hail (.75)
									Thunderstorms, some with hail, moved through southern sections of the county.
<b>18 MARYLAND and D.C.</b>									
St. Marys County	09	1830EST			0	0	4	4	Thunderstorm Wind and Hail
									Winds estimated in excess of 50 mph and 2-inch hail were reported in Compton. About 20 barns and 10 houses were damaged, some totally demolished, and considerable crop losses were incurred. There were 5 minor injuries. Initial damage estimates were set at \$350,000.
District of Columbia	13	1740EST			0	0	0	0	Thunderstorm Wind and Hail
									A cluster of thunderstorms moved across National Airport, producing 3/4 inch hail as well as wind gusts to 43 mph.
District of Columbia	13	1800EST			1	0	0	0	Lightning
									A man was struck and killed by lightning while attending a festival in Anacostia Park. M?P0
Frederick, Carroll, Baltimore, and Hartford Counties	30	1300EST			0	0	0	0	Thunderstorm Wind
									Thunderstorms produced wind gusts of 48 mph in Carroll County. Trees and telephone poles were snapped off near Manchester. Small hail was reported near Westminster.
Montgomery County	30	2100EST			0	0	6	0	Lightning
									Lightning struck a natural gas transfer station in Germantown, destroying the building in a spectacular fire. A PEPCO substation plant was also struck earlier in the evening near Rockville.
<b>19 MASSACHUSETTS</b>									
Southern Worcester County and Norfolk County	13	1900EST-1930EST			0	0	4	0	Lightning
									Several houses were struck by lightning in Milford and Upton, causing generally minor damage. At Worcester Airport, the tower building was struck by lightning, causing an air traffic controller to drop his mike due to an electrical surge. He was not injured.
Southern Worcester County and Norfolk County	13	1900EST-1930EST			0	0	0	0	Hail (0.75)
									Hail of one-half to three-quarter inch diameter accompanied a fast-moving thunderstorm as it travelled eastward across the area. The hail was reported from the Milford-Medway area eastward to Dedham and Blue Hill (Milton). No reports of damage have been received.
Middlesex County, Concord and Littleton	13	1900EST-1930EST			0	0	4	0	Lightning
									Lightning ignited fires in a house in Concord and one in Littleton, resulting in substantial property damage.
Bristol County, Fall River	30	1730EST-1830EST			0	0	4	0	Lightning
									Numerous lightning-caused power outages occurred during a brief but intense thunderstorm. One house was seriously damaged when tree limbs fell through the roof after a bolt of lightning struck a nearby tree.

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JUNE 1987

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					KILLED	INURED	PROPERTY	CROPS	
<b>20 MICHIGAN</b>									
Ypsilanti, Washtenaw Co.	01	1210EST			1	0	3		Thunderstorm wind
A man died when a tree fell on the pickup truck he was driving. M35V									
South suburbs of Detroit, Wayne Co.	01	1300EST			0	1	3		Lightning, Flash Flood
A woman in River Rouge was knocked unconscious by lightning as she adjusted a TV set. Freeways were flooded in Lincoln Park.									
Wixom, Oakland Co.	01	1730EST			0	1	3		Lightning
A house was struck by lightning and partially burned. A boy standing nearby was slightly injured.									
3 miles ESE of Carleton, Monroe Co.	02	1210EST	1.0	30	0	0	3		Tornado(F1)
A witness saw a "vertical black swirl" approaching from the west, and heard a "high-pitched loud whistling" near the intersection of 175 and Sigler Road. The funnel was oscillating horizontally, and the movement of debris was counterclockwise. Walls of a garage were blown out toward the east and southeast, then siding was carried southwest and wrapped around a pole. 2 mobile homes were demolished.									
Ann Arbor Airport, Washtenaw Co.	02	1314EST			0	0	0		Thunderstorm wind(55)
Alpena, Alpena Co.	02	1325EST			0	0	3		Lightning
Several fires were started.									
Lenawee and Washtenaw Cos.	02	1345EST			0	0	4		Thunderstorm wind, Lightning
Buildings were set afire in Macon and Ypsilanti, and trees fell, destroying a car in Tecumseh and causing a power outage in Ypsilanti.									
River Rouge, Wayne Co.	02	1545EST			1	0	4		Flash flood
A man drowned when his car stalled in a flooded									
Eldstone, Delta Co.	06	1930EST			0	0	0		Hail(10.88)
Novi, Oakland Co.	21	1445EST	0.3	80	1	6	6		Tornado(F2)
The funnel touched down in the south-central part of the Chateau Estates mobile home park, just off 13-Mile Road, and moved north-northeastward through the center of the park. The man killed and the two persons most seriously injured were in a unit that was lifted over the top of an adjacent unit and dropped, then that adjacent unit was lifted and dropped on top of it. 57 mobile homes were destroyed, 84 seriously damaged, and 86 slightly damaged. Total damage was \$1.7 million. 138 persons were homeless. Dozens of witnesses saw the tornado. It was initially funnel-shaped. After skipping once or twice it was described as a "zigzagging finger" just before liftoff. Many persons who suffered little or no damage described debris swirling counterclockwise directly above them. Small debris was scattered more than a mile downwind, but there was no further evidence of direct damage. M24M									
Wayne and Oakland Cos.	21	1700EST			1	0	6		Thunderstorm Wind, Flash Flood
There was widespread wind damage, mostly minor, but quite severe in several localized areas. Numerous power outages occurred. Heavy rain, which fell for 2 to 3 hours, totalled 3 to 4 inches in most places. There were many auto accidents during the rain, at least 3 persons were injured. Many streets and basements were flooded, there were a few washouts. Urban freeways were closed by high water for 12 to 15 hours. A man pushing a car from a flooded area in Detroit was killed when the wind blew down a power line. M230									
Oakland, Macomb, St. Clair, and Wayne Counties	25	2050EST			0	1	4		Thunderstorm Wind
A boy was injured when a large carnival sign blew down in Madison Heights. Gusts were estimated 60 mph in several locations. Many trees and power lines were down, there were several minor lightning fires.									
<b>MICHIGAN</b>									
1 N Weidman, Isabella Co.	29	1215EST			0	0	0		Hail (0.75)
1 W Clare, Clare Co.	29	1220EST	0.4	20	0	0	3		Tornado(F0)
1 NE Clare to 5 NE Clare, Clare Co.	29	1230EST	3.0	40	0	0	4		Hail(4.50) Tornado(F1)
Western Gladwin Co. Ogemaw Co. Oscoda Co. S W Roscommon, Roscommon Co.	29	1300EST			0	0	2		Thunderstorm Wind(60)
The Weidman tornado was preceded by large hail and followed by small hail. The funnel aloft remained visible after liftoff. The Clare tornado blew over 3 barns and ripped siding and shingles off a house. A roaring noise was heard. Many trees were down, blocking roads and damaging a car in Gladwin County. Half-inch hailstones fell. Many trees were down in uninhabited forested areas of Roscommon, Ogemaw, and Oscoda counties.									
7 W Charlotte, Eaton Co.	29	1615EST			0	0	2		Thunderstorm Wind
Leslie, Ingham Co.	29	1710EST			0	0	2		Thunderstorm Wind
Extreme N Jackson Co.	29	1715EST			0	0	2		Thunderstorm Wind
NW Washtenaw Co.	29	1721EST			0	0	2		Thunderstorm Wind
E Washtenaw Co.	29	1754EST			0	0	0		Funnel Clouds
W Wayne Co.	29	1809EST			0	0	0		Funnel Clouds
2 W Rollin, Lenawee Co.	29	1820EST	0.8	15	0	0	3		Tornado(F1)
S & E Wayne Co.	29	1820EST			0	0	3		Thunderstorm Wind
Oakland Co.	29	1847EST			0	0	2		Thunderstorm Wind
SE Wayne Co.	29	1855EST			0	0	0		Funnel Clouds
Wyandotte, Wayne Co.	29	1920EST	1.9	50	0	0	4		Tornado(F1)
Trees and power lines were blown down throughout the area. Gusts were estimated 45 to 70 mph. Many funnel clouds aloft were reported in the area bounded by Salem Wyandotte, and Whittaker. Several buildings were damaged by wind in the downriver suburbs. At the beginning of the track of the Rollin tornado a large tree was snapped off and damaged 2 cars and a motor home. A witness saw swirling debris and heard a roaring noise.									
Farther along, a barn was moved off its foundation, windows were exploded from a house, and several more trees were blown down. The Wyandotte tornado funnel touched down at the southeast corner of Lincoln Park and moved south-southeast toward the center of Wyandotte. Windows exploded from a house, and several witnesses saw the funnel in northern Wyandotte. Most of the damage was done by snapped-off treetops and power lines which fell on buildings and vehicles. All direct wind damage was at least 30 feet above the ground. Damage became lighter, the path broadened, and the funnel apparently lifted as it approached the built-up business district.									
<b>21 MINNESOTA</b>									
Aitkin Co. IN McGrath	01	1430CST			0	0	0	0	Hail (1.0)
St. Louis Co. Virginia	01	1500CST			0	0	4	0	Hail (1.0), Thunderstorm Wind
Hail one inch in diameter fell on the north side of Virginia. Winds in Virginia and surrounding areas knocked down numerous trees, some of which blocked roads and damaged homes. Power outages occurred in Virginia as well as Eveleth, Gilbert and Mountain Iron.									
Pine Co. 15E Willow River Rutledge	01	1530CST			0	0	0	0	Thunderstorm Wind
	01	1530CST			0	0	0	0	Thunderstorm Wind
Thunderstorm winds knocked down trees 15 miles east of Willow River and at Rutledge.									
10NE Pine City	01	1545CST			0	0	0	0	Hail (1.0)
Faribault Co. Keister	01	1700CST			0	0	4	0	Thunderstorm Wind
Wind lifted a barn off its foundation and folded it backward to the ground. Machinery stored in the barn was damaged.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>MINNESOTA</b>									
Freeborn Co. Albert Lea	01	1717CST			0	0	3	0	Thunderstorm Wind (70)
									Winds from a thunderstorm peaked at 81 mph in Albert Lea. A large maple tree was toppled and damaged a van.
Kandiyohi Co.	07	1245CST			1	0	0	0	Lightning
									A man was killed by lightning while on a tractor baling hay in extreme northwest Kandiyohi County. M330.
Stearns Co. St. Cloud	07	1402CST			0	0	0	0	Thunderstorm Wind (50)
Sherburne Co. Becker	07	1420CST			0	0	0	0	Thunderstorm Wind
									Winds knocked down power lines and caused considerable tree damage in Becker.
Lyon Co.	16	2300CST			0	0	3	5	Hail
									Hail destroyed crops in a section of southeast Lyon County. Severe crop damage occurred in northern Monroe and southern Amiret townships. Hail also chipped paint and ruined shingles at a home two miles north of Tracy.
Mower Co. 4NW LeRoy	17	1000CST			0	0	3	0	Lightning
									Lightning struck a large oak tree and killed eleven dairy cows grazing nearby.
Freeborn Co. Albert Lea	23	1440CST			0	0	0	0	Thunderstorm Wind (57)
Yellow Medicine Co. 7NE Canby	28	1320-1352CST	16	40	0	0	5	0	Tornado (F1)
									A tornado touched down seven miles northeast of Canby near the intersection of Highways 67 and 75 and traveled southeast just north of St. Leo to five miles west of Hazel Run. Numerous out-buildings were destroyed at two adjacent farms where trees and power lines were downed, machinery damaged and livestock killed and injured. Three other farm sites received minor damage.
Kandiyohi Co. Prinsburg 1S Roseland	28	1520CST			0	0	0	0	Hail (2.5)
	28	1526CST			0	0	3	0	Hail (2.5)
									Tennis ball size hail was reported near Prinsburg and broke the windshield of a pickup truck one mile south of Roseland.
Meeker Co. Strout	28	1530CST			0	0	0	6	Hail (1.75)
									Hail as large as golfballs damaged crops in a swath three miles wide and twelve miles long through Greenfield and Ellsworth townships.
Sherburne Co. Elk River	28	1555CST			0	0	?	0	Hail
									Hail caused minor damage to homes and dented numerous automobiles.
Hennepin Co. Dayton	28	1557CST			0	0	0	0	Funnel
	28	1600CST			0	0	4	0	Thunderstorm Wind
	28	1600CST			0	0	5	0	Thunderstorm Wind
	28	1602CST			0	0	0	0	Funnel
Anoka Co. Spring Lake Park	28	1602CST			0	0	0	0	Funnel
	28	1606CST			0	0	4	0	Hail (1.75)
	28	1607CST			0	0	0	0	Funnel
	28	1607CST			0	0	6	0	Thunderstorm Wind
Hennepin Co. Brooklyn Park	28	1607CST			0	0	4	0	Hail (0.8), Thunderstorm Wind
	28	1610CST			0	0	5	0	Thunderstorm Wind
Anoka Co. Columbia Heights	28	1612CST			0	0	4	0	Lightning
Ramsey Co. Mounds View	28	1614CST			0	0	4	0	Lightning
	28	1615CST			0	0	5	0	Thunderstorm Wind
Hennepin Co. Golden Valley	28	1625CST			0	0	0	0	Hail (0.75)
	28	1627CST			0	0	0	0	Hail (0.75)
	28	1629CST			0	0	4	0	Hail (1.5)
Ramsey Co. Roseville	28	1629CST			0	0	4	0	Hail (1.5), Thunderstorm Wind
	28	1633CST			0	0	4	0	Hail (1.0), Funnel
St. Paul	28	1633CST			0	0	4	0	Hail (1.0), Funnel
Hennepin Co. Minneapolis	28	1636CST			0	0	4	0	Funnel, Thunderstorm Wind
<b>MINNESOTA</b>									
Scott Co. Shakopee	28	1652CST			0	0	4	0	Thunderstorm Wind
Washington Co. Cottage Grove	28	1700CST			0	0	5	0	Thunderstorm Wind
Dakota Co. Mendota Heights	28	1712CST			0	0	5	0	Thunderstorm Wind
									Thunderstorms with damaging winds, hail and intense rain caused widespread damage through southern Anoka, northern and eastern Hennepin and Ramsey counties. Damaging winds also reached southern Washington County and parts of Scott and Dakota counties. Several funnel clouds were reported, most notable of which was observed in the Fridley and Spring Lake Park area of Anoka County. Several airplanes, a hangar and a helicopter were damaged or destroyed at the Anoka County Airport. A small plane was also damaged at the Crystal Airport. The roof of a convenience store in Brooklyn Center was peeled back. Trees were downed and power outages were widespread across the metropolitan area. Hundreds of trees were knocked down in White Bear Lake alone. Several homes were badly damaged by fire from lightning. Winds toppled trees 12 inches in diameter near Shakopee, and in Cottage Grove winds tipped over a construction trailer and blew out windows of a department store.
Goodhue Co. Cannon Falls	28	1800CST			0	0	6	0	Thunderstorm Wind
	28	1815CST			0	0	0	0	Funnel
									Winds leveled a concrete and steel beam warehouse under construction in Cannon Falls. Power lines and trees were also reported down around Cannon Falls.
Wabasha Co. Kellogg	28	1815CST			0	0	0	0	Thunderstorm Wind
									Large limbs were knocked down and several trees were blown over in Kellogg.
Faribault Co. Minnesota Lake	28	1935CST			0	1	4	0	Thunderstorm Wind
									A man was treated at a hospital for injuries received when a tree fell and smashed the car he was driving.
<b>22 MISSISSIPPI</b>									
Bolivar Co., 2 S Boyle	03	1300CST			0	0	?	?	Hail (1.00)
Montgomery County, Duck Hill	03	1400CST			0	0	5	5	Hail (1.75), Thunderstorm Winds
									Hail up to the size of golf balls fell near and southeast of Duck Hill. Homes, cars and cotton plants were damaged. About 200 acres of cotton were stripped. Gardens were flattened. Hail in some areas was 3 inches deep. Also, several trees in the area were blown down by high winds.
Lee County, Nettleton	03	1715CST			0	0	4	?	Thunderstorm Winds
									A roof on a grocery store was damaged by high winds. Several large trees were also blown down.
Monroe County, Bigbee	03	1730CST			0	0	?	?	Thunderstorm Winds
									Some roof damage occurred to homes near Bigbee from high winds. Trees and power lines were also blown down in the area.
Itawamba County, 15 SW Fulton	03	1730CST			0	0	?	?	Thunderstorm Winds
									Large trees and limbs were blown down on Highway 371 near the Itawamba-Monroe county line or about 15 miles southwest of Fulton.
Winston County, 14SW Louisville	03	1930CST			0	0	?	?	Thunderstorm Winds (656)
									Many large trees were downed 14 miles southwest of Louisville where winds of up to 65 mph were estimated.
Jefferson Davis County, Prentiss	03	2030CST			0	1	5	0	Lightning
									A man was injured when lightning struck a 2000 barrel storage tank filled with salt water and oil. When lightning struck the tank it exploded and threw the man from the tank. He was taken to the hospital and released the next day.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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	
<b>MISSISSIPPI</b>									
Madison County, Canton	13	0730-1100CST			0	0	5	0	Flash Flood
									From 0330 to 0930 CST, 6 to 10 inches of rain fell in Canton and portions of western Madison County. Around 130 homes received water damage, primarily in the southwest and northwest portions of town. Some homes had as much as 3 feet of water. Dozens of businesses also were flooded. Most streets were inundated and many motorists had to be rescued from their stranded cars.
Yazoo County, Benton	13	0900CST			0	0	4	0	Flash Flood
									In Benton, roads and bridges flooded from an estimated 5 inches of rain that fell from 0400CST to 0900CST.
Desoto County, 6 S Memphis	14	1414CST			0	0	?	?	Hail (1.75)
Northern Coahoma County	14	1525CST			0	0	?	?	Thunderstorm Winds
									A line of thunderstorms produced damaging winds in the northern portion of Coahoma County. Trees and power lines were blown down in Lula, Coahoma, Friars Point and Jonestown.
Tishomingo County, Burnsville and Iuka	14	1715CST			0	0	5	?	Hail (1.75), Thunderstorm Winds
									Golf ball size hail fell on Highway 72 near Burnsville. In Iuka, golf ball size hail damaged vehicles, roofs and gardens, with damage estimated at \$100,000. Also, a barn was destroyed by strong winds west of Iuka. Trees were blown down in Iuka.
Grenada County, 5 SE Gore Springs	14	1730CST			0	0	5	5	Hail (2.00)
									Hail up to 2 inches in diameter fell about 5 miles southeast of Gore Springs. Roofs, vehicles and gardens were damaged. A couple hundred acres of cotton were stripped and destroyed.
Harrison County, Biloxi	17	1025CST			0	2	0	0	Lightning
									A couple was walking on the beach when they were struck by lightning. Two Air Force Sergeants were eating lunch and saw the event. They ran to the couple and found the man conscious, but his wife was not breathing. One of the sergeants began CPR while the other called the police. Shortly thereafter, an emergency medical team arrived. The lady survived and the two sergeants were credited for saving her life.
Wayne County, Waynesboro	17	1400CST			0	0	5	0	Flash Flood
									Very heavy rains in Waynesboro caused extensive street flooding. Eleven businesses were flooded, with some merchants receiving more than 1 foot of water. Several cars stalled in water 1 foot or more deep.
Monroe County, Amory	21	1600CST			0	0	?	?	Thunderstorm Winds
									Strong winds knocked down trees in Amory. Just south of Amory on Highway 25, 5 big transmission poles were blown down.
Pontotoc County, 4 E Pontotoc	21	1610CST			0	0	?	?	Thunderstorm Winds
									Strong winds blew down large trees in the Black Zion community or about 4 miles east of Pontotoc on Highway 6.
Bolivar County, Cleveland	23	1520CST			0	0	4	0	Thunderstorm Winds
									Strong winds uprooted trees at Delta State University. One car was heavily damaged from a large branch blown off a tree.
Walthall County, Lexie	23	1630CST			1	0	0	0	Lightning
									An 18-year-old boy was picking cucumbers in a field near Lexie when a storm moved in. The youth and several others went under a tree for protection. A lightning bolt struck and killed the boy, but none of the others under the tree were injured. M180
Claiborne County, 7 S Port Gibson	30	1420CST			0	0	5	0	Thunderstorm Winds
									Strong winds from a thunderstorm heavily damaged a drive-in 7 miles south of Port Gibson. Most of the plywood panels, which make up the screen, were blown onto the ground.
Hinds County, Jackson	30	1545CST			0	0	4	0	Thunderstorm Winds
									Several large trees, power lines and road signs were blown down in Jackson. A few buildings received minor damage from falling trees.
Leflore County, Schlater	30	1615CST			0	0	4	0	Thunderstorm Winds
									Trees and power lines were blown down in Schlater. One large branch damaged a pickup truck.
Tallahatchie County, Tutwiler	30	1615CST			0	0	?	0	Thunderstorm Winds
									Several large trees were uprooted and blown down by high winds in Tutwiler.
<b>MISSISSIPPI</b>									
Coahoma County; Moon Lake, Coahoma, and Eagles Crossing	30	1615CST			0	0	4	0	Thunderstorm Winds
									Trees and power lines were blown down in Moon Lake, Coahoma and Eagles Crossing. Some homes also received damage from downed trees.
Leflore County, Greenwood	30	1630CST			0	0	4	0	Thunderstorm Winds
									Strong winds blew down trees in Greenwood. A car was destroyed when a gigantic oak tree fell on it.
Panola County, Crowder	30	1645CST			0	0	0	0	Funnel Cloud
Panola County, 6 NE Crowder to 5 W Batesville	30	1655CST	3.0	50	0	0	5	0	Tornado (F1)
									A small tornado touched down 6 miles northeast of Crowder. It heavily damaged a concrete brick grain silo and machinery at a farm. The tornado picked up a barn and turned it upside down. Also, it took a roof off a room built onto a mobile home. Many trees were uprooted. The tornado touched down three separate times before dissipating 5 miles west of Batesville.
<b>MISSOURI</b>									
Saline County	02	1155CST			0	0	0	0	TSTM Wind
									Winds of 50 to 60 mph occurred at Marshall.
Randolph County	02	1205CST			0	0	2	0	TSTM Wind, Hail (0.50)
									Tree limbs were downed by thunderstorm winds and marble size hail fell at Moberly.
Jackson County	02	1322CST			0	0	0	0	Hail (0.75), TSTM Wind
									Hail of up to 3/4 inch diameter and winds of up to 50 mph occurred at Raytown.
Jackson County	02	1325CST			0	0	4	0	TSTM Wind
									Trees were damaged and power lines downed in the Fairmont area of Independence.
Boone County	02	1356-1405CST	1	20	0	1	2	0	Tornado (F0)
									A tornado was sighted by personnel at the National Weather Service Office in Columbia. It was first sighted at about 7 miles southwest of the Regional Airport. Minor tree damage was reported at 6.25 miles southwest of the office. A woman received minor bruises on her back when she was hit by debris while running for shelter. She heard the roaring noise of the approaching tornado. The tornado was described by the staff at the weather office as a narrow ropelike funnel that descended from the extreme southwest edge of the strong thunderstorm.
Cass County	02	1400CST			0	0	3	0	TSTM Wind, Hail (0.50)
									Trees were uprooted in Raymore. Hail of up to 1/2 inch diameter was also reported.
Boone County	02	1420CST			0	0	4	0	TSTM Wind
									Numerous trees were downed and a house damaged 2 miles east of Easley.
Greene County	02	1655CST			0	0	4	0	TSTM Wind
									Trees were downed and a shopping center was damaged at Walnut Grove.
Greene County	02	1730CST			0	0	4	0	TSTM Wind
									Power lines and large tree limbs were downed in Springfield.
Jasper County	02	1745CST			0	0	4	0	TSTM Wind
									Trees were damaged and power lines downed in Carthage.
Newton County	02	1750CST			0	0	3	0	TSTM Wind
									Trees were damaged in Neosho.
Newton County	02	1750-1800CST			0	0	4	0	TSTM Wind
									Light property damage and the downing of power lines occurred in Neosho.
Taney and Stone Counties	02	1830CST			0	0	4	0	TSTM Wind
									Scattered wind damage to trees and power lines occurred along Table Rock Lake in southern Stone County and western Taney County.



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					KILLED	INJURED	PROPERTY	CROPS		
<b>MISSOURI</b>										
Taney County	02	1840CST			0	0	4	0	TSTM Wind	Trees and lines were downed at Ozark Beach.
Atchison County	12	1709CST			0	0	4	0	TSTM Wind	Trees and power lines were downed in and around Tarkio.
Nodaway County	12	1710CST			0	0	4	0	TSTM Wind	Trees and power lines were downed in Skidmore.
Holt County	12	1715CST			0	0	4	0	TSTM Wind	Many trees and lines were downed in the central portion of the county.
Holt County	12	1731CST			0	0	4	0	TSTM Wind	Trees and power lines were downed in and around Oregon.
Andrew County	12	1735CST			0	0	4	0	TSTM Wind	Trees and lines were downed in Savannah.
Buchanan County	12	1809CST			0	0	4	0	TSTM Wind	Trees and lines were downed in St. Joseph.
Platte County	12	1822CST			0	0	4	0	TSTM Wind	Trees were downed in Platte City and in the western portion of the county.
Platte County	12	1822CST			0	0	0	0	TSTM Wind (52)	Wind gusts to 52 knots (60 mph) were recorded at Kansas City International Airport.
Clinton County	12	1840CST			0	0	3	0	TSTM Wind	Trees were downed in the northwest portion of the county.
Dade and Lawrence Counties	15	1200CST			0	0	?	?	Hail (1.75)	Hail of up to 1 3/4 inch diameter fell 5 miles south of Lockwood.
Polk County	15	1200CST			0	0	0	0	Hail (0.75)	Hail of up to 3/4 inch diameter fell near Aldrich.
Jasper County	15	1205CST			0	0	3	0	TSTM Wind	Scattered light damage was caused by winds of 50 to 60 mph, 2 miles east of Jasper.
Jasper County	15	1305CST			0	0	0	0	Hail (0.75)	Hail of up to 3/4 inch diameter fell in Joplin.
St. Francois County	16	1450CST			0	0	4	0	TSTM Wind, Hail (1.00), Lightning	Trees and telephone poles were downed by winds. Hail of up to 1-inch diameter fell, and two houses were struck by lightning.
Monteau County	16	1715CST			0	0	4	0	TSTM Wind	Winds in excess of 60 mph downed trees in Tipton and California.
Texas County	16	1715CST			0	0	0	?	Hail (1.00)	Hail of 3/4 to 1 inch diameter fell in Cabool.
Greene and Webster Counties	16	1840CST			0	0	0	0	Hail (0.75)	Hail of up to 3/4 inch diameter fell near Highway 60 and Farm Road 199 in eastern Greene County and western Webster County.
Douglas County	16	1855CST			0	0	0	0	Hail (0.75)	Hail of up to 3/4 inch diameter fell in Ava.
Stone County	16	1900CST			0	0	3	0	TSTM Wind	Trees were downed near Brown Springs.
LaCade County	16	1950CST			0	0	0	0	Hail (0.75)	Hail of up to 3/4 inch diameter fell near Lebanon.
Barton County	16	2235CST			0	0	2	0	Hail (0.75), Lightning	Hail of up to 3/4 inch diameter fell south of Lamar. Lightning struck a mobile home just south of Lamar.
<b>MISSOURI</b>										
Jasper County	19	1501CST			0	0	4	0	TSTM Wind	Trees and lines were downed in southwest Joplin.
Stone County	19	1640CST			0	0	4	0	TSTM Wind	Trees and lines were downed in Crane.
Stone County	21	1515CST	1/4	50	0	0	0	0	Tornado (F0)	A mini tornado touched down briefly in an open area near Table Rock.
Polk County	22	1730CST			0	0	?	?	Flooding	Urban flooding in Bolivar resulted in the evacuation of residents from a mobile home park.
Dallas and Polk Counties	22	1945CST			0	0	4	0	TSTM Wind	Trees and lines were downed across the two counties.
Lawrence County	22	2010CST			0	0	4	0	TSTM Wind	Trees and lines were downed in Aurora.
Adair County	22	2045CST			0	0	4	3	TSTM Wind, Hail (1.00)	Trees were downed by winds and hail of up to 1-inch diameter fell just south of Kirksville.
Miller County	24	1737-1748CST			0	0	4	0	TSTM Wind	Large trees were uprooted and structural damage occurred to a home 5 miles northeast of Osage Beach.
Jasper County	27	1720CST			0	0	0	0	Hail (1.00)	Hail of 3/4 to 1 inch diameter fell 8 miles west of Jasper.
Lawrence County	27	1730CST			0	0	4	0	TSTM Wind	Trees and lines were downed 10 to 12 miles east of Sarcoxie.
Hickory County	27	1750CST			0	0	?	?	Hail (1.75)	Hail of up to 1 3/4 inch diameter fell at Preston.
Jasper County	27	1800CST			0	0	2	0	TSTM Wind	Light damage was produced by 50 to 60 mph winds.
Jasper County	27	1805CST			0	0	0	0	TSTM Wind	Winds of up to 60 mph occurred in Joplin.
Lawrence County	27	1815CST			0	0	4	0	TSTM Wind	Trees and lines were downed 2 miles southwest of Freistatt.
Ozark County	27	1900CST			0	0	3	0	TSTM Wind	Power lines were downed near Pentiac.
Taney County	27	1910CST			0	0	?	?	Hail (0.75), TSTM Wind	Hail of up to 3/4 inch diameter and winds of 50 to 60 mph occurred in Taneyville.
Jefferson County	28	1645CST			1	0	1	0	Lightning	A 25-year-old man was killed by lightning which also struck the tree next to which he was standing during a thunderstorm in Desoto.
St. Francois County	28	1740CST			0	0	4	0	Hail (0.75), TSTM Wind	In Farmington, hail of up to 3/4 inch diameter fell and trees and power lines were downed by wind.
Crawford County	30	1705CST			0	0	?	?	Hail (1.75)	Hail of up to 1 3/4 inch diameter fell in Cuba.
Crawford County	30	1720CST			0	0	4	0	TSTM Wind	Several large trees were downed in Onandago State Park in the northeast portion of the county.
Washington County	30	1735CST			0	0	4	0	TSTM Wind	A farm building and several trees were downed south of Antonies Mill.

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JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
<b>24 MONTANA</b>										<b>— NEBRASKA</b>									
Wheatland County	09	1900MST			0	0	2	2	Flash Flood	Douglas Co. Valley and Omaha	12	1400CST			0	0	3	4	Hail (1.00)
									A flash flood occurred along Antelope Creek near Harlowton. Water was 2 feet deep over some gravel, county roads.										One inch hail damaged crops northwest of Valley. One inch hail was also reported in west Omaha.
Silver Bow County and Beaverhead County	15	1500MST			0	0	4	3	TSTM Wind (64), Hail (0.75)	Saunders Co. Weston and Cedar Bluffs	12	1410CST			0	0	5	6	Hail (2.00)
									Strong winds destroyed a garage and downed more than 50 trees in Butte, causing extensive power outages. Light hail damage occurred in Beaverhead Valley.										One to two inch hail heavily damaged crops and caused some damage to vehicles and buildings from around Weston through 3 miles south of Ithaca. One inch hail also damaged buildings and crops around Cedar Bluffs.
Mineral, Sanders, and Lake Counties	15	1730MST			0	0	4	3	TSTM Wind (65)	Saunders Co.	12	1450CST			0	0	3	5	Flash Flood
									Thousands of evergreen trees were uprooted, blocking roads and causing extensive damage to homes and autos. The western portions of Mineral and Sanders counties were hardest hit.										4½ inches of rain in less than 1 hour caused flash flooding from south of Ithaca toward Ashland with crop damage and heavy soil erosion.
Flathead County	16	1730MST			0	2	3	2	TSTM Wind (60)	Sarpy Co. Bellevue	12	1510CST			0	0	3	3	Hail (1.00)
									A man and woman were injured slightly when a falling tree brushed them. The tree caused heavy damage to their truck and a shed. A roof was blown off of the ball park at Whitefish.										Three-quarter to one inch hail was reported at Offutt AFB in Bellevue.
Custer County	16				0	0	2	2	TSTM Wind (63)	Saunders Co. Ashland	12	1510CST			0	0	3	4	Hail (1.00)
									Mostly dry thunderstorms caused a little wind damage in and around the Miles City area.										One inch hail damaged crops and property around Ashland.
Yellowstone County	17	1810MST			0	0	2	5	Hail (1.25)	Otoe Co. Nebraska City	12	1600CST			0	0	4	2	Thunderstorm Wind
									Wind and hail caused extensive crop damage from Huntley to Worden. Crops damaged in the 6-mile-long, 1-mile-wide path included sugar beets, corn, and malting barley.										Wind gusts broke tree limbs and damaged street lights at Nebraska City.
Silver Bow County	18	1630MST			0	0	2	1	Hail (1.50)	Lancaster Co. SW Waverly	12	1612CST			0	0	2	3	Hail (1.75)
									A short-lived storm did a little hail damage in the county.										One and three-quarter inch hail fell 5 miles west of Waverly, damaging crops.
Fergus County	19	1140MST			0	0	1	1	Hail (1.75)	Nemaha Co. Brownville	12	1630CST			0	0	3	1	Thunderstorm Wind (52)
									Large hail fell for a very short time 8 miles north of Judith Gap, and did very little damage.										Thunderstorm winds gusted to 60 m.p.h. near Brownville, causing some damage to property.
<b>25 NEBRASKA</b>										Custer Co. 3E Broken Bow	12	1800CST	0.2	30	0	2	4	1	Tornado (F1)
Dodge Co. Ames	01	1700CST			0	0	3	4	Hail (1.75)										A tornado touched down 3 miles east of Broken Bow, destroying a mobile home and injuring its two occupants.
									One and three-quarter inch hail damaged crops around Ames. Hail also damaged gardens in Fremont.	Custer Co. Broken Bow	12	1800CST			0	0	5	3	Hail (1.75)
Saline Co. Wilber	03	Daytime			0	0	2	3	Flood										One and three-quarter inch hail fell in the area around Broken Bow, damaging crops, vehicles and roofs.
									Turkey Creek reached 2.4 feet over flood stage, and some damage to lowland crops occurred.	Cheyenne Co. 10SW Sidney	14	1850CST			0	0	0	0	Funnel Cloud
Dawes Co. Chadron	06	1843CST			0	0	2	1	Thunderstorm Wind (51)										A funnel cloud was reported 10 miles southwest of Sidney.
									Wind gusted to 59 m.p.h. during a thunderstorm at the Chadron airport.	Red Willow Co. McCook	16	1620CST			0	0	3	1	Thunderstorm Wind (61)
Duel Co. TONE Chappell	08	1500CST	0.1	20	0	0	1	1	Tornado (F1)										Sixty to seventy m.p.h. wind gusts uprooted trees and downed power lines in McCook.
									A tornado touched down briefly in open rangeland 10 miles northeast of Chappell.	Lincoln Co. Wellfleet	16	1622CST			0	0	2	2	Hail (1.75)
Adams Co. Hastings	08	1700CST			0	0	4	0	Lightning										One and three-quarter inch hail fell briefly at Camp Opal Springs near Wellfleet, with minor damage reported.
									A lightning strike caused extensive damage to a church in Hastings.	Cherry Co. 30SW Valentine	16	1730CST			0	0	1	2	Hail (0.75)
Buffalo Co. Amherst	08	1915CST			0	0	4	0	Thunderstorm Wind										Three-quarter inch hail was reported 30 miles southwest of Valentine with minor damage to rangeland.
									Strong winds damaged power lines, trees and a shed in Amherst.	Cherry Co. Valentine	16	1802CST			0	0	4	3	Hail (1.75)
Nemaha Co. Peru	09	0046CST			0	0	4	0	Lightning										One and three-quarter inch hail fell at Valentine, causing damage to roofs and vehicles.
									Fire started by a lightning strike destroyed a home in Peru.	Logan Co. Stapleton	16	2145CST			0	0	3	1	Thunderstorm Wind
Red Willow Co. McCook	09	0530CST			0	0	3	1	Flash Flood										Strong winds blew the roof off a garage just north of Stapleton.
									Heavy rain caused urban flooding in McCook, with some concrete damage to streets having been reported.	Dawson Co.	17	0400CST			0	0	4	4	Flash Flood
Dodge Co. Ames and Fremont	12	1350CST-1410CST			0	0	5	6	Hail (4.5), Thunderstorm Wind										Up to 5 inches of rain in 3 hours across the area of north and east Dawson County pushed small creeks out of banks, flooded roads, and damaged crops. Five inches of rain was reported 9 miles northeast of Lexington.
									Hail upwards to 4½ inches in diameter destroyed crops and damaged buildings and vehicles from around Ames through and to the southeast of Fremont. Wind gusts also downed trees and power lines in Fremont. Rainfall of around ¾ inches in less than an hour also flooded many streets in Fremont, some to waist deep levels. Another 1-mile-wide swath of hail with stones of around 1 and ¾ inches heavily damaged crops from 10 miles northwest to 5 miles north of Fremont.	Sarpy Co. 4E Gretna	18	1542CST			0	0	3	3	Hail (1.75)
																			One and three-quarter inch hail fell about 4 miles east of Gretna, and some damage to vehicles and crops in the area was reported.
										Douglas Co. Millard	18	1558CST			0	0	2	2	Hail (0.75)
																			Three-quarter inch hail was reported near Millard with minor damage.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>NEBRASKA</b>									
Douglas Co. Omaha	18	1617CST			0	0	3	0	Lightning
									Lightning blew a 3 foot hole in the roof of a home in Omaha.
Saline Co.	19	Daytime			0	0	2	3	Flood
									Turkey Creek rose to 2.4 feet over flood stage at Wilber, flooding bottomlands.
Jefferson Co. 3NW Diller	22	1710CST			0	0	1	3	Hail (1.25)
									One and a quarter inch hail caused minor crop damage 3 miles northwest of Diller.
Banner Co. 15NW Harrisburg	23	1623CST	0.2	30	0	0	5	2	Tornado (F1)
									A tornado touched down 15 miles northwest of Harrisburg, destroying a barn and uprooting trees.
Scottsbluff Co. 4S Mitchell	23	1629CST			0	0	2	4	Hail (0.75)
									Wind-driven 3/4 inch hail damaged crops in the area about 4 miles south of Mitchell.
Banner Co. Harrisburg	23	1748CST			0	0	1	4	Hail
									Hail, gusty winds and heavy rain damaged crops in the Harrisburg area.
Frontier Co. 10W Maywood	24	1430CST			0	0	0	0	Funnel Cloud
									Funnel clouds were reported by spotters 10 miles west of Maywood.
Antelope Co. Clearwater and Orchard	24	1520CST			0	0	4	4	Hail (0.75), Thunderstorm Wind
									Three-quarter inch hail fell around Clearwater, damaging crops. Wind gusts caused extensive tree damage at Orchard.
Antelope Co. Oakdale	24	1545CST			0	0	3	2	Thunderstorm Wind (52)
									Wind gusts to 60 m.p.h. blew down trees in Oakdale.
Madison Co. 5W Norfolk	24	1600CST			0	0	4	2	Thunderstorm Wind
									Trees and power lines were blown down and the roof taken off of a shed by strong wind gusts 5 miles west of Norfolk.
Pierce Co. 2SW Pierce	24	1635CST			0	0	3	1	Thunderstorm Wind
									Wind gusts uprooted trees 2 miles southwest of Pierce.
Dakota Co. 1S South Sioux City	24	1741CST	0.2	20	0	0	3	1	Tornado (F0)
									A tornado touched down briefly 1 mile south of South Sioux City, damaging the roofs of a shed and a hangar.
Saline Co. 3N Crete	24	1820CST	0.1	30	0	0	4	2	Tornado (F1)
									A tornado touched down briefly on a farm 3 miles north of Crete, damaging outbuildings and trees.
Lancaster Co. Lincoln	24	1845CST			0	0	4	0	Thunderstorm Wind (52)
									Wind gusts to 60 m.p.h. downed trees in Lincoln. Some vehicles were damaged by the fallen trees.
Dakota Co. 5S Dakota City	24	1854CST			0	0	0	0	Funnel Cloud
									A funnel cloud was reported 5 miles south of Dakota City.
Cass Co. Union and Nehawka	24	1858CST			0	0	4	2	Thunderstorm Wind (65)
									Wind gusts up to 75 m.p.h. downed trees and power lines around Union and Nehawka.
Otoe Co. Nebraska City	24	1920CST			0	0	3	2	Thunderstorm Wind
									Thunderstorm wind gusts blew down power lines and trees in the Nebraska City area.
Arthur Co. Arthur	27	1820CST			0	0	1	2	Hail (1.00)
									One inch hail fell in open rangeland just east of Arthur; a little damage was reported.
Keith Co. 2NE Keystone	27	1945CST			0	0	3	2	Hail (1.00)
									One inch hail was reported 2 miles northeast of Keystone; minor damage to property was also reported.
Keith Co. 5N Lemoyne	27	1950CST	0.1	10	0	0	1	1	Tornado (F1)
									A small tornado touched down briefly 5 miles north of Lemoyne in rangeland; damage was not reported.
<b>NEBRASKA</b>									
Keith Co. 1NE Roscoe	27	1950CST	0.1	10	0	0	1	1	Tornado (F0)
									A small tornado touched down for a short time in rangeland 1 mile northeast of Roscoe; damage was not reported.
Keith Co. Roscoe	27	2005CST			0	0	3	2	Hail (1.75)
									One and three-quarter inch hail fell in the Roscoe area. Only minor damage to crops and a few vehicles was reported.
Furnas Co. Arapahoe	27	2155CST			0	0	1	4	Thunderstorm Wind (50)
									Wind gusts to 57 m.p.h. damaged crops around Arapahoe.
Furnas Co. Oxford	27	2215CST			0	0	4	4	Thunderstorm Wind
									High wind gusts blew down trees and damaged crops near Oxford.
Greeley and Nance Counties, Wolbach and Belgrade	28	1640CST-1730CST			0	0	5	6	Thunderstorm Wind (69), Hail (2.75)
									Wind gusts up to 80 m.p.h. accompanied by hail up to two and three-quarter inches broke windows out of buildings, windshields out of vehicles, and caused extensive crop damage along about a 5-mile-wide average path from just northwest of Wolbach to the vicinity of Belgrade.
Lincoln Co. North Platte	28	1710CST			0	0	5	3	Hail (1.75)
									One and three-quarter inch hail fell in the North Platte area, damaging some vehicles and roofs. Heavy rain with the storm caused some street flooding which affected businesses when storm sewers could not handle the water.
Lincoln Co.	28	1750CST			0	0	4	6	Hail (1.75)
									One and three-quarter inch hail damaged crops and some buildings' roofs in an area bounded from 12 miles north of Sutherland to 8 miles north of North Platte to Hershey.
Gosper Co.	28	1800CST			0	0	2	4	Hail (1.00)
									Hail upwards to 1 inch caused heavy damage to crops in extreme south Gosper County.
Lincoln Co. 2S North Platte	28	1845CST			0	0	2	2	Hail (1.75)
									One and three-quarter inch hail fell briefly 2 miles south of North Platte; only minor damage to crops and vehicles was reported.
Clay Co. Deweese	28	1900CST			0	0	4	4	Hail (1.25)
									One and a quarter inch hail driven by strong winds damaged crops and outbuildings in a 2-mile-wide and 4-mile-long strip near Deweese.
Furnas Co. Arapahoe	28	1938CST			0	0	6	6	Thunderstorm Wind (61), Hail (2.75)
									Wind gusts to around 70 m.p.h. and hail upwards to 2 and 3/4 inches did extensive damage to buildings and severely damaged crops around Arapahoe and areas north to the Gosper County line. Most buildings in Arapahoe sustained damage and windshields were broken in vehicles.
Franklin Co. Campbell	28	2030CST			0	0	2	4	Hail (1.00)
									One inch hail and high winds damaged crops just west of the Campbell area.
Clay Co. 1N, 1W Edgar	28	2045CST	0.1	20	0	0	2	1	Tornado (F0)
									A small tornado touched down briefly 1 mile north and 1 mile west of Edgar, causing little significant damage.
Fillmore Co. Geneva	28	2200CST			0	0	0	4	Hail (1.00)
									Wind-driven hail upwards to 1 inch damaged crops in farmlands around Geneva.
Gage and Pawnee Counties	29	0000CST			0	0	2	3	Flash Flood
									Three to four and a half inches of rain caused some crop damage and soil erosion from the area around Wymore to Table Rock.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	
<b>26 NEVADA</b>									
Elko County	7	1150PST			0	0	0	0	Funnel Cloud
									FSS personnel sighted a funnel at the north edge of Elko which only lasted a few seconds. In the words of the person who sighted it, "...a little nipple came out and went right back in."
Elko County	8	1410PST			0	0	0	0	Funnel Cloud
									A funnel cloud was spotted by the OIC at the WSO in Elko about 10 miles south of town. It lasted for about 5 minutes.
Elko County	10	1915PST			0	0	0	0	Funnel Cloud
									A funnel cloud in the Carlin area was spotted by the public.
Washoe County	13	1645PST			0	0	4	0	TSTM WIND(58)
	13	1700PST			0	1	0	0	Lightning
									A severe thunderstorm with frequent lightning moved through the Reno-Sparks area, knocking down trees and producing numerous power outages. Lightning struck a 27-year-old man, knocking him back 7 feet and singeing the hair on his legs. The bolt also touched the leg of his 2-year-old son, but the child was uninjured. The lightning also touched off numerous range fires, but no structures were damaged.
Washoe County	14	1245PST			0	0	3	0	TSTM WIND(58)
									Only minor damage was reported with this storm. It was accompanied by small hail and locally heavy rain which caused some street and intersection flooding, resulting in a number of minor traffic accidents. Lightning associated with the storm sparked brush fires, but no structures were damaged.
Elko County, Elko	14	1855PST #*10	5		0	0	2	0	Tornado(F0)
									Momentary touchdown of a funnel cloud sighted over Elko resulted in minor damage to a home and back yard. A few shingles were ripped off the roof. Outdoor chairs, two card tables and a child's playhouse in the backyard were all lifted about 20 feet in the air, then dropped. The playhouse was pretty much demolished.
NVZ001-002-005-006-007	15	0800PST			0	0	4	0	High Winds
Central, Eastern, and Southern Nevada									A cold, vigorous upper low moving into Nevada from the west produced high winds throughout the day. Winds gusted to 49 mph in Ely, 47 mph in Winnemucca, 41 mph in Elko and were reported in the 40 to 60 mph range from Clark County later in the afternoon. Interstate 80 was closed from about noon to 3:30 PM PDT between Winnemucca and Battle Mountain due to strong winds and blowing dust that reduced visibilities to near zero at times. These conditions resulted in a 26 car pile-up in this area with minor injuries to 12 people.
Carson City	26	1500PST			0	0	0	0	Lightning
									Lightning triggered a 700 acre timber fire about 3 miles northwest of Carson City. Several minor injuries resulted from smoke inhalation and burning embers. Five structures were destroyed including two homes.
<b>27 NEW HAMPSHIRE</b>									
Carroll County: Ossipee	08	0925EST			0	0	1	0	Hail (.75)
Wakefield	08	0940EST			0	0	1	0	Hail (.75)
									A severe thunderstorm moved through the area, producing 3/4 inch hail and strong winds.
Rockingham County, Hampton	08	2240 to 2255EST			0	0	4	0	Thunderstorm Wind
									A severe thunderstorm produced winds that tore the roof off a house.
Carroll County: Tamworth	13	1430EST			0	0	1	0	Hail (1.0)
Wolfeboro	13	1630EST			0	0	1	0	Hail (.75)
									Severe thunderstorms moved through the area, producing hail that fell for ten minutes in Wolfeboro and covered the ground in Tamworth.
Belknap County, Alton Bay	13	1635EST			0	0	1	0	Hail (.75)
									A severe thunderstorm produced dime size hail in Alton Bay.
Strafford County, Rochester	13	1731EST			0	0	1	0	Hail (.75)
									A severe thunderstorm produced 3/4 inch hail.
<b>28 NEW JERSEY, Northern</b>									
Monmouth County	13	2020EST			0	0	?	0	Thunderstorm Wind
									A severe thunderstorm moved across extreme southwestern Monmouth County, knocking down several large trees in Allentown.
<b>28 NEW JERSEY, Southern</b>									
Ocean County, Jackson	13	1630 EST			0	0	3	0	TSTM Wind
									Thunderstorm wind gusts brought down power lines.
Burlington County: 2 NW Mount Holly	13	1715 EST			0	0	?	?	Hail (1.75)
3 E Browns Mills	13	1735 EST			0	0	?	?	Hail (0.75)
									Golfball size hail fell near Mount Holly (West Hampton Township) and 3/4 inch hail fell near Browns Mills.
Mercer County, 1 S Hamilton Square	13	1940 EST			0	0	6	0	TSTM Wind, Hail (1.75)
									Thunderstorm wind gusts tore a large area of roofing off a hospital south of Hamilton Square. Heavy rain and golfball size hail then fell, adding to the damage which totaled one million dollars. A number of trees were leveled in a nearby park. Windows and window frames were blown out of 7 homes.
Mercer County: Hamilton Square	13	1945 EST			0	0	1	3	Hail (1.75)
North Crosswicks	13	1955 EST			0	0	3	0	TSTM Wind
									Golfball size hail fell at Hamilton Square and resulted in considerable damage to gardens and wheat fields. Hail was still on the ground at 9:30 AM EDT the next morning. Thunderstorm winds downed large trees in North Crosswicks and at least three roads were blocked.
Burlington County, Crosswicks	13	2012 EST			0	0	2	0	TSTM Wind
									Thunderstorm winds brought down large tree limbs.
Ocean County: Beach Haven	13	2020 EST			0	0	?	0	TSTM Wind (60)
Lakewood	13	2150 EST			0	0	3	0	TSTM Wind
5 N Toms River	13	2100 EST			0	0	3	0	TSTM Wind
3 W Toms River	13	2100 EST			0	0	3	0	TSTM Wind
									Thunderstorm wind gusts were measured at 50 to 60 knots at the Beach Haven Coast Guard Station. Thunderstorm winds brought down power lines in Lakewood and in Dover and Berkley Townships around Toms River.
Camden County: Cherry Hill	20	1800 EST			1	0	0	0	Lightning
Merchantville	20	1800 EST			0	0	?	0	Hail (0.75)
									Lightning struck and killed an 18-year-old man in a shopping center in Cherry Hill. Hail of 3/4 inch diameter fell in Merchantville. M180
<b>29 NEW MEXICO</b>									
San Miguel County	02	1240MST			1	2	0	0	Lightning
									Three men were struck by lightning while working on a construction job 25 miles south of Las Vegas. One man was burned on his legs. Another man, 70 feet from the bolt, was knocked down and injured. The third man was killed. M400
Chaves County	03	1345MST			0	0	0	0	Flash Flood
									Street flooding occurred in Roswell. One street was barricaded due to deep water.
Dona Ana County	07	1700MST			0	0	2	0	Flash Flood
									Rains, unofficially two inches in 30 minutes, produced street flooding in Hatch. Water flooded some businesses and the police department, although damage was not extensive.
Eddy County	08	1030MST			0	0	0	0	Flash Flood
									Local street flooding occurred in Carlsbad. Rainfall of 1.50 inches was received in a few hours.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS		
<b>NEW MEXICO</b>										
Lea County	12	1845MST			0	0	0	0	Funnel Cloud	
			A funnel cloud was reported by the Lovington sheriff in southeast Hobbs.							
Eddy County	12	2132MST			0	0	0	0	Hail (1.00) and Thunderstorm Wind (51)	
			One inch hail and strong thunderstorm winds were reported from the Otis community, 5 miles southeast of Carlsbad.							
Chaves County	21	1738MST			0	0	3	0	Thunderstorm Wind (51) and Hail (0.25)	
			Strong thunderstorm winds occurred just east of the airport at Roswell. A few mobile homes and other smaller structures were damaged, and a few trees were uprooted. Some small hail also occurred at the airport.							
Eddy County	21	1845MST			0	0	0	0	Hail (1.50)	
			An observer at Carlsbad reported hail at the airport.							
Eddy County	21	1854MST			0	0	0	0	Hail (0.75)	
			A Carlsbad weather spotter reported hail.							
Union County	24	1455MST			0	0	4	?	Hail (1.75)	
			The sheriff reported golfball size hail between Des Moines and Grenville. Damage was done to a few mobile homes and windshields of cars.							
Luna County	24	1500MST			1	0	0	0	Lightning	
			A man on a motorcycle was struck by lightning 25 miles northwest of Deming. #40V							
Quay County	24	1740MST	?	?	0	0	0	0	Tornado (FO), Hail (1.75)	
			The sheriff reported a tornado 10 miles west of Nara Vista. Golfball size hail was also observed.							
Quay County	24	1857MST			0	0	?	?	Hail (1.75) and Thunderstorm Wind (56)	
			Golfball size hail was accompanied by high winds at San Jon.							
Roosevelt County	24	1930MST			0	0	0	0	Hail (0.75)	
			The Portales Civil Defense reported hail at Floyd.							
Chaves County	26	after 0000MST			0	0	3	0	Thunderstorm Wind	
			Thunderstorm winds destroyed a small barn and small garage just northeast of the Roswell city limits.							
Otero County	26	2205MST	?	?	0	0	0	0	Tornado (FO)	
			A tornado was spotted by the weather staff at Holloman Air Force Base near Alamogordo.							
San Miguel County	27	1100MST			0	0	0	0	Funnel Clouds	
			A weather spotter observed two funnel clouds west of Las Vegas between Hermits Peak and Elk Mountain. Hail and heavy rain were also reported.							
Bernalillo County	29	1400MST	**50	20	0	0	0	3	0	Tornado (FO)
			A tornado touched down at the state fairgrounds in Albuquerque. It destroyed a few horse stalls. Its classification as a tornado is based on eyewitness accounts and the fact that cinder blocks were thrown from 20 to 100 feet.							
Quay County	29	1715MST			0	0	4	0	Thunderstorm Wind	
			Mobile home windows and a pickup's windshield were blown out by thunderstorm winds between San Jon and Tucumcari.							
De Baca County	29	1930MST			0	0	3	?	Thunderstorm Wind and Hail (?)	
			A strong storm swept from southwest to northeast through Fort Sumner. Some minor damage was done to permanent structures, and weaker buildings, mostly barns, and some trees were blown down.							
Curry County	29	1930MST			0	0	0	0	Funnel Cloud and Thunderstorm Wind	
			The Tucumcari sheriff reported a funnel cloud as a storm passed San Jon. A few cars were blown off of Interstate 40 by the storm's winds.							
<b>NEW MEXICO</b>										
San Miguel County	30	2030MST			0	0	5	0	Hail (1.75-2.50)	
			The Corps of Engineers at Conchas Lake reported hail the size of golf balls, with some stones as large as tennis balls. The storm lasted 30 minutes. Car windows were broken and house roofs were damaged. Additional damage was done on the side of the lake opposite to the Corps of Engineers. The golf course at Conchas Lake also received damage.							
Quay County	30	2035MST			0	0	0	0	Funnel Cloud	
			A state trooper reported a funnel just west of Tucumcari.							
<b>30 NEW YORK, Coastal ——— NONE REPORTED</b>										
<b>30 NEW YORK, Central</b>										
Ulster County, Walkill	01	1828EST			0	0	0	2	Thunderstorm wind	
			Thunderstorm winds uprooted trees in Walkill.							
Oneida County	04	1345EST			0	3	5	0	Heavy Rain	
			Three accidents within approximately 1/2 hour caused three injuries. Local police listed the cause as poor visibility due to heavy rain.							
Franklin County, Moria	08	1900EST			0	0	4	2	Thunderstorm wind	
St. Lawrence County	08	1700EST			0	0	3	2	Thunderstorm wind	
			Thunderstorm winds blew the roof off of one trailer and brought down trees in the town of Moria. In St. Lawrence County winds blew down power lines in Morristown and Rensselaer Falls. The later started a small fire which was quickly extinguished by local volunteer firefighters.							
			*Damage continued into Vermont.							
Dutchess County	13	1200EST			0	0	0	2	Hail (0.75)	
Columbia County: Valantie	13	1225EST			0	0	3	3	Hail (0.75)	
Valantie	13	1300EST			0	0	2	2	Hail (0.50)	
Dutchess County, Millerton	13	1645EST			0	0	0	3	Hail (1.0)	
Orange County	13	1645EST			0	0	3	3	Thunderstorm wind	
			Severe thunderstorms with high winds moved across the Columbia, Dutchess, and Orange county areas.							
Oneida County: Rome	22	1327EST			0	0	4	0	Lightning	
Boonville	22	1400EST			0	0	5	4	Flash Flood	
			Heavy rain fell on the town of Boonville on the afternoon of the 22nd. Local observers reported 5.0 inches of rain between 1400 and 1600EST. The flood of the Mill Creek washed out a 50 foot section of Route 12. Also washed out was a portion of Cemetery Road.							
Otsego County	22	1500EST			0	0	5	0	Lightning	
	22	1510EST			0	0	3	0	Flash Flood	
			Lightning struck the towns of Oneonta and Mt. Vision, causing considerable electrical damage. Flooding was also reported in the village of Cooperstown.							
Otsego County, Gilbert Lake State Park	22	1600EST	.3	33	0	0	4	3	Waterspout-Tornado (FO)	
			A tornado moved through Gilbert Lake State Park. Damage was minimal. The tornado, which was observed by local residents, formed over Lake Gilbert as a waterspout, then moved over land.							

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	
<b>NEW YORK, Central</b>									
Montgomery County	22	1945EST			0	1	5	0	Flash Flood
Saratoga County	22	2005EST			0	0	5	0	Flash Flood
	Intense thunderstorms produced locally heavy rainfall over a wide area of Montgomery County. Flash flooding occurred along County Route #67, the city of Amsterdam and in the town of Glen. In Saratoga County rainfall amounts of over 4.5 inches (4.66) were reported in Milton Center. Minor flooding also occurred along the Kayaderosseras Creek. One male was slightly injured when his pickup truck fell into a washed-out ditch.								
Fulton County, Caroga Lake	27	1755EST			0	0	3	2	Hail (1.25)
	Golf ball size hail was reported by local police units in Caroga Lake.								
<b>30 NEW YORK, Western</b>									
Lewis County, Lowville (26ESE Watertown)	04	1638EST	0.4	50	0	0	4	0	Tornado (F0)
	Two funnel clouds, side by side, touched down as a single tornado in the northeast corner of Lowville. A large tree was knocked down against a house and siding was torn from another.								
Wayne County	12	2330EST			0	0	3	0	Lightning
	Lightning severed power lines in the villages of Lyons and Clyde. Power outages lasted a few hours.								
Erie County	12	2340EST			0	0	3	0	TSTM Wind and Rain
Cattaraugus County	13	0100EST			0	0	3	0	TSTM Wind and Rain
	Strong winds knocked down trees and power lines in Springville in southern Erie County, and in Delevan and Franklinville in northern Cattaraugus County. Heavy rain flooded some streets.								
Erie County	12	evening			0	0	3	0	TSTM Wind and Rain
	Thunderstorm winds cut power lines. Rain caused street flooding.								
Allegany and Cattaraugus Counties	13	0100EST			0	0	3	0	Lightning
	Lightning struck power lines in Allegany and Cattaraugus counties. The chimney of a house in the town of Allegany, Cattaraugus County was blown away by lightning.								
Erie County	13	1130EST			0	0	4	0	Lightning
	A lightning bolt struck a furnace vent on the roof of a house in Cheektowaga and started a fire. The fire spread to the lower levels of the home before it was extinguished.								
Erie County	22	1400EST			0	0	4	0	Rain
	Heavy thunderstorms pounded the Buffalo metropolitan area. As much as 5.01 inches of rain was recorded at the Buffalo International Airport. Scatjaquada Creek set a record peak at 5 feet above flood stage. Portions of two major expressways were flooded with up to waist-deep water. Thousands of afternoon commuters were stranded in mile-long tie-ups which lasted a few hours. Hardest hit with road and basement flooding were parts of the Black Rock section of Buffalo and North Buffalo. The Buffalo suburbs of Cheektowaga, Depew, Amherst, and Lancaster were also hit with road flooding.								
Ontario County	23	morning			0	0	3	0	Rain
	More than 2 inches of rain fell in a 30-hour period ending at 9 am. Streets and basements were flooded in Geneva.								
Niagara County	26	1330EST			0	0	3	0	TSTM Winds
	Strong thunderstorm winds toppled 5 tall trees along Drum Road.								
Cattaraugus County	27	1345EST			0	0	3	0	TSTM Winds
Livingston County	27	1505EST			0	0	3	0	Hail (0.75)
	Tree limbs were broken by strong thunderstorm winds in southeast Cattaraugus County. Hail fell at Dansville in Livingston County.								
<b>31 NORTH CAROLINA</b>									
Buncombe Co. Southern	01	1400EST			0	0	0	0	TSTM Winds
Wake Co. 3 S Rolesville	01	1430EST			0	0	3	?	TSTM Winds, Hail (0.75)
Henderson Co. Northern	01	1530EST			0	0	4	0	TSTM Winds, Flash Flood
Buncombe Co. Rowan Co. 12 West	01	1530EST			0	0	3	0	Flash Flood
Salisbury	01	1700EST			0	0	4	0	TSTM Winds
Rockingham Co. Leaksville	01	1830EST			0	0	4	0	TSTM Winds
Guilford Co. Brown's Summit	01	1835EST			0	0	4	?	TSTM Winds
Guilford Co. 6 East	01	1900EST			0	0	3	0	TSTM Winds, Hail (1.75)
Brown's Summit	01	1925EST			0	0	4	0	TSTM Winds
Union Co. Monroe	01	1925EST			0	0	4	0	TSTM Winds
	Severe storms developed across western North Carolina during the mid afternoon. Around the Asheville airport, some slow-moving thunderstorms dumped perhaps as much as 4 to 6 inches of rain in some spots (4.4 inches at AVL). This caused a few creeks to overflow their banks, closed some roads for awhile, and flooded some golf courses. In the same area of Buncombe and Henderson counties, trees were blown down by high winds from these storms. At Leaksville, many trees were blown down and the roofs of some buildings were damaged by wind. A particularly severe storm affected parts of Guilford County - the roofs of two buildings were removed and numerous trees were downed. A storm at Monroe caused widespread power outages as trees were blown onto power lines; one home was severely damaged by a large tree that fell on it. West of Salisbury, farm buildings were severely damaged by high winds from storms. An isolated severe storm in eastern Wake County damaged two old barns and blew down some trees. There were only a few reports of large hail with these storms.								
Burke Co. near Morganton	03	1545EST			0	0	0	0	TSTM Winds
Lincoln Co. Eastern	03	1750EST			0	0	?	?	TSTM Winds
Gaston Co. Northeast	03	1750EST			0	0	3	?	TSTM Winds
Henderson Co. Hendersonville	03	1800EST			0	0	4	0	TSTM Winds
Gaston Co. Northeast	03	1810EST			0	0	0	?	Hail (0.75)
Mecklenburg Co. West-Central	03	1811EST			0	0	0	?	Hail (0.75)
Henderson Co. Southern	03	1835EST			0	0	?	?	Hail (1.25)
Hertford Co. Murfreesboro	03	1905EST			0	0	4	?	TSTM Winds (52), Hail (0.88)
Granville Co. 5 West	03	1930EST			0	0	0	0	TSTM Winds
Oxford	03	1930EST			0	0	0	0	Funnel Cloud
Chowan Co. Chowan River	03	1930EST			0	2	4	?	TSTM Winds, Hail (0.75)
Gates Co. Chinkpin River at NC561	03	1930EST			0	0	?	?	Funnel Clouds, TSTM Winds
Hertford Co. All	03	1935EST			0	0	?	?	Funnel Clouds, TSTM Winds
Durham Co. West	03	1950EST			0	0	3	0	TSTM Winds
Durham	03	1950EST			0	0	?	?	TSTM Winds
Bertie Co. Northern	03	1950EST			0	0	?	?	TSTM Winds
Martin Co. Southern	03	2045EST			0	0	4	0	TSTM Winds
Wayne Co. Goldsboro	03	2125EST			0	0	?	?	TSTM Winds
Johnston Co. All	03	2140EST			0	0	3	0	TSTM Winds, Hail (0.75)
Wake Co. Cary	03	2140EST			0	0	?	?	TSTM Winds, Hail (1.75)
Sampson Co. 8 West	03	2204EST			0	0	?	?	TSTM Winds (50)
Onslow Co. OAJ	03	2205EST			0	0	?	?	TSTM Winds (50)
Duplin Co. Chinquapin	03	2215EST			0	0	?	?	Hail (1.75)
	Separate areas of severe thunderstorms developed across the state. In the west, Henderson County had severe storms for the second day in three. This time, winds were strong enough to cause a tree to be blown partially through a house. Many power lines were blown down in the area as well, and large hail was observed. Power outages were widespread across all of the counties listed above in the western part of the state. About 3000 customers in Gaston County were without power when winds blew down trees and power lines. Similar conditions were reported in Lincoln County. In the eastern part of North Carolina another area of storms moved down from Virginia and caused damage in the northeastern counties. Two people were injured in Gates County when a tree was blown into the path of their car. Many reports of funnel clouds were received from these counties, but there was no strong evidence of any touchdowns. Power was out over most of Hertford County, and many roads were blocked by fallen trees. Other storms formed in the central part of the state, and caused damage across Johnston County, in Cary in Wake County, near Oxford in Granville County, and in Goldsboro in Wayne County. There, a tree was blown onto a car, and power outages were common. Large hail fell from some of the storms, especially as the storms moved into Sampson and Duplin counties.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>									
Burke Co, HKY	04	0250EST			0	0	?	0	TSTM Winds (56)
Hyde Co, Swanquarter	04	1510EST			0	0	?	?	Hail (0.88)
A couple of isolated severe thunderstorms were reported on the 4th day of June.									
Wilkes Co, near Kerr Scott Reservoir	16	1905EST			0	0	4	0	TSTM Winds
A roof was partially blown off a home and trees and power lines were blown down. Trees fell across two mobile homes, causing substantial damage.									
Hoke Co, Southeast	18	1300EST			0	0	?	0	TSTM Winds
Stanly Co, Stanfield	18	1430EST			0	0	3	0	TSTM Winds
Union Co, N Central	18	1530EST			0	0	?	?	Hail (0.75)
Gaston Co, All	18	1615EST			0	0	3	?	TSTM Winds
Buncombe Co, Weaver-ville	18	1800EST			1	3	0	0	Lightning
Intense thunderstorms caused a variety of problems. Trees and power lines were blown down in Hoke County as a storm moved through the sandhills. Windows were blown out of houses and trees and power lines were downed in Stanfield. Power to a number of customers in Gaston County was out due to high winds accompanying a storm. Large hail fell in Union County. A man was killed and 3 others injured at a construction site in Weaverville when lightning struck. They were standing under a tree waiting for the storm to pass. Up to 4 inches of rain fell around Black Mountain, causing a rock slide. Lightning, H390.									
Davidson Co, 6 NE Lexington	23	1555EST			0	2	0	0	TSTM Winds (50)
Wake Co, 1/2 South Rolesville	23	1745EST			0	0	4	0	TSTM Winds
Person Co, 8 South Roxboro	23	1800EST			0	0	3	0	TSTM Winds
Chatham Co, 8 North Pittsboro	23	1818EST			0	0	0	0	TSTM Winds
Buildings at the Lake Thom-A-Lex marina were damaged by high winds during a thunderstorm. 2 men suffered scratches and bruises as a result, and damage estimates approached \$25,000. More buildings were damaged in Wake County by high winds which also fell trees. Very large trees and outbuildings were damaged in southern Person County, and trees were blown across roads in 2 locations in Chatham County.									
Catawba Co, All	24	2100EST			0	0	4	?	TSTM Winds
A storm caused quite a bit damage, but mostly to trees and power lines across the county. Damage was more concentrated in the Newton-Conover area.									
Cabarrus Co, Northwestern	25	1805EST	4/10	200	0	0	4	0	TSTM Winds
A thunderstorm caused some trees to fall on a house, and damaged other buildings.									
<b>32 NORTH DAKOTA</b>									
Griggs County, Cooperstown	16	1650CST			0	0	0	0	Hail (0.75)
Hail 3/4 inch in diameter was reported by the Sheriff's office.									
Steele County, 12NE Finley	16	1737CST			0	0	0	0	Tstm. Wind G66
Wind gusts to 76 mph were reported by Air Force personnel.									
Stark County, Dickinson	16	1813CST			0	0	4	0	Tstm. Wind G62
Wind gusts to 71 mph were recorded at the Dickinson airport. The winds blew large branches off trees.									
Dunn County, Manning	16	1900CST			0	0	0	0	Tstm. Wind G61
Wind gusts to 71 mph were reported by the Sheriff's office.									
Stark County, Taylor	16	1915CST			0	0	0	0	Tstm. Wind G63
Wind gusts to 72 mph were reported by a Cooperative Observer.									
McKenzie County, 2S Watford City	16	1935CST			0	0	0	0	Hail (0.75)
Hail 3/4 inch in diameter was reported by a Cooperative Observer.									
Mercer County, Beulah	16	1953CST			0	0	4	0	Tstm. Wind G68 Lightning
Wind gusts to 78 mph were recorded at the coal gasification plant. The strong winds reduced visibilities to zero in blowing coal and field dust. The winds also uprooted trees and damaged roofs. Also, lightning struck and burned a warehouse.									
<b>NORTH DAKOTA</b>									
McLean County	16	2012CST	Short	5-15	0	0	5	?	Tornado (F0) Tstm. Wind G65
A brief tornado touchdown was sighted at Roseglen. Wind gusts to 75 mph were recorded at Garrison. The strong winds tore roofs off buildings, downed power lines, and damaged barns and other farm structures throughout western McLean County.									
Grant County, Carson	16	2015CST			0	0	0	0	Hail (0.75)
Dime-sized hail was reported by an observer for Weather Modification.									
Ward County, Ryder	16	2030CST	Short	5-15	0	0	4	0	Tornado (F0) Tstm. Wind
A brief tornado touchdown, with associated high winds, lifted roofs and damaged power lines.									
Mountrail County	16	2040CST			0	0	4	0	Tstm. Wind
Strong winds tore roofs off buildings, downed trees and power lines, and destroyed storage sheds throughout southern Mountrail County.									
Ward County, Minot	16	2045CST			0	0	4	0	Tstm. Wind G50
Wind gusts to 58 mph were recorded at the Minot airport. The winds uprooted trees; causing power, telephone, and cable TV outages.									
Renville County	16	2130CST			0	0	4	0	Tstm. Wind
Strong winds lifted an empty grain bin and blew it 400 yards away. The winds damaged old farm structures and downed tree branches throughout Renville County.									
Emmons County, 3S Braddock	16	2145CST			0	0	0	0	Tstm. Wind G52
McIntosh County, 3E Wishek	16	2215CST			0	0	0	0	Tstm. Wind
Strong winds destroyed barns and storage buildings, and blew over a radio tower and TV antenna.									
Ransom County, Lisbon	16	2345CST	Short	5-15	0	0	4	0	Tornado (F0)
A brief tornado touchdown occurred in a farmyard in rural Lisbon. The tornado uprooted large trees, and blew patio and yard furniture over 200 feet away.									
Cass County, Davenport	16	2359CST			0	0	0	0	Tstm. Wind
Strong winds broke off large tree branches in the town of Davenport.									
Barnes County, Valley City	17	0030CST			0	0	0	0	Tstm. Wind
Strong winds broke off large tree branches in Valley City.									
Steele County, Hope	17	0030CST			0	0	5	0	Tstm. Wind
Strong winds demolished a large barn and damaged farm machinery. The winds also downed trees and power lines throughout southern Steele County.									
Wells County, Harvey	17	Early Morning			0	0	4	0	Lightning
Lightning struck a home, knocking out the electrical power. A window was shattered and the broken glass injured a 29-year-old man.									
Dunn County, Marshall	22	1510CST			0	0	0	?	Hail (0.75)
Morton County, 10S Mandan	22	1615CST			0	0	4	0	Tstm. Wind
Strong winds destroyed two barns.									
McLean County	22	1650CST 1700CST			0	0	?	?	Tstm. Wind G56 Hail (0.75)
Wind gusts to 65 mph were reported 10 miles south of Max at 1650CST. At 1700CST, hail 3/4 of an inch in diameter occurred at Garrison. The wind and hail were accompanied by heavy rains of up to two inches in 30 minutes.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	
<b>33 OHIO</b>									
Putnam County	02	1109 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm destroyed a mobile home and downed trees in Dupont.							
Seneca County	02	1255 EST			0	0	5	3	Thunderstorm Wind
		A thunderstorm destroyed a barn and several sheds in Alvada. A number of trees were also downed.							
Hancock County	02	1335 EST			0	0	5	0	Thunderstorm Wind
		A thunderstorm felled trees and deroofed buildings at several locations in the county.							
Shelby County	02	1740 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm blew over trees in Anna and Sidney.							
Hardin County	02	1800 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm knocked over trees in Kenton.							
Cuyahoga, Geauga and Lake Counties	02	Evening			0	0	5	0	Flash Flood
		About five inches of rain fell within a few hours on the eastern portions of Cuyahoga County and the western portions of Geauga and Lake counties. The result was localized, but intense flooding. At least two cars were swept off roads, numerous highways were closed and several homes suffered heavy damage.							
Hardin County	02	Evening			0	0	5	?	Flash Flood
		A thunderstorm dropped approximately 6 inches of rain on the south-central part of the county in about five hours. A bridge and several cars were destroyed. Several buildings were damaged.							
Hamilton County	02	2345 EST			0	0	5	0	Thunderstorm Wind
		A thunderstorm produced 60 mph winds in Cincinnati. Trees were downed and a building deroofed.							
OHZ006 Marion County	03	1000 EST			0	0	2	?	Flood
		The Scioto River flooded at Larue. The river crested at a stage of 13 feet (flood stage 11 feet) at 8 p. m. on the 3rd, causing only minor damage.							
OHZ006 Marion County	05	0100 EST			0	0	0	0	Flood
		The Scioto River flooded at Prospect. The river crested at a stage of 10.4 feet (flood stage 10 feet) at 0700 EST on the 5th, which did not cause any damage.							
Huron County	08	1606 EST			0	0	4	0	Hail (.75)
		Large hail fell on Monroeville and Norwalk. The hail continued for several minutes.							
Lorain County	08	1607 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm downed trees in the southern part of the county.							
Trumbull County	08	1615 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm blew over trees in Newton Falls.							
Medina County	08	1636 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm felled trees at several locations in the county.							
Henry County	08	1642 EST			0	0	4	0	Thunderstorm Wind Hail (.75)
		A thunderstorm downed several trees in Ridgeville Corners. Large hail fell on Napoleon.							
Erie County	08	1645 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm knocked over trees at scattered locations in the southern part of the county.							
Mahoning County	08	1645 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm felled trees in Poland.							
Portage County	08	1645 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm blew over several trees. The damage was concentrated in the southern half of the county.							
<b>OHIO</b>									
Sandusky County	08	1700 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm downed trees and power lines.							
Columbiana County	08	1715 EST			0	0	4	0	Thunderstorm Wind
		Trees were downed in New Waterford and Rogers.							
Summit County	08	1715 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm blew over trees in the northern part of the county.							
Stark County	08	1720 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm toppled trees at several locations in the county.							
Wayne County	08	1720 EST			0	0	4	0	Thunderstorm Wind
		Trees were felled in Doylestown and several other locations.							
Hancock County	08	1759 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm damaged a barn and downed trees in Arcadia.							
Seneca County	08	1800 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm damaged a barn and felled trees near New Retgel.							
Richland County	08	1825 EST			0	0	5	0	Thunderstorm Wind
		A thunderstorm blew down a 100 foot radio tower as well as several trees in Mansfield.							
Van Wert County	08	1850 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm felled trees on the southern part of the city of Van Wert.							
Van Wert County	08	1915 EST			0	0	5	0	Thunderstorm Wind
		A thunderstorm toppled at least 20 trees in Middle Point. Several structures across the county were damaged.							
Allen County	08	1945 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm downed trees in Elida and Cairo.							
Tuscarawas County	13	1510 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm downed power lines at scattered locations in the county.							
Darke County	15	1708 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm toppled trees at several locations in the county.							
Montgomery County	15	1830 EST			0	0	5	0	Thunderstorm Wind
		A thunderstorm blew over at least 200 trees and caused structural damage in the Dayton area.							
Ottawa County	19	2010 EST			0	3	0	0	Hail (.75)
		A thunderstorm dropped large hail north of Genoa.							
OHZ002-003 Western portions of Lake Erie	27	Morning After-noon			0	0	0	0	Waterspouts
		Several large waterspouts developed over the lake. They caused no harm, but excited considerable public attention.							
Muskingum County	27	After-noon			0	0	4	0	Wind
		Non-thunderstorm winds gusting up to 46 mph felled some weak trees and downed some power lines.							
Holmes County	27	1330 EST			0	0	4	0	Thunderstorm Wind
		A thunderstorm knocked over trees and destroyed a barn in the northeast part of the county.							
Trumbull County	27	1345 EST			0	0	3	0	Hail (.75)
		Large hail fell between Warren and Howland.							
Trumbull County	27	1401 EST			0	0	3	0	Hail (.75)
		Large hail fell on the southern part of the county.							



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	
<b>OHIO</b>									
Mahoning County	27	1420 EST	1.5	40	0	0	5	0	Tornado (F1)
									A small tornado touched down in the southern part of Youngstown, destroying a trailer and damaging several garages.
Lake County	27	1933 EST			0	0	4	0	Thunderstorm Wind Hail (1.75)
									A thunderstorm caused structural damage in Wickliffe. The storm also produced golfball-sized hail in Willoughby Hills at 1945 EST.
Hancock County	29	1205 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm produced winds of 60 to 70 mph in Van Buren.
Seneca County	29	1240 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm blew over trees and destroyed an above-the-ground pool around Fostoria.
Huron County	29	1252 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm downed trees in the northern part of the county, especially around Norwalk.
Sandusky County	29	1303 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm downed trees just west of Bellevue.
Erie County	29	1304 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm felled trees in Sandusky. Winds of 60 mph were observed at the Sandusky docks.
Richland County	29	1330 EST			0	0	4	0	Hail (1.0)
									Large hail fell on Ontario.
Lorain County	29	1333 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm downed trees at several locations, especially in the city of Lorain. Winds of 66 mph were observed at the Lorain Lighthouse.
Cuyahoga County	29	1350 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm produced winds of 60 to 70 mph at Cleveland Hopkins Airport and Parma. Trees were downed in Cleveland Heights.
Ashland County	29	1405 EST			0	0	4	0	Hail (1.0)
									A thunderstorm dropped large hail at scattered locations in the county.
Cuyahoga County	29	1430 EST			0	1	0	0	Lightning
									A 14-year-old boy suffered minor injuries when lightning struck his house while he was taking a shower.
Geauga County	29	1430 EST			0	1	0	0	Lightning
									A 24-year-old man suffered minor injuries when lightning struck a tree he was working in. The incident occurred in Bainbridge.
Wayne County	29	1430 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm toppled trees at several locations. The worst damage was around Orrville.
Lake County	29	1440 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm produced winds of 60 mph in Perry Township and blew over trees in Painesville and Mentor.
Geauga County	29	1445 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm downed trees at several locations in the county.
Summit County	29	1445 EST			0	0	4	0	Thunderstorm Wind
									Trees were blown down in Barberton and the southern part of Akron by a thunderstorm.
Ashtabula County	29	1515 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm produced winds of 66 mph at the Ashtabula lighthouse and also felled trees at several locations in the county.
Columbiana County	29	1515 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm toppled trees east of Minerva.
<b>OHIO</b>									
Carroll County	29	1550 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm downed trees in the southern part of the county.
Stark County	29	1555 EST			0	0	5	0	Hail (2.5) Thunderstorm Wind
									A thunderstorm produced large hail and high winds at several locations in the county. Approximately 150 mobile homes, several cars, and a number of trees were destroyed or heavily damaged.
Henry County	29	1715 EST			0	0	4	0	Hail (1.0)
									A thunderstorm produced large hail in Hamler.
Paulding County	29	1830 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm blew down several power poles in the county.
Putnam County	29	1843 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm downed trees in Ottawa.
Hardin County	29	1900 EST			0	0	4	0	Thunderstorm Wind
									Trees on the west side of Kenton were blown over by a thunderstorm.
Mercer County	29	1900 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm toppled trees in Coldwater.
Belmont County	29	1910 EST	6	75	0	0	4	0	Tornado (F0)
									A small tornado set down about 6 miles southwest of Bellaire. The storm headed northeast, lifting just before it got to Bellaire. Numerous trees were knocked over, but otherwise damage was minor.
Hardin County	29	1920 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm felled trees in the eastern part of the county.
Hancock County	29	1930 EST			0	0	4	0	Thunderstorm Wind
									Trees were toppled in the southern part of the county by a thunderstorm.
Myandot County	29	1935 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm produced winds of 60 mph in Upper Sandusky.
Lorain County	29	1940 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm produced winds of 67 mph and downed trees in the city of Lorain.
Jefferson County	29	1950 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm destroyed two boat houses in Steubenville.
Crawford County	29	2000 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm toppled trees at numerous locations in the county.
Marion County	29	2000 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm downed trees and produced winds of 60 mph at Kirkpatrick.
Cuyahoga County	29	2015 EST			0	0	4	0	Thunderstorm Wind
									Trees were blown over in the eastern part of the county by a thunderstorm.
Lake County	29	2017 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm downed trees in Mentor and Painesville.
Richland County	29	2017 EST			0	0	4	0	Thunderstorm Wind
									Gusts up to 60 mph were observed at the Mansfield Airport. Trees were downed at several locations in the county.
Ashland County	29	2030 EST			0	0	4	0	Thunderstorm Wind
									Trees were toppled by a thunderstorm in the city of Ashland. A barn in the northwest part of the county was badly damaged.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM	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>OHIO</b>											<b>OKLAHOMA</b>										
Lorain County	29	2105 EST			0	0	5	0		Thunderstorm Wind	Grady County, 5 mi. S Amber	14	1740CST			0	0	?	?	Hail (0.75)	
										Trees were blown over due to a thunderstorm at several locations in the county. Several structures were also damaged.	Grady County, 3 mi. NE Chickasha	14	1808CST			0	0	4	?	?	Hail (1.00) and Tstm. Wind
Medina County	29	2113 EST			0	0	4	0		Thunderstorm Wind	A thunderstorm produced up to one-inch hail and 50 to 50 mile per hour winds across central Grady County. Several large trees were down and a metal barn was destroyed.										
										A thunderstorm blew down trees in Hinckley.											
Wayne County	29	2115 EST			0	0	4	0		Thunderstorm Wind	Haskoge County, 2 mi. E Braggs	15	1320CST			0	0	?	?	Hail (0.75)	
										Winds of 60 mph resulted from a thunderstorm in Orrville. Several trees were felled there.	Cherokee County, 12 mi. S Tahlequah	15	1340CST			0	0	?	?	Hail (0.88)	
Portage County	29	2129 EST			0	0	4	0		Thunderstorm Wind	Caddo County, 8 mi. NW Apache	15	1445CST			0	0	?	?	Hail (1.75)	
										A thunderstorm downed trees in Streetsboro. A window was blown out of a house.	Comanche County, 8 WNW Elgin	15	1450CST			0	0	?	?	Tstm. Wind	
Carroll County	29	2200 EST			0	0	4	0		Thunderstorm Wind	Pushmataha County, 2 NE Snow	15	1640CST			0	0	?	?	Hail (1.00)	
										A thunderstorm toppled trees and damaged buildings near Malvern.	Pushmataha County, near Finley	15	1700CST			0	0	?	?	Hail (1.00)	
Lucas County	30	1230 EST			0	0	4	0		Thunderstorm Wind	Grady County, Amber	15	1722CST			0	0	?	?	Hail (1.00)	
										Trees in the northwest part of the county were downed by a thunderstorm.	Grady County, 1.5 mi. W Minco	15	1739CST			0	0	?	?	Hail (0.75)	
Lucas County	30	1245 EST			0	0	4	0		Thunderstorm Wind	Pushmataha County, 3 mi. E Antlers	15	1740CST			0	0	?	?	Hail (1.00)	
										Trees in the northeast part of the county were downed by a thunderstorm.	Grady County, 2 mi. NE Chickasha	15	1815CST			0	0	?	?	Hail (0.75)	
<b>34 OKLAHOMA</b>											Choctaw County, Soper	15	1822CST			0	0	?	?	Hail (0.88)	
Beaver County, 5 mi. NE Booker	02	1415CST			0	0	?	?		Hail (1.75)	Canadian County, 10 mi. SW El Reno	15	1900CST			0	0	?	?	Hail (0.88)	
Woods County, 6 mi. NNE Camp Houston	02	1630CST			0	0	?	?		Hail (1.00)	Jefferson County, 6 mi. N Ringling	15	1915CST			0	0	?	?	Hail (0.88)	
Woods County, Plainview	02	1650CST			0	0	?	?		Hail (0.75)	Stephens County, 6 mi. E Loco	15	1920CST			0	0	?	?	Hail (1.00)	
Woods County, 10 mi. NE Camp Houston	02	1655CST			0	0	?	?		Hail (1.75)	Carter County, 3 mi. NW Healdton	15	1937CST			0	0	?	?	Hail (0.75)	
Alfalfa County, 4 mi. W Burlington	02	1705CST			0	0	?	?		Hail (0.75)	Garvin County, near Erin Springs	15	2039CST			0	0	?	?	Hail (1.00)	
Woods County, 3.5 mi. NW Alva	02	1715CST			0	0	?	?		Hail (1.00)	Garvin County, 5 mi. S Lindsay	15	2050CST			0	0	?	?	Hail (1.00)	
Alfalfa County, 2 mi. SE Burlington	02	1715CST			0	0	?	?		Tstm. Wind	Thunderstorms produced up to one-inch hail across portions of southern and eastern sections. Strong winds of 50 to 60 miles per hour occurred, downing trees and power poles.										
Kay County, Tonkawa	02	1811CST			0	0	?	?		Hail (0.88)	Pushmataha County, 2 mi. S Antlers	17	1455CST			0	0	?	?	Hail (0.88)	
Garfield County, near Waukomis	02	1900CST			0	0	?	?		Tstm. Wind (52)	Alfalfa County, 2 mi. NE Goltry	17	1605CST			0	0	?	?	Hail (0.75)	
Osage County, 2 mi. S Shidler	02	1900CST			0	0	?	?		Tstm. Wind (55)	Garfield County, 5 mi. W End	17	1620CST			0	0	?	?	Hail (0.88)	
										Thunderstorms produced hail up to golfball size, strong winds, and locally heavy rainfall across portions of the northwest and north-central areas. A hail storm in Beaver County destroyed 2 sections of wheat as it left a path between one and two miles wide and nearly 3 miles long.	Garfield County, 5 mi. E Bison	17	1655CST			0	0	?	?	Hail (0.88)	
Beaver County, Balco	11	1730CST			0	0	?	?		Hail (1.75)	Coal County, Coalgate	17	1725CST			1	2	?	?	Lightning	
										Golfball size hail fell in Balco.	Logan County, Marshall	17	1735CST			0	0	?	?	Hail (0.88)	
Kingfisher County, 10 mi. NW Okarche	13	1510CST			0	0	?	?		Hail (0.75)	Kingfisher County, 9 mi. E Hennessey	17	1755CST			0	0	?	?	Hail (0.75)	
Kingfisher County, 8 mi. W Okarche	13	1520CST			0	0	?	?		Tstm. Wind	Ellis County, Gage	17	1800CST			0	0	?	?	Tstm. Wind (50)	
Canadian County, 8 mi. NE Calumet	13	1530CST			0	0	?	?		Hail (1.00)	Kingfisher County, 9 mi. E Hennessey	17	1804CST			0	0	?	?	Hail (0.75)	
Kay County, 8 mi. SE Blackwell	13	1545CST			0	0	?	?		Hail (0.88)	Ellis County, Gage	17	1815CST			0	0	?	?	Tstm. Wind (62)	
Noble County, 4 mi. NE Billings and in Billings	13	1653CST			0	0	?	?		Hail (1.00)	Woodward County, Fort Supply Lake	17	1840CST			0	0	?	?	Tstm. Wind (52)	
Garfield County, 8 mi. NE Garber	13	1700CST			0	0	?	?		Hail (1.75)	Pontotoc County, 7 mi. S Fittstown	17	1845CST			0	0	?	?	Hail (0.88)	
										Thunderstorms produced strong winds and hail up to golfball size across central sections of the state.	Johnston County, 6 mi. S Mill Creek	17	1850CST			0	0	?	?	Hail (0.88)	
											Marshall County, Kingston	17	1900CST			0	0	?	?	Hail (0.75)	
											Dewey County, Camargo	17	1900CST			0	0	?	?	Tstm. Wind (52)	
											Roger Mills County, 6 mi. W Leedey	17	1912CST			0	0	?	?	Tstm. Wind (52)	
											Custer County, 7 mi. NW Butler	17	1940CST			0	0	?	?	Hail (1.50)	
											Ellis County, Gage	17	1950CST			0	0	?	?	Tstm. Wind (50)	
											Washita County, Burns Flat	17	1950CST			0	0	?	?	Hail (0.75)	
											Kiowa County, Lone Wolf	17	2015CST			0	0	?	?	Hail (1.00)	
											Custer County, Weatherford	17	2030CST			0	0	?	?	Tstm. Wind (52)	
											Custer County, 7 mi. NW Butler	17	2040CST			0	0	?	?	Hail (1.50)	
											Kiowa County, Hobart	17	2045CST			0	0	?	?	Hail (0.88)	
											Caddo County, Carnegie	17	2050CST			0	0	?	?	Tstm. Wind (56)	

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>									
Blaine County, Watonga	17	2055CST			0	0	?	?	Tstm. Wind (61)
Jackson County, Altus	17	2100CST			0	0	?	?	Hail (0.75)
Washita County, 5 mi. NW Carnegie	17	2100CST			0	0	?	?	Hail (0.88)
Jackson County, 3 mi. SW Altus	17	2125CST			0	0	?	?	Hail (0.75)
Grady County, Chickasha	17	2130CST			0	0	?	?	Tstm. Wind (56)
Canadian County, 4 mi. W El Reno	17	2134CST			0	0	?	?	Hail (1.00)
Caddo County, Anadarko	17	2140CST			0	0	?	?	Tstm. Wind (52)
Comanche County, Elgin	17	2140CST			0	0	3	?	Tstm. Wind (61)
Logan County, Seward	17	2145CST			0	0	?	?	Tstm. Wind (52)
Canadian County, El Reno	17	2153CST			0	0	?	?	Hail (0.75)
Comanche County, Fort Sill	17	2155CST			0	0	?	?	Hail (0.75)
Oklahoma County, Will Rogers Airport	17	2155CST			0	0	4	?	Tstm. Wind
Comanche County, Lawton	17	2200CST			0	0	4	?	Hail (0.75)
Comanche County, Geronimo	17	2230CST			0	0	5	?	Tstm. Wind Hail (0.75)
McClain County, 2 mi. SW Goldsby	17	2230CST			0	0	?	?	Tstm. Wind (55)
			<p>Thunderstorms occurred over a large portion of the state producing hail up to 1 1/2 inch size and a vivid display of lightning. A line of thunderstorms developed across western sections and moved eastward producing winds of 60 to 70 miles per hour. Many trees and power poles were downed. Six aircraft were overturned at Will Rogers Airport. Comanche County had widespread damage as a mobile home park was hit in Geronimo. Twenty-two mobile homes were damaged, 3 destroyed, 18 houses damaged, and part of the roof of a school was taken off causing damage estimated at \$250,000. A semi-trailer truck was blown off a turnpike and an apartment complex, under construction, was blown down. Hail of 1/2 to 3/4 inch size accompanied the wind and broke many windows. Lightning struck a ballfield in Coalgate, killing a boy and injuring two others. LIGHTNING M120.</p>						
Osage County, Fairfax	18	0010CST			0	0	?	?	Tstm. Wind (52)
			<p>A thunderstorm produced 60 mile per hour winds, uprooting several trees and downing several power poles.</p>						
Custer County, 3 mi. SW Butler	19	0858CST			0	0	?	?	Tstm. Wind (52)
Custer County, 2 mi. S Hammon	19	0900CST			0	0	?	?	Hail (0.75)
Custer County, Arapaho	19	0915CST			0	0	?	?	Tstm. Wind (52)
Washita County, Foss	19	0920CST			0	0	?	?	Tstm. Wind (52)
Custer County, 5 mi. W Clinton	19	0930CST			0	0	?	?	Hail (1.75)
Washita County, 3 mi. NNW Corn	19	0945CST			0	0	?	?	Tstm. Wind (52)
Washita County, 3 mi. ENE Corn	19	1000CST			0	0	?	?	Hail (0.75)
Caddo County, 3 mi. SW Albert	19	1005CST			0	0	?	?	Tstm. Wind (65)
Caddo County, 5 mi. NW Anadarko	19	1050CST			0	0	?	?	Hail (0.75)
Caddo County, Anadarko	19	1106CST			0	0	?	?	Tstm. Wind (55)
Lincoln County, Chandler	19	1148CST			0	0	?	?	Hail (0.75)
Garvin County, Lindsay	19	1152CST			0	0	?	?	Hail (0.75)
Garvin County, 3 mi. S Lindsay	19	1155CST			0	0	?	?	Tstm. Wind (52)
Creek County, Bristow	19	1205CST			0	0	?	?	Tstm. Wind (52)
Tulsa County, Sand Springs Airport	19	1227CST			0	0	?	?	Tstm. Wind (52)
Cotton County, 5 mi. SSE Temple	19	1255CST			0	0	?	?	Hail (0.75)
Tulsa County, Tulsa	19	1300CST			0	0	?	?	Tstm. Wind (52)
Rogers County, Catoosa	19	1300CST			0	0	?	?	Tstm. Wind (58)
Carter County, 5 mi. N Ardmore	19	1300CST			0	0	?	?	Hail (0.75)
Murray County, Davis	19	1302CST			0	0	?	?	Tstm. Wind (52)
Jefferson County, 2 mi. E Hastings	19	1305CST			0	0	?	?	Hail (0.75)
Tulsa County, Bixby	19	1305CST			0	0	?	?	Tstm. Wind (52)
Okmulgee County, Eastern Okmulgee	19	1320CST			0	0	?	?	Tstm. Wind (52)
<b>OKLAHOMA</b>									
Carter County, near Dickson	19	1327CST			0	0	?	?	Hail (0.75)
McIntosh County, Chcoctah	19	1345CST			0	0	?	?	Tstm. Wind (61)
Mayer County, Pryor	19	1355CST			0	0	?	?	Tstm. Wind (54)
Marshall County, 2 mi. W Antioch	19	1410CST			0	0	?	?	Hail (1.00)
Cherokee County, Tahlequah	19	1420CST			0	0	?	?	Tstm. Wind (52)
Coal County, Lehigh	19	1425CST			0	0	?	?	Hail (0.88) and Tstm. Wind (52)
Atoka County, Atoka	19	1432CST			0	0	?	?	Tstm. Wind (52)
Delaware County, Grove	19	1442CST			0	0	?	?	Tstm. Wind (56)
Bryan County, Calera	19	1450CST			0	0	?	?	Tstm. Wind (56) and Flash Flooding
Ottawa County, Ottawa	19	1450CST			0	0	?	?	Tstm. Wind
Blaine County, 3 mi. SE Hitchcock	19	1500CST			0	0	5	?	Lightning
Bryan County, Colbert	19	1505CST			0	0	?	?	Hail (0.88) and Tstm. Wind (52)
Grady County, 5 mi. NE Verden	19	1900CST			0	0	?	?	Hail (1.75)
Canadian County, 1 mi. SE Union City	19	2000CST			0	0	?	?	Tstm. Wind (56)
Grady County, Tuttle	19	2012CST			0	0	?	?	Hail (0.75)
Cleveland County, 3 mi. W Moore	19	2038CST			0	0	?	?	Tstm. Wind (52)
			<p>Thunderstorms produced 60 to 70 mile per hour winds and hail up to golfball size across portions of the state. The winds downed trees and power poles across many areas. Heavy rains also occurred with the storms as 2 to 3 inch amounts were common. Heavy rainfall in a short time caused flooding in Calera, forcing a nursing home to be evacuated due to high water. Lightning caused \$60,000 damage to a house near Hitchcock.</p>						
Cimarron County, North of Boise City	21	1900CST			0	0	?	?	Hail (1.00)
			<p>Several wheat fields suffered hail damage north of Boise City.</p>						
Ellis County, Fargo	22	0130CST			0	0	?	?	Tstm. Wind (52)
Pawnee County, near Pawnee	22	1508CST			0	0	?	?	Hail (0.75)
Tulsa County, Tulsa	22	1525CST			0	0	?	?	Hail (0.75)
Hughes County, 4 mi. S Galvin	22	1545CST			0	0	?	?	Hail (0.75)
			<p>Widely scattered thunderstorms produced small hail and gusty winds up to 60 miles per hour.</p>						
Muskogee County, 1 mi. S Haskell	23	0600CST			0	0	?	?	Tstm. Wind (52)
			<p>Strong winds along with 1/2-inch size hail destroyed a barn.</p>						
Garvin County, 7 mi. SE Lindsay	23	1444CST			0	0	?	?	Hail (1.00)
Stephens County, 3 mi. SE Marlow	23	1542CST			0	0	?	?	Hail (0.75)
Coal County, 1 mi. W Tupelo	23	1545CST			0	0	?	?	Hail (0.75)
Stephens County, Duncan	23	1610CST			0	0	?	?	Hail (0.75)
Atoka County, 1 mi. N Atoka	23	1625CST			0	0	?	?	Tstm. Wind
Stephens County, 2 mi. S Marlow	23	1630CST			0	0	?	?	Hail (0.88)
Choctaw County, Soper	23	1635CST			0	0	?	?	Tstm. Wind (61)
Bryan County, 1 mi. E Cade	23	1655CST			0	0	?	?	Hail (0.75)
Jefferson County, Waurika Lake	23	1700CST			0	0	?	?	Hail (0.75)
Johnston County, 5 mi. SE Tishomingo	23	1710CST			0	0	?	?	Hail (0.88)
Cotton County, 8 mi. S Temple	23	1715CST			0	0	?	?	Hail (1.00)
Marshall County, Little City	23	1715CST			0	0	?	?	Hail (0.88)
			<p>Thunderstorms produced 60 to 70 mile per hour winds and hail up to one inch size across southern portions of the state.</p>						

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	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>OKLAHOMA</b>										<b>36 PENNSYLVANIA, Eastern</b>									
Beckham County, Texola	24	0625CST			0	0	?	?	Tstm-Wind (52)	Lycoming County, 1E Oval	8	1545 EST			0	0	5	0	TSTM Wind
Harmon County, 9 mi. NW Vinson	24	0645CST			0	0	?	?	Tstm-Wind (52)	8	1545 EST			0	0	4	0	Lightning	
Greer County, 4 mi. N Vinson	24	0715CST			0	0	?	?	Tstm-Wind (52)	8	1825 EST			0	0	4	0	Lightning	
Harmon County, 5 mi. SE Gould	24	0750CST			0	0	?	?	Tstm-Wind (52)	Near Oval, in Limestone Township, thunderstorm wind gusts uprooted trees, tore off a barn roof, toppled a chimney, collapsed a shed, and destroyed a barn, corn mixer, wagon, pickup truck, trailer and boat. Lightning caused fires in a barn and an industrial building in Wuncy and in a furniture painting plant in Williamsport.									
Jackson County, Eldorado	24	0755CST			0	0	?	?	Tstm-Wind	Union County: Winfield 8 1630 EST 0 0 3 0 TSTM Wind 2E Glenn Iron 8 1850 EST 0 0 5 0 TSTM Wind 2E Weikert 8 1850 EST 0 0 4 0 Lightning Thunderstorm wind gusts brought trees down on a house in Winfield, damaging the roof. Thunderstorm wind gusts collapsed a barn near Glen Iron and lightning caused a fire that destroyed a cabin near Weikert.									
Early morning thunderstorms produced winds up to 60 miles per hour across southwestern sections.										Columbia County, Bloomsburg 8 1648 EST 0 4 0 0 Lightning Lightning struck near a house and stunned a man and woman and their two sons as they sat at the kitchen table. They all were unconscious for a brief time.									
Payne County, Cushing	25	0005CST			0	0	?	?	Tstm-Wind (55)	Centre County: Pleasant Gap 8 1735 EST 0 0 3 0 TSTM Wind Aaronsburg 8 1755 EST 0 0 3 0 TSTM Wind Thunderstorm winds downed trees in Pleasant Gap and Aaronsburg.									
Tulsa County, Tulsa	25	0100CST			0	0	?	?	Tstm-Wind (65)	Fulton County, Fort Littleton 13 1300 EST 0 0 3 0 TSTM Wind 13 1300 EST 0 0 ? 0 Hail (0.75) Thunderstorm winds downed trees and dime size hail fell in Fort Littleton.									
Tulsa County, Tulsa	25	0120CST			0	0	?	?	Tstm-Wind	Clinton County, Lock Haven 13 1455 EST 0 0 3 0 TSTM Wind Thunderstorm wind gusts downed trees and power lines. Heavy rain and 1/4 to 1/2 inch hail fell.									
Early morning thunderstorms produced strong winds which downed trees and power lines. Many power outages occurred in Tulsa.										Centre County: Axeman Stormstown 13 1500 EST 0 0 2 0 TSTM Wind 13 1510 EST 0 0 2 0 TSTM Wind The thunderstorm winds brought down large tree limbs in Stormstown and between Bellefonte and Pleasant Gap. One-quarter inch hail also fell between Bellefonte and Pleasant Gap.									
Jackson County, Blair	29	1910CST			0	0	?	?	Hail (1.75)	Bradford County, Wyalusing 13 1502 EST 0 0 4 0 TSTM Wind Thunderstorm wind gusts tore siding off a house and brought down a tree on an automobile. There also was some heavy rain and small hail.									
Greer County, 3 mi. NE Hester	29	1930CST			0	0	?	?	Hail (0.88)	Bucks County, Morrisville 13 1920 EST 0 0 ? 0 Hail (1.0) Hail 3/4 to 1 inch in diameter fell in Morrisville.									
Jackson County, 5 SSW Altus	29	2039CST			0	0	?	?	Hail (1.75)	York County: 10 W Spring Grove 30 1403 EST 0 0 3 0 TSTM Wind 5 W Spring Grove 30 1425 EST 0 0 3 0 TSTM Wind Thunderstorm winds downed trees in the area west of Spring Grove.									
Jackson County, Altus	29	2100CST			0	0	?	?	Hail (1.75) and Heavy Rain	Huntingdon County, Raystown Dam 30 1440 EST ? ? 0 0 4 0 Tornado (F0) A tornado touched down briefly on Raystown Lake and moved across the Seven Points Marina. Boats were overturned and moved. Docks and piers were twisted and damaged. Small hail and heavy rain also fell.									
A thunderstorm in southwestern sections produced several funnel clouds, hail up to golfball size, and up to 4 inches of rainfall.																			
<b>35 OREGON</b>																			
ORZ007 Crook County	09	1300PST			0	0	?	?	Flash Flood	1.25 inches of rain fell in 20 minutes from a thunderstorm on the upper Bear Creek about 40 miles south of Prineville Reservoir. A rancher reported that a 12 foot wall of water washed through his ranch. Damage occurred to fencing and irrigation equipment.									
ORZ011 Grant County Wallowa County	17	1245PST			0	0	?	?	Flash Flood	Thunderstorms formed over northeastern Oregon in the afternoon and evening. A flash flood was reported on Canyon Creek south of John Day in central Grant County. No damage was reported. One inch diameter hail was reported at Lostine in northern Wallowa County during the evening.									
ORZ007 Jefferson County	30	1400PST			0	0	?	?	Flash Flood	Hail of golfball size and larger was reported at 845 pm PDT in west and north portions of Klamath Falls. Numerous residences and vehicles received damage, including cars on at least three dealership lots. About half of the glass panes of a commercial greenhouse were broken, and crops were beaten down in several fields.									
ORZ008 Klamath County	30	1945PST			0	0	4	?	Hail (2.00)	Lightning from the storm caused a hay barn fire that destroyed 400 tons of hay, 4 trucks, and 3 tractors. The Wocus Fire Department reported a funnel cloud at approximately 900 pm PDT. Wocus is located about 3 miles north of Klamath Falls.									
	30	1945PST			0	0	?	?	Lightning										
	30	2000PST			0	0	0	0	Funnel										

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>									
Lancaster County, Mount Joy to Reinholds	30	1430 to 1522 EST			0	0	7	4	TSTM Wind and Hail (1.25)
<p>Thunderstorms winds caused a path of damage across the northern part of Lancaster County from Mount Joy to Reinholds. At least 100 farm buildings, 30 silos and 100 pieces of farm equipment were damaged. Many of the silos were unrepairable. There were at least 30 homes damaged. Roofs were off numerous homes and barns. One house trailer was overturned. Hail the size of ice cubes was reported. The hail and wind caused considerable agricultural damage. At least 12,000 customers suffered power outages. The storm moved through the Mount Joy area at around 3:30 PM EDT, but damage was only minor there. The storm passed the Manheim area at around 3:42 PM EDT, destroying barns, downing trees, damaging houses and lifting a greenhouse over two others and destroying it. Ice cube size hail also fell.</p> <p>The storm passed about 3 miles north of Lititz at around 3:54 PM EDT, where roofs were torn off at least 4 houses, a number of barns and other farm buildings were damaged or destroyed, corn was shredded by hail, trees were downed or uprooted, and utility poles were brought down, one of which landed on an automobile.</p> <p>Around 3:59 PM EDT the storm passed through Elizabeth Township stripping 25 to 30 houses of all or part of their roofs or collapsing their garages, and severely damaging 18 barns. By 4:06 PM EDT the storm moved through Clay Township where farm sheds were picked up, calf hutches turned upside down, wagons upended, and the top half of a silo removed. Also, many trees and limbs were blown down. The storm reached Reinholds at around 4:22 PM EDT, where many trees were down and many roofs damaged. A mobile home was overturned, one house was severely damaged by a falling tree, and one inch hail fell.</p>									
Berks County, 6 SW Reading to 10 E Reading	30	1527 to 1545 EST			0	0	5	?	TSTM Wind, Hail (0.75)
<p>Thunderstorms moving across southern Berks County damaged trees, utility lines and houses. At around 4:27 PM EDT in Spring Township (6 miles southwest of Reading), a house under construction was collapsed, a basement window was "sucked out" of a house, and 10 to 15 trees were knocked down. Hail 3/4 inch in diameter also fell. In Exeter Township (3 miles southeast of Reading), the storm passed around 4:34 PM EDT and knocked down a chimney and knocked down numerous trees, some falling on power lines and homes. Hail 3/4 inch in diameter also fell in this area. By 4:45 PM EDT, the storm reached an area about 3 miles southwest of Bechtelsville (10 miles east of Reading), bringing down several trees and many branches, and blowing out windows in some homes.</p>									
Adams County, Gettysburg	30	1530 EST			1	0	4	0	TSTM Wind (87), Hail (0.75)
<p>Thunderstorm wind gusts caused roof damage to homes, with the roofs off some homes. Part of the roof was blown off a nursing home just west of Gettysburg. The anemometer at a radio station just to the east of Gettysburg went off the scale at 100 MPH. The roof blown off a garage landed on a 57-year-old woman and killed her. Many trees were blown down and 3/4 inch hail fell. F570</p>									
<b>36 PENNSYLVANIA, Western</b>									
Westmoreland County, Lower Burrell and New Kensington (20 NW Greensburg)	01	1615EST			0	0	4	0	Flash Flood
<p>Up to 3 inches of rain during thunderstorms caused flooding along Pucketa Creek at Lower Burrell and New Kensington. One hundred and fifty homes were flooded in Lower Burrell.</p>									
Allegheny County, Hampton and Shaler Townships (10 N Pittsburgh)	01	1630EST			0	0	4	0	Flash Flood
<p>Flooding occurred along Little Pine Creek and Hart's Run after 2 1/2 inches of rain fell during a thunderstorm in Hampton and Shaler townships. The area was mainly affected by basement and road flooding. This is the second time within a week that this area had been flooded.</p>									
<b>PENNSYLVANIA, Western</b>									
Elk County, St. Mary's and Benzinger Townships (8 E Ridgeway)	08	1430EST			0	0	5	0	Thunderstorm Wind
<p>Large trees and power lines were downed; some trees fell into houses and onto cars.</p>									
Butler County, Slippery Rock (15 NW Butler)	08	1630EST			0	0	3	0	Lightning
<p>A home was struck by lightning.</p>									
Beaver County, New Sewickley (5 E Rochester)	08	1730EST			0	0	0	0	Thunderstorm Wind, Hail (0.75)
<p>Large trees were downed by winds, and three-quarter inch diameter hail fell.</p>									
Armstrong County, Rural Valley (10 E Kittanning)	08	1750EST			0	0	0	0	Thunderstorm Wind
<p>Large trees were uprooted.</p>									
Butler County, Winfield Township (12 SE Butler)	08	1800EST			0	0	0	0	Thunderstorm Wind
<p>Large trees were downed in Winfield Township.</p>									
Cambria County, Johnstown Airport	13	1045EST			0	0	0	0	Thunderstorm Wind (57)
<p>A fifty-seven knot wind was recorded during a thunderstorm at the Johnstown Airport.</p>									
Somerset County, 15 N Somerset	13	1420EST			0	0	0	0	Thunderstorm Wind
<p>Large trees were downed in Somerset.</p>									
Westmoreland County, Murrysville (12 NW Greensburg)	15	1700EST			0	0	0	0	Thunderstorm Wind
<p>Large trees were downed at Murrysville.</p>									
Westmoreland County, Greensburg	15	1700EST			0	0	0	0	Thunderstorm Wind
<p>Large trees were downed at Greensburg.</p>									
Allegheny County: Wexford (13 N Pittsburgh)	15	1715EST			0	0	0	0	Thunderstorm Wind
Brentwood (5 S Pittsburgh)	15	1715EST			0	0	0	0	Thunderstorm Wind
Monroeville (13 E Pittsburgh)	15	1715EST			0	0	0	0	Thunderstorm Wind
<p>Power lines were downed by thunderstorm winds at Wexford, Brentwood, and Monroeville.</p>									
Westmoreland County, Jeannette (5 E Greensburg)	15	1800EST			0	0	0	0	Flash Flood
<p>Three inches of rain during a thunderstorm swelled Brush Creek to a depth of 10 feet; its normal depth is one foot. Two people were trapped by a mudslide near Bouquet Airport. Also, there were reports of high water at Harrison City, Manor, and Penn Townships.</p>									
Allegheny County, Findlay and Moon Townships (11 E Pittsburgh)	20	0900EST			0	0	4	0	Flash Flood
<p>Two to three inches of rain that fell during a thunderstorm produced road flooding in Findlay and Moon townships. A bridge at White Swan Park was damaged by debris.</p>									
Cambria County, Johnstown Airport	20	0944EST			0	0	0	0	Thunderstorm Wind
<p>A fifty-seven mph wind was recorded at the Johnstown Airport.</p>									
Crawford County, Cochranon (10 SE Meadville)	21	1906EST			0	0	3	0	Lightning
<p>Lightning struck a home, causing damage to the attic.</p>									
Armstrong County, Putneyville (13 NE Kittanning) and Widnoon (9 N Kittanning)	21	1925EST			0	0	0	0	Thunderstorm Wind
<p>Lines were downed by thunderstorm winds near Putneyville and Widnoon.</p>									
Clarion County, Clarion	21	1925EST			0	0	0	0	Thunderstorm Wind
<p>Power lines were downed at Clarion.</p>									
Clarion County, New Bethlehem (14 S Clarion)	21	1935EST			0	0	0	0	Thunderstorm Wind
<p>Power lines were downed at New Bethlehem.</p>									
Venango County, Oil City (5 NE Franklin)	21	2000EST			0	0	3	0	Lightning
<p>Lightning struck a home, damaging the chimney and roof.</p>									
Westmoreland County, Delmont, Penn Township, and Export (6 N Jeannette)	22	2345EST			0	0	3	0	Flash Flood
<p>Road and basement flooding occurred at Delmont, Penn Township, and Export.</p>									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>PENNSYLVANIA, Western</b>														
Westmoreland County, Derry (14 NE Greensburg) and Murrys ville (11 NW Jeannette)	22	2345EST			0	0	3	0					Flash Flood	Road and basement flooding occurred at Derry and Murrys ville. The flooding was along the Brush and Turtle creeks.
Allegheny County, Monroeville (11 E Pittsburgh)	22	2345EST			0	0	0	0					Flash Flood	Road flooding occurred in Monroeville.
Erie County, North Springfield (19 SW Erie)	27	2020EST			0	0	0	0					Hail (0.75)	Three-quarter inch diameter hail fell at North Springfield.
Beaver County, Hopewell Township (8 S Beaver)	29	1610EST			0	0	3	0					Thunderstorm Wind	Trees and power lines were downed in Hopewell. A porch was torn off of a house as well.
Allegheny County, South Park (8 S Pittsburgh)	29	1650EST			0	0	0	0					Funnel Cloud	A funnel cloud moving east was spotted over South Park.
Washington County, Cecil Township (5 SW Bridgeville)	29	1710EST			0	0	4	0					Hail (1.25), Thunderstorm Wind, Lightning	One and a quarter inch hail fell in Cecil Township. Trees were downed by winds and lightning struck a house, setting the attic ablaze.
Allegheny County, Moon Township and Sewickley (12 W Pittsburgh)	29	1715EST			0	0	0	0					Thunderstorm Wind	Trees and power lines were downed by thunderstorm winds in Moon Township and Sewickley.
Washington County, Eighty Four (8 E Washington)	29	1730EST			0	0	0	0					Hail (1.75)	One and three-quarter inch diameter hail fell at Eighty Four.
Westmoreland County, Smithton (18 SW Greensburg)	29	1750-1755EST	0.5	20	0	0	0	0					Hail (1.75), Tornado (F0)	One and three-quarter inch diameter hail piled to a one-inch depth at Smithton. A tornado touched down briefly one-half mile south of Smithton, moved east from near the Youghiogheny River, and lifted one-half mile from its initial touchdown. Trees were uprooted and power lines downed.
Washington County, Finleyville (12 E Washington) and Finley (13 SW Washington)	29	1800EST			0	0	0	0					Funnel Cloud, Thunderstorm Wind	A funnel cloud was spotted 4 miles east of Finley. Trees and power lines were downed in Finley Township.
Fayette County, Everson (16 NE Uniontown)	29	1900EST			0	0	0	0					Hail (1.00), Thunderstorm Wind	One-inch diameter hail fell and trees were downed by wind at Everson.
Washington County, Paris (20 NW Washington)	29	2015-2020EST	0.5	30	0	0	0	0					Hail (1.75), Tornado (F1)	One and three-quarter inch diameter hail fell at Paris. A tornado touched down briefly one-quarter mile southwest of Paris and moved northeast for one-half mile, lifting roofs off of houses and uprooting trees. Fifty homes were damaged, 10 heavily. One woman was injured by flying glass.
Allegheny County; Dormont, Scott, Mt. Lebanon, Munhill, and West Mifflin (6 S Pittsburgh)	29	2045EST			0	0	0	0					Thunderstorm Wind	Trees and power lines were downed.
Crawford County, Saegertown (6 N Meadville)	29	2130EST			0	0	4	0					Thunderstorm Wind, Lightning	Winds downed large trees and lightning caused a gas well fire in Saegertown.
Crawford County, Cambridge Springs (12 N Meadville) and Conneautville (14 NW Meadville)	29	2150EST			0	0	0	0					Thunderstorm Wind	Trees were downed in Cambridge Springs and Conneautville.
Erie County, Corry (25 SE Erie)	29	2135EST			0	0	0	0					Thunderstorm Wind	Trees were downed.
<b>PENNSYLVANIA, Western</b>														
Crawford County, Titusville (23 E Meadville)	29	2210EST			0	0	3	0					Thunderstorm Wind, Lightning	Trees were downed by winds and there were numerous reports of lightning-induced fires.
Butler County, Slippery Rock (16 NW Butler)	29	2255EST			0	0	0	0					Thunderstorm Wind	Trees were downed by winds.
Butler County, Zelienople (14 SW Butler)	30	1755EST			0	0	0	0					Funnel Cloud	A funnel cloud was sighted over Zelienople.
Beaver County, Baden (5 SE Beaver)	30	1805EST			0	0	0	0					Funnel Cloud	A funnel cloud was sighted over Baden.
Westmoreland County, New Alexandria (10 NE Greensburg)	30	1810EST	0.5	20	0	0	4	0					Tornado (F0)	A tornado touched down southwest of New Alexandria and moved northeast. Exterior damage was done to 15 to 20 homes, and trees were uprooted. Some of the trees were as large as 8 feet in diameter.
Indiana County, Homer City (5 S Indiana Boro)	30	1810EST			0	0	3	0					Lightning	A lightning bolt set the attic of a two-story building ablaze.
Cambridia County, Prince Gallitzin State Park (13 NE Ebensburg)	30	1810EST			0	0	5	0					Thunderstorm Wind	Docks at a marina broke loose, and 40 sailboats were knocked over. Trees were downed also.
Cambridia County, Patton (9 N Ebensburg)	30	1840EST			0	0	3	0					Lightning	Lightning struck a chimney. Flying bricks from the chimney damaged the roof and the porch below.
Allegheny County, Edgeworth (11 NW Pittsburgh)	30	1910EST			0	0	0	0					Thunderstorm Wind	Trees were downed in Edgeworth.
Clearfield County, Glen Richey (5 S Clearfield)	30	2000EST			0	0	0	0					Thunderstorm Wind	Trees were downed.
<b>37 RHODE ISLAND</b>														
Providence County, Pawtucket	30	1705EST			0	0	0	0					Funnel Cloud	An off duty, National Weather Service observer reported an eastward-moving funnel cloud overhead.
Kent County, western West Greenwich	30	1740EST			0	0	0	0					TSTM Wind (70)	Two areas of partial tree damage, each about 100 yards wide and separated by about a quarter of a mile, were the result of two intense thunderstorm downburst winds. National Weather Service investigation found twelve to fifteen trees with diameters of around two feet sheared off 8 to 15 feet above the ground and laid out in a west-to-east direction. None of the trees left standing showed any effects of twisting or rotation. The two areas of damage involved only trees.
<b>38 SOUTH CAROLINA</b>														
Greenwood County, Ware Shoals	01	1835EST			0	0	3	2					Hail (0.75-1.00)	
Laurens County; Princeton Waterloo	01	1835EST			0	0	3	3					Hail (0.75-1.00)	
	01	1845EST			0	0	3	3					Hail (2.75)	
Richland County	01	1900EST			0	1	3	0					Lightning	Lightning struck two homes, injuring one person. Power to 2,000 customers was disrupted on Lincolnshire Road in Columbia.
Laurens County	01	1925EST			0	0	3	0					TSTM Wind	Large trees were downed in southern Laurens.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	
<b>— SOUTH CAROLINA</b>									
Newberry County	01	1950EST			0	0	3	0	TSTM Wind
			Winds during a thunderstorm blew down trees and power lines in Newberry.						
Greenville County	01	2000EST			0	0	5	0	Lightning
	01	2000EST			0	0	3	0	TSTM Winds
			High winds during a thunderstorm cracked a 60 foot long utility pole at the intersection of Laurens Road and Interstate 85. Lightning also damaged a Mauldin substation.						
Dorchester County	02	1800EST			0	0	3	0	Lightning
			Lightning struck at least six homes and caused a brush fire just east of Summerville in Dorchester County.						
Berkeley County	02	1813EST			0	0	4	0	Lightning
	02	1813EST			0	0	3	0	Hail (1.00)
			One inch diameter hail damaged roofs in the Sangaree subdivision of Berkeley County. Also, a lightning-caused fire destroyed a mobile home in Sangaree.						
Cherokee County	03	1600EST			0	0	3	0	TSTM Wind
			High winds during a thunderstorm blew down several power lines, disrupting power to about 1,000 residents of Gaffney.						
Orangeburg County:	03	1630EST			0	0	2	3	Hail (0.75)
Elloree	03	1630EST			0	0	2	3	Hail (0.75)
Bowman									
Lexington County	03	1742EST			0	0	2	2	Hail (small)
			Small hail was reported 5 miles west of Columbia Metropolitan Airport.						
Lancaster County	03	2000EST			0	0	2	0	Hail (small)
			Small hail was reported in Lancaster, but damage was minor.						
Richland County	04	0600EST			0	0	3	0	Lightning
			Lightning disrupted power in areas of Kilbourne Road and Devine Street in Columbia.						
Charleston County	04	1100EST			0	0	4	0	Lightning
			A lightning-caused fire gutted a home on John's Island.						
Charleston County	04	1450EST			0	0	3	0	Lightning
			Lightning caused a fire that damaged a mobile home in Charleston.						
Spartanburg County	17	1530EST			0	0	4	0	Lightning
	17	1630EST			0	0	3	0	Heavy Rain
			Lightning damaged a mini warehouse and disrupted electricity to more than 700 persons. Heavy rains flooded streets in Spartanburg.						
Beaufort County	18	1438EST			0	0	3	0	Lightning
			Lightning set a home afire on Lady's Island.						
Florence County	18	1715EST	0.5	500	0	2	6	0	TSTM Wind
	18	1715EST	0.5	500	0	0	3	2	Hail (0.75)
			A severe thunderstorm, possibly rotating, moved across uptown Lake City causing heavy wind and some hail damage. Several power poles were snapped, and a rooftop air conditioner on a Wal-Mart store was overturned by wind, resulting in heavy water damage to the store. Several car windows were shattered by the winds, possibly by airborne gravel from roofs, or hail. Several century-old trees were blown down onto a house and building. Signs and awnings in the storm-hit area were blown down.						
Kershaw County	18	1840EST			0	0	5	0	Lightning
	18	1845EST			0	0	3	0	TSTM Wind
			Lightning struck the DuPont May Plant causing a fire on the roof. A radio tower was also hit, causing considerable damage. Thunderstorm winds blew down several large trees in Lugoff.						
Georgetown County	19	1500EST			1	0	1	0	Lightning
			A 70-year-old man was walking on a boardwalk at Parker Avenue, North Litchfield Beach, when he was struck by lightning. The man was killed and the boardwalk damaged.						
Charleston County	20	1230EST			0	0	6	0	Lightning
			A holding tank at the Hess Oil Terminal near Charleston was struck by lightning. The resulting fire burned 2.5 million gallons of unleaded fuel.						
Horry County	20	1600EST			0	0	4	0	Lightning
			Lightning damaged a tower in Myrtle Beach.						
<b>— SOUTH CAROLINA</b>									
Horry County	24	1525EST			0	0	4	0	Lightning
	24	1545EST			0	0	3	0	Heavy Rain
			Lightning caused considerable damage to utilities, disrupting power in Myrtle Beach for several hours. Flooding from heavy rain covered several streets in the vicinity of Myrtle Beach City Hall with water up to car floor level.						
Greenville County:									
Mauldin	24	1530EST			0	0	4	2	Hail (small)
Mauldin	24	1530EST			0	0	4	0	TSTM Wind
Greenville	24	1530EST			0	0	2	0	TSTM Wind
Marietta and Paris Mountain State Park	24	1530EST			0	0	3	0	TSTM Wind
Marietta and Paris Mountain State Park	24	1530EST			0	0	3	2	Hail (0.75-1.00)
			Small hail (0.50 inch) caused minor damage to roofs in Mauldin. Winds broke limbs, disrupting power in Greenville. Trees and power lines were also downed at Marietta and Paris Mountain State Park.						
Laurens County	24	1620EST			0	0	3	0	TSTM Wind
			Several large trees were downed near Ora.						
Spartanburg County	24	1635EST			0	0	2	0	TSTM Wind
	24	1635EST			0	0	0	2	Hail (small)
			One tree was downed and small hail fell in the Woodruff area.						
Pickens County	24	1640EST			0	0	3	0	TSTM Wind
	24	1640EST			0	0	3	0	Hail (0.75)
			One mobile home was overturned and damaged, and large limbs were downed in Pickens.						
Greenwood County	24	1753EST			1	0	0	0	Heat
			James A. Robinson of Edgefield died of heat exhaustion. MS37						
Charleston County	24	1840EST			0	0	4	0	Lightning
	24	1845EST			0	0	3	0	TSTM Wind
			Lightning disrupted electricity to 6000 homes in the Charleston area. Wind blew down several trees.						
Richland County	25	1530EST			0	0	4	0	TSTM Wind
			Thunderstorm wind blew a large tree down on Blossom Street in Columbia, injuring one person.						
Berkeley County	25	1530EST			0	0	3	0	TSTM Wind
			Thunderstorm wind blew a tree down onto a passing car in the St. Stephen area.						
Allendale County	25	1800EST			0	0	4	0	Heavy Rain
			Waist deep water following a 3.18 inch rainfall in Allendale flooded several of the town's streets and homes.						
<b>39 SOUTH DAKOTA</b>									
Minnehaha County,	07	2125 CST			0	0	0	0	Hail (.75)
Sioux Falls									
Charles Mix Co.,	10	0315 CST			0	0	5	0	Lightning
Wagner			Lightning struck and burned a storage elevator.						
Brown County,	10	1105 CST			0	0	3	0	Lightning
4N Graton			Lightning caused 150 bales of hay to burn.						
Pennington County,	10	1655 CST			0	0	0	0	Hail (1.0)
Rapid City									
Pennington County,	16	1540 CST			0	0	0	0	Hail (1.0)
17 NW Custer									
Custer County,	16	1730 CST			0	0	0	0	Hail (1.0)
Hermosa									
Tripp County,	16	1810 CST			0	0	0	0	Hail (1.75)
Winner									
Stanley County,	16	2020 CST			0	0	0	0	Hail (.75)
7E Hayes									
Hughes County,	16	2033 CST			0	0	0	0	TSTM Wind (50)
Pierre									
McPherson County,	16	2154 CST			0	0	0	0	TSTM Wind (52)
7S Eureka									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	
<b>— SOUTH DAKOTA</b>									
Brule County: 205 Chamberlain 12N Platte	18	1340 CST			0	0	0	0	Hail (1.0)
	18	1545 CST			0	0	0	0	Hail (1.75)
Dewey County: 3E Eagle Butte Eagle Butte	20	1915 CST			0	0	3	0	TSTM Wind (54)
	20	1830 CST			0	0	0	0	Hail (1.75)
Codington County, 1N South Shore	21	1010 to 1012 CST	.2	30	0	0	0	0	Tornado (F0)
	A tornado occurred briefly in Punished Womans Lake. No damage was reported.								
Deuel County: 5NW Gary	22	1445 CST			0	0	0	0	TSTM Wind (50), Heavy Rain
4NW Gary Bemis	22	1450 CST			0	0	0	1	Hail (1.0)
	22	1503 CST			0	0	0	0	Funnel Cloud
	A thunderstorm dropped three inches of rain in forty-five minutes. Four trees were blown down by strong winds.								
Corson County, Watauga	22	1630 CST			0	0	3	0	TSTM Wind (58)
Meade County: 9NW Rapid City 10NE Rapid City	22	1649 CST			0	0	0	0	Hail (.75)
	22	1715 CST			0	0	0	0	Hail (.75)
Hughes County, 5NW Pierre	22	1930 CST			0	0	4	0	TSTM Wind (50)
Walworth County, 8E Selby	22	2030 CST			0	0	0	0	Funnel Cloud
Butte County, 1W Newell	23	2150 CST			0	0	0	0	Hail (.75)
Hand County, 22SW Miller	28	1350 CST			0	0	0	0	Funnel Cloud
Beadle County, Huron	28	1420 CST			0	0	3	0	TSTM Wind (40)
	Strong thunderstorm winds uprooted a few large trees and damaged small aircraft.								
Hamlin County, 3N Bryant	28	1430 CST			0	0	3	6	Hail (1.75)
	Hail damaged 37,000 acres of crops. Numerous farm houses and automobiles were damaged.								
Moody County	28	1545 CST			0	0	0	3	Hail (.50)
	Hail destroyed several acres of crops.								
Clay County, 4NE Vermillion	28	1815 CST			0	0	2	5	Hail (.50)
	Thunderstorms produced hail, one-quarter inch in diameter, that covered an area six miles long and two miles wide. The swath extended from one mile north of Vermillion to near Burbank. The hail totally destroyed 4,000 acres of corn crops and damaged roofs on houses.								
Union County, 1NW Elk Point	28	1840 CST			0	0	0	3	Hail (.50)
Butte County, 1W Newell	30	2150 CST			0	0	0	0	Hail (.75)
<b>40 TENNESSEE</b>									
Harriman, Roane County	03	2010EST			0	0	4	0	Thunderstorm Wind
	Violent thunderstorm winds knocked down trees and power lines which blocked roads, and caused power outages and structural damage. A house on Clinton Street in Harriman sustained significant damage to one side and the roof from a falling tree. Another downed tree damaged a car and a trailer.								
Blount County	03	2030EST			0	0	3	0	Thunderstorm Wind
	Strong thunderstorm winds in the northern portion of Blount County downed trees and power poles which damaged several houses and trailers in the Rockford, Nails Creek, Wildwood, and Bear Hollow areas.								
Cumberland County	03	1930CST			0	0	2	0	Thunderstorm Wind
	Gusty thunderstorm winds blew trees and limbs onto power lines in the northeastern part of Cumberland County, causing temporary power interruptions.								
<b>— TENNESSEE</b>									
Knoxville, Knox County	03	2130EST			0	0	4	0	Thunderstorm Wind
	Strong thunderstorm winds toppled an 85 foot sign onto two cars at a restaurant near Cedar Bluff Road. Both cars were total losses. The sign was supported by two large steel girders. A pine tree was broken halfway up its trunk. A wall of a building under construction at the Market Place collapsed.								
Memphis, Shelby County	14	1420CST			0	0	4	0	Thunderstorm Wind and Hail (0.75)
	A strong thunderstorm caused structural damage in scattered areas of Memphis. High winds blew out a large window and caused other damage to an apartment building in the Central and Lamar Avenue area. Several trees were downed; one tree fell on a car in the Memphis State University area; another tree crushed a garage on South Willett. 3/4 inch hail fell at Quince and Cherry Street, but more hail was reported throughout Memphis.								
Carroll County	14	1545CST			0	0	2	3	Thunderstorm Wind
	Thunderstorm winds caused almost a score of trees and numerous limbs to fall, some onto power lines, in the Hollow Rock-Bruceston area. Minor damage occurred to house tops and cars. Several gardens were destroyed in this area.								
Madison County	14	Evening			0	0	0	4	Thunderstorm Wind and Hail (0.50)
	Large trees were felled during a thunderstorm in the eastern portion of Madison County near the Henderson County line. Marble-sized hail heavily damaged about 75 acres of a corn crop.								
Trenton, Gibson County	16	Early Morning			0	0	3	0	Thunderstorm Wind
	High thunderstorm winds caused structural damage to the Trenton Gin Company. In addition, several trees were downed or broken in half in the area.								
Ottway, Greene County	18	1900EST			0	0	3	0	Thunderstorm Wind and Hail (1.75)
	Powerful thunderstorm winds were responsible for damage to a Civil War era home in Ottway, about 5 miles northwest of Greeneville. Two telephone poles were downed, one of which fell on a car, briefly trapping the driver. Large limbs were ripped from trees. Several barns received minor damage and a small aluminum storage building was demolished. Golfball-sized hail accompanied the thunderstorm.								
Parrottsville, Cocke County	18	1915EST			0	0	4	0	Lightning
	Lightning started a fire that destroyed a barn in Parrottsville on Allen's Chapel Road. 4,000 bales of hay were consumed, and the loss was placed between \$30,000 and \$35,000.								
Dandridge, Jefferson County	18	2000EST			0	0	4	0	Thunderstorm Wind
	Violent thunderstorm winds caused extensive damage to a restaurant at Highway 92 and I-40. The drive-in portion of the restaurant was damaged, windows were blown out, and a large sign was blown over. A car was damaged by windblown debris. Several trees were downed and power was temporarily lost.								
Nashville, Davidson County	21	1300CST			0	0	4	0	Lightning and Thunderstorm Wind (48)
	Lightning touched off a fire at a house on Wilbur Place that caused extensive damage. Strong thunderstorm winds gusted to 55 miles an hour at the control tower of Nashville Metropolitan Airport, downing large tree limbs and power lines throughout the county. One tree limb fell on a truck, damaging the trailer. Almost 20,000 customers received an interruption in power.								
Wilson County	21	1315CST	0.2	30	0	0	0	0	Waterspout (F0)
	A waterspout was spawned from a thunderstorm at Old Hickory Lake. The 30-yard-wide waterspout lasted less than a minute and traveled about 0.2 mile along the lake at the Lone Branch Recreational Area near Cedar Creek Boat Dock, 14 miles northeast of Nashville.								
Germantown, Shelby County	21	1425CST			0	0	3	0	Lightning
	Lightning started a fire at a house on Pine Needle Cove. \$2,500 in damage occurred. Several other house fires were started by lightning, but damage was minor.								
Franklin County	21	1515CST			0	0	3	0	Thunderstorm Wind
	Thunderstorm winds uprooted a tree 2 miles west of Huntland on Elors Highway, and the tree fell onto a truck. The winds also blew out windows and blew down porch columns.								
Parrottsville, Cocke County	21	1815EST			0	0	5	0	Thunderstorm Wind
	Most of the top layer of the gymnasium roof at Parrottsville School was ripped off by strong thunderstorm winds. Farm buildings were also damaged, including a 90-foot-long tool shed which was demolished. Numerous trees were broken or uprooted as well.								



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	
<b>— TENNESSEE</b>									
Hamilton County	21	1830EST			0	0	0	0	Funnel Cloud
									A funnel cloud was observed in extreme southeastern Hamilton County, south of the Collegedale and Goltewah areas.
Benton County	23	1530CST			0	0	4	3	Thunderstorm Wind and Hail (1.75)
									Thunderstorm wind damage occurred 3 miles east of McMillain. Two and a half acres of a corn crop were flattened, numerous trees were downed, and a shed was deroofed. Golfball-sized hail accumulated.
Knoxville, Knox County	23	1800EST			0	0	3	0	Thunderstorm Wind and Lightning
									Thunderstorm winds downed several trees in Knoxville and elsewhere in Knox County. Lightning caused a fire at a house on Sky Blue Drive; fire damaged the attic.
Greenback, Loudon County	23	2005EST			0	0	5	0	Lightning
									Lightning struck a barn in Greenback, and the barn, hay, and other contents were destroyed by the resulting fire.
McNairy County	23	Night			0	0	3	0	Thunderstorm Wind
									A severe thunderstorm uprooted scores of trees in the Ramer area. A tree fell onto a carport and a car on Nance Road, damaging both.
Smith County	24	1330CST			0	0	4	0	Thunderstorm Wind
									Damaging thunderstorm winds occurred in South Carthage as well as along Highway 53. A wood deck collapsed onto a car, and a tree was blown onto another auto. Several other trees were downed.
Jamestown, Pentress County	24	Afternoon			0	0	5	0	Flash Flood and Thunderstorm Wind
									Heavy rains from a thunderstorm caused a small creek to flood and water entered a garage on the Ledbetter Shortcut Road. Water also entered several homes and businesses in Jamestown, particularly along Main Street and Central Avenue. Around 3 inches of rain fell in less than an hour. Several trees were uprooted by gusty winds. Rainwater leaked into Pentress County General Hospital and caused extensive damage to equipment.
Sumner County	24	Afternoon			0	0	4	0	Thunderstorm Wind
									Violent thunderstorm winds uprooted trees and damaged roofs in Portland. Similar damage occurred in the Mitchellville, New Deal, and Hollis Chapel areas. One tree damaged a car and a house on Port Head Road. Another tree fell across a mobile home.
Nashville, Davidson County	24	1500CST			0	0	5	0	Lightning and Thunderstorm Wind
									Lightning started fires that destroyed a house on Sandy Lane in east Nashville, and another house on Ligon Street was also destroyed. Thunderstorm winds downed several trees throughout Nashville.
Jacksboro, Campbell County	24	1630EST			0	0	5	0	Thunderstorm Wind
									The roofs of a grocery store and a restaurant were ripped off by gusty thunderstorm winds in Jacksboro. Homes nearby also sustained damage.
Martin, Weakley County	25	1535CST			0	0	4	0	Thunderstorm Wind
									Thunderstorm winds caused roof and tree damage one mile north of Martin, along Haygood Road and Old Salem Road. Most damage occurred to industrial and farm buildings and homes. Significant damage occurred to a manufacturing company's roof. Total damage was around \$43,000.
<b>41 TEXAS, Northern</b>									
Foard and Wichita Counties	1-4				0	0	?	?	Flooding
									Runoff waters from heavy rains of up to 11 inches from May 19 through May 28 flooded the Wichita River through parts of Foard and Wichita counties. Flood waters damaged 144 homes in Wichita Falls.
Montague, Cooke, and Grayson Counties	1-15				0	0	?	?	Flooding
									Heavy rains at the end of May flooded the Red River in the northern portions of Cooke and Montague counties. With high water from the Red and Washita rivers, Lake Texoma crested at 635.09 feet on June 5. This was the second highest level in the lake's history. The normal elevation is 617 feet. Roadways into all of the lake's resorts were closed by high water.
<b>— TEXAS, Northern</b>									
Coryell County:									
Copperas Cove	2	1200CST			0	0	3	?	TSTM Wind
Flat	2	1215CST			0	0	3	?	TSTM Wind
Jonesboro	2	1247CST	Short Narrow		0	0	0	?	Tornado (FO)
									Winds damaged carports and trees at a mobile home park in Copperas Cove. Winds destroyed a shed at a lumberyard and uprooted trees at Flat. A tornado was observed briefly in open country near Jonesboro.
Hill County:									
ESE Whitney	2	1315CST			0	0	0	0	Funnel Cloud
ZE Hubbard	2	1340CST			0	0	0	0	Funnel Cloud
									Funnel clouds were observed 2 miles southeast of Whitney and 2 miles east of Hubbard.
Bosque County, IN Valley Mills	2	1320CST	Short Narrow		0	0	0	?	Tornado (FO)
									A tornado was observed briefly in open country 1 mile north of Valley Mills.
McLennan County:									
7SE Waco	3	1500CST			0	0	?	?	Flash Flooding
Asa	3	1540CST	Short Narrow		0	0	0	?	Tornado (FO)
Riesel	3	1542CST	Short Narrow		0	0	0	?	Tornado (FO)
Hallsburg	3	1600CST			0	0	?	?	Hail (0.75)
									Heavy rains flooded Interstate 35 at the Hewitt Exit (7 miles southeast of Waco) up to windshield depth. Tornadoes were observed briefly in open country near Asa and Riesel. Dime size hail fell at Hallsburg.
Falls County:									
3NE Lott	3	1558CST	Short Narrow		0	0	0	?	Tornado (Fl)
Chilton	3	1620CST	Short Narrow		0	0	0	?	Tornado (FO)
									Tornadoes were observed briefly in open country 3 miles northeast of Lott and near Chilton.
Smith County:									
Flint	3	1635CST			0	0	?	?	Hail (1.75)
Tyler	3	1745CST			0	0	?	?	Flash Flooding
									Golf ball size hail fell at Flint. Heavy rains produced some street flooding in Tyler.
Bell County, 2NW Salado	9	0750CST			0	0	3	?	TSTM Wind
									Winds downed trees and damaged a garage 2 miles northwest of Salado.
Callahan County, 7NE Abilene	11	1110CST			0	0	0	0	Funnel Cloud
									A funnel cloud was observed 7 miles northeast of Abilene.
Palo Pinto County, 4NW Santo	11	1800CST			0	0	?	?	Flash Flooding
									Rainfall of up to 3 inches flooded several roads in the Lake Palo Pinto area.
Jones County, SSE Stamford	12	1042CST	Short Narrow		0	0	0	0	Tornado (FO)
									A tornado was observed briefly in open country 5 miles southeast of Stamford.
Montague County, Saint Jo	12	1500CST			0	0	?	?	Flash Flooding
Cooke County, Muenster	12	1520CST			0	0	?	?	Flash Flooding
									Rainfall of nearly 6 inches flooded Elm Creek, closing roads in Saint Jo. Several homes in Saint Jo were flooded. The surge of water in Elm Creek continued downstream to Muenster where water entered several homes and flooded streets.
Somervell County, Glen Rose and 2W Glen Rose	12	1655CST			0	0	?	?	Flash Flooding
Johnson County, 3SW Burleson	12	1830CST			0	0	?	?	Flash Flooding
Hood County, 3NW Granbury	12	1830CST			0	0	?	?	Flash Flooding
									Heavy rains flooded streets in Glen Rose and Farm Road 205 two miles west of Glen Rose. Shannon Creek flooded, blocking several roads 3 miles southwest of Burleson. A 48-year-old man died of a heart attack after he was pulled from Strouds Creek (3 miles northwest of Granbury) where his pickup had been swept by floodwaters.
Bosque County, Walnut Springs	12	1920CST			0	0	?	?	Flash Flooding
									Heavy rains flooded Steele Creek in Walnut Springs, washing a car off the road.

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JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	
<b>— TEXAS, Northern</b>									
Hopkins County, Sulphur Springs	13	0300CST			0	0	?	?	Flash Flooding
Van Zandt County, Wills Point	13	0530CST			0	0	?	?	Flash Flooding
Kaufman County, Terrell	13	0540CST			0	0	?	?	Flash Flooding
			Rainfall of nearly 3 inches produced widespread street flooding and flooded several houses in low-lying areas of Sulphur Springs. Heavy rains flooded streets in Wills Point and Terrell.						
Marion County, 3N Karnack	14	1625CST			0	0	?	?	Hail (1.00)
Harrison County, 5SW Karnack	14	1628CST			0	0	?	?	Hail (1.00)
Marshall	14	1630CST			0	0	?	?	TSTM Wind
			One inch diameter hail fell 3 miles north of Karnack. One inch diameter hail fell 5 miles southwest of Karnack on Highway 43. Winds blew a tree down onto a house in Marshall.						
Grayson County, Sherman	15	0830CST			0	0	?	?	TSTM Wind
			Winds downed trees and billboards in Sherman.						
Ellis County, Waxahachie	15	1055CST			0	0	?	?	TSTM Wind
			Winds downed trees in Waxahachie.						
Gregg County, Longview	15	1325CST			0	0	?	?	TSTM Wind
			Winds unroofed part of an apartment complex and uprooted trees in Longview.						
Bowie County, 2W Darden	15	1340CST			0	0	?	?	Hail (1.75)
Cass County, Dalton	15	1345CST			0	0	?	?	Hail (1.00) and TSTM Wind
			Golf ball size hail fell 2 miles west of Darden. One inch diameter hail fell at Dalton and winds damaged some roofs.						
Marion County, 2W Kellyville	15	1355CST			0	0	?	?	TSTM Wind
			Winds downed trees 2 miles west of Kellyville.						
Nacogdoches County, Nacogdoches	15	1415CST			0	0	?	?	Hail (1.00)
Nacogdoches	15	1430CST			0	0	?	?	TSTM Wind (52)
			One inch diameter hail fell at Nacogdoches and winds gusted to 60 miles per hour.						
Harrison County, 10N Hallsville	15	1415CST			0	0	?	?	TSTM Wind and Hail (0.88)
2S Hallsville	15	1435CST			0	0	?	?	TSTM Wind
			Winds downed trees and nickel size hail fell 10 miles north of Hallsville. Winds downed trees 2 miles south of Hallsville.						
Rusk County, Reklaw	15	1420CST			0	0	?	?	Hail (1.00)
Tatum	15	1440CST			0	0	?	?	TSTM Wind
			One inch diameter hail fell at Reklaw. Winds downed several trees near Tatum.						
Panola County, 8NW Carthage	15	1505CST			0	0	?	?	Hail (1.00)
			One inch diameter hail fell 8 miles northwest of Carthage.						
Delta County, Cooper	15	1725CST			0	0	?	?	Flash Flooding
	15	1805CST			0	0	?	?	TSTM Wind
	15	1815CST			0	0	?	?	TSTM Wind
			Heavy rains flooded the courthouse, some businesses and streets in Cooper. Strong winds blew out 2 windows in the courthouse and damaged the roofs of several houses at 1805CST. Continued strong winds downed several power lines and trees at 1815CST. Streets in Cooper remained flooded at 1930CST after up to 4.25 inches of rain.						
Gregg County, Easton	17	1350CST			0	0	?	?	Hail (0.88)
White Oak	17	1450CST			0	0	?	?	Hail (1.00)
Longview	17	1540CST			0	0	?	?	Flash Flooding
			Nickel size hail fell at Easton. One inch diameter hail fell at White Oak. Rainfall of up to 3.10 inches flooded streets in Longview.						
Harrison County, Hallsville	17	1358CST			0	0	?	?	Hail (1.00) and TSTM Wind (52)
2SW Marshall	17	1419CST			0	0	?	?	Hail (1.00)
			One inch diameter hail fell and winds gusted to 60 miles per hour at Hallsville. One inch diameter hail fell 2 miles southwest of Marshall.						
<b>— TEXAS, Northern</b>									
Panola County, 2S Tatum	17	1405CST			0	0	?	?	Hail (1.75)
			Golf ball size hail fell 2 miles south of Tatum.						
Shelby County, Huxley	17	1510CST			0	0	?	?	TSTM Wind (52)
Aiken	17	1520CST			0	0	?	?	Hail (1.75)
			Winds gusted to 60 miles per hour, downing several trees near Huxley. Golf ball size hail fell at Aiken.						
Rusk County, Mt. Enterprise	17	1525CST			0	0	?	?	Hail (0.88)
			Nickel size hail fell at Mt. Enterprise.						
Smith County, Tyler	17	1535CST			0	0	?	?	TSTM Wind (56)
	17	1555CST			0	0	?	?	TSTM Wind (52)
			Winds gusted to 64 miles per hour at a Tyler TV station at 1535CST. Winds gusted to 60 miles per hour in Tyler at 1555CST.						
Van Zandt County, 2S Lake Tawakoni	17	1608CST			0	0	?	?	Hail (1.00)
Grand Saline	17	1610CST			0	0	?	?	TSTM Wind
Canton	17	1622CST			0	0	?	?	TSTM Wind
			One inch diameter hail fell 2 miles south of Lake Tawakoni. Winds downed several trees in Grand Saline and some power lines in Canton.						
Hunt County, 5W Greenville	17	1620CST			0	0	?	?	Hail (1.75)
			Golf ball size hail fell 5 miles west of Greenville.						
Henderson County, Eustace	17	1655CST			0	0	?	?	TSTM Wind (52)
Eustace	17	1715CST			0	0	?	?	TSTM Wind
Cedar Creek Res S	17	1735CST			0	0	?	?	TSTM Wind
Malakoff	17	1735CST			0	0	?	?	TSTM Wind
			Winds gusted to 60 miles per hour at Eustace at 1655CST. Winds in Eustace at 1715CST unroofed several buildings. Winds knocked several trees into power lines on the south end of Cedar Creek Reservoir. Winds ripped the roof off a building in Malakoff.						
Freestone County, Fairfield	17	1755CST			0	0	?	?	TSTM Wind
			Winds uprooted several trees in Fairfield.						
Dallas County, 3SE Dallas	17	1800CST			0	0	?	?	Hail (0.88)
			Nickel size hail fell 3 miles southeast of downtown Dallas.						
Navarro County, Kerens	17	1800CST			0	0	?	?	TSTM Wind (52)
			Winds gusted to 60 miles per hour in Kerens.						
Anderson County, 3SW Tennessee Colony	17	1800CST			0	0	4	?	TSTM Wind
Elkhart	17	1820CST			0	0	?	?	TSTM Wind
			Winds unroofed a building of 4 apartments at the Coffield State Prison Farm (3 miles southwest of Tennessee Colony). Winds downed trees at Elkhart.						
Leon County, Jewett	17	1835CST			0	0	?	?	TSTM Wind
			A roof was blown off a feed store in Jewett.						
Archer County, Mankins	17	2148CST			0	0	?	?	Hail (1.00)
			One inch diameter hail fell at Mankins.						
Jones County, 9NW Hamlin	19	1500CST			0	0	?	?	Hail (1.75)
1N Hamlin	19	1520CST			0	0	?	?	Funnel Cloud and Hail (1.00)
			Golf ball size hail fell 9 miles northwest of Hamlin at 1500CST. A funnel cloud was observed along with one inch diameter hail one mile north of Hamlin at 1520CST.						
Lamar County, 14N Paris	19	1550CST			0	0	?	?	TSTM Wind (52)
Paris	19	1620CST			0	0	5	?	TSTM Wind
			Winds gusted to 60 miles per hour at Forest Chapel (14 miles north of Paris). Winds inflicted severe roof damage on 5 houses and removed a section of roof from an apartment building in Paris.						
Throckmorton County, Throckmorton	19	1632CST			0	0	5	?	TSTM Wind
			Winds damaged two mobile homes, broke windows and damaged roofs in Throckmorton.						

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JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
<b>TEXAS, Northern</b>										<b>TEXAS, Northern</b>									
Taylor County, Abilene	19	1702CST			0	0	?	?	Hail (1.00) One inch diameter hail fell in northeast Abilene.	Wood County: 10NW Mineola 1E Quitman	23	1910CST 1915CST			0	0	?	?	TSTM Wind (52) TSTM Wind (57) Winds up to 60 miles per hour swamped boats and downed trees and power lines near Lake Fork (10 miles northwest of Mineola). Winds up to 65 miles per hour uprooted trees 1 mile east of Quitman.
Red River County, Bogata	19	1705CST			0	0	?	?	TSTM Wind (52) Winds gusted to 60 miles per hour and damaged trees in Bogata.	Smith County: Tyler 5S Tyler	23	1928CST 1940CST			0	0	?	?	TSTM Wind (52) TSTM Wind Winds gusted to 60 miles per hour at Tyler. Strong winds uprooted trees 5 miles south of Tyler.
Young County, Graham	19	1715CST			0	0	?	?	TSTM Wind Strong winds broke out windows and damaged trees in Graham.	Upshur County, Gilmer	23	1930CST			0	0	?	?	TSTM Wind Strong winds uprooted trees and downed power lines in Gilmer.
Bowie County: 7SW Texarkana Wright Patman Lake Cass County, 8NW Atlanta	19	1742CST 1744CST 1744CST			0	0	?	?	TSTM Wind TSTM Wind TSTM Wind Winds damaged the roofs of several houses and downed trees along Highway 59 seven miles southwest of Texarkana. About 20 boats on Wright Patman Lake were blown onto shore by strong winds. Winds uprooted trees along both the north and south shore of the lake.	Gregg County, Longview	23	1937CST			0	0	?	?	TSTM Wind Winds downed trees in Longview.
Parker County: Weatherford 10E Weatherford Tarrant County, 3SW Benbrook	19	1830CST 1845CST 1905CST			0	0	?	?	TSTM Wind TSTM Wind TSTM Wind Winds blew down the fence at the Weatherford College tennis courts. Several mobile homes were damaged or destroyed and a building unroofed by winds 10 miles east of Weatherford. Winds downed power lines and damaged trees 3 miles southwest of Benbrook.	Dallas County, 2E Dallas	23	1944CST			0	0	?	?	Hail (1.00) One inch diameter hail fell 2 miles east of downtown Dallas.
Throckmorton County: Throckmorton Woodson	20	0245CST 0315CST			0	0	?	?	TSTM Wind TSTM Wind Dime size hail fell at Throckmorton. Winds blew the roof off a barn near Woodson.	Harrison County, Marshall	23	1945CST			0	0	?	?	TSTM Wind Winds downed many trees in Marshall.
Fannin County: 1NE Honey Grove 1N Honey Grove 2NW Honey Grove Honey Grove	23	1714CST 1714CST 1714CST 1725CST	Short Narrow		0	0	0	0	Tornado (F0) Tornado (F0) Tornado (F0) TSTM Wind Three weak tornadoes were observed briefly in open country near Honey Grove at 1714CST. Winds broke a plate glass window and uprooted trees at Honey Grove at 1725CST.	Cherokee County, Jacksonville	23	2020CST			0	0	?	?	TSTM Wind Winds uprooted trees at Jacksonville.
Red River County, Clarksville	23	1730CST			0	0	?	?	Hail (0.75) Dime size hail fell at Clarksville.	Nacogdoches County, 2N Nacogdoches	23	2040CST			0	0	?	?	TSTM Wind Winds downed trees on Highway 259 two miles north of Nacogdoches.
Grayson County, Gordonville	23	1754CST			0	0	?	?	Hail (0.75) Dime size hail fell at Gordonville.	Stephens County, Hubbard Creek Lake	24	1510CST			0	0	?	?	Hail (1.00) Quarter size hail fell at Hubbard Creek Lake.
Delta County, Cooper	23	1808CST			0	0	?	?	TSTM Wind Winds uprooted trees at Cooper.	Wichita County, Wichita Falls	25	0235CST			0	0	?	?	TSTM Wind Winds downed power lines and a tree in Wichita Falls.
Bowie County, 5NE Naples	23	1820CST			0	0	?	?	TSTM Wind (52) Winds gusted to 60 miles per hour along the Sulphur River bridge 5 miles northeast of Naples.	Coryell County, Copperas Cove	25	1545CST			0	0	5	?	TSTM Wind Winds downed trees and telephone lines and unroofed the annex building next to the Copperas Cove Police Department.
Hunt County, Greenville	23	1830CST			0	0	4	?	TSTM Wind Winds damaged several roofs and uprooted trees in Greenville.	<b>41 TEXAS, Southern</b>									
Cass County, 2NW Atlanta	23	1832CST			0	0	?	?	Hail (1.00) One inch diameter hail fell 2 miles northwest of Atlanta.	South and Southeast Texas	1-17th								Major Flooding Floods that were created by heavy rains in South Texas from May 16th through the 13th of June could be described as one of the most monumental floods in South Texas history. The only area of South Texas not to experience a severe flood during this time was lower South Texas south of the Neeces River. The hydrologist for the NWS stated that the flooding during this time interval was the largest volume of water to go down South Texas rivers in the last 100 years. An estimated 8.8 million acre feet of water flowed out of South Texas from the widespread flooding that followed days and days of torrential rains. By comparison, 443,000 acre feet of water moved down the watersheds of the Medina and Guadalupe rivers following the disastrous Hill Country Floods of August 1978.  All major lakes in the area reached record levels. Choke Canyon Lake on the Lower Frio River was not expected to fill for three more years based on normal rainfall and evaporation. It reached a height of 222.09 feet on the 21st, which was only 3 feet from spilling over the flood gates. Canyon Lake west of New Braunfels on the Guadalupe River reached an all time high of 942.64 feet on the 20th. Medina Lake peaked out at 1078.2 feet which was 6.2 feet over the spillway of the dam on the 29th of May.  The Edwards Aquifer, a natural underground water reservoir that supplies the city of San Antonio and surrounding area with water reached an all time high level of 699.2 feet on the 17th.  During the period from May 13th to June 11th, 18.43 inches of rain fell at the NWS office in San Antonio. This was the wettest 30 day period on record. The January through June rainfall was 29.03 inches which was the second wettest since records began in 1885.  Flooding events described below are reasonably accurate in content except for the timing of the events. Consider that during this time period, flooding lasted for several days with heavy rains beginning and ending on already flooded conditions. The beginning and ending of events was difficult to determine, so in some cases times listed are estimates.
Collin County, 2NE Melissa	23	1900CST			0	0	4	?	TSTM Wind Winds overturned a mobile home, damaged several roofs and uprooted trees 2 miles northeast of Melissa.										
Denton County: Sanger Justin	23	1909CST 1950CST			0	0	?	?	Hail (1.75) Hail (0.88)										
Tarrant County: 1N Blue Mound 6NW Saginaw	23	2036CST 2045CST			0	0	?	?	Hail (0.88) Hail (1.75) Golf ball size hail fell at Sanger. Nickel size hail fell near Justin. The same storm dropped nickel size hail 1 mile north of Blue Mound and golf ball size hail at Lakeview (6 miles northwest Saginaw).										

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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, Southern</b>									
Val Verde County	01	through the evening			0	0	0	0	Flooding
		Flooding continued in the northern part of the county where two highways remained closed due to high water. The flood waters were from runoff from heavy rains that fell in Crockett County on the 30th and 31st of May.							
Bexar County	02	0245CST			0	0	6	0	Tstm.Wind (61)
		High winds from a thunderstorm toppled 3 radio towers in the southeast part of the county at China Grove. Numerous trees in the area were uprooted and some broken off at their trunks. Several carports and patio covers were torn off from their supports. The high winds also damaged the roof of a convenience store. The damage site was viewed by a NWS person. Ground-level winds were estimated to be in the range of 60 to 70 MPH. However, the radio towers, 2 of which were 500 feet tall, could have experienced much higher winds and probably did.							
Washington County	02	?			0	0	?	0	Flooding
		Up to 8 inches of rain fell in the county. Many roads were closed and some washed out. Brenham had street flooding.							
Travis and Williamson Counties	02	1230CST			0	0	?	0	Flash Flooding
		Heavy rains produced flash flooding of streets and low water crossings over the two counties, mainly in north and northwest Austin and in west and southwest Williamson County. In Roundrock, a Day Care Center was evacuated when flood waters closed the road to the facility.							
Guadalupe County	02	1450CST			0	0	0	?	Flash Flooding
		4 to 6 inches of rain fell over the southern part of the county where several roads were closed due to high water. 5 miles south of Seguin, an observer measured 5.50 inches of rain.							
Bexar County	02	1732CST			0	0	0	?	Flash Flooding
		Up to 4 inches of rain fell over the eastern part of the county where several roads were closed due to high water.							
Gonzales and Wilson Counties	2-3	1732CST on 2nd			0	0	?	?	Flash Flooding
		5 to 9 inches of rain fell over portions of these two counties. The resulting flood waters closed several roads in the area. At least 18 persons had to be rescued in high water, and the most serious flooding occurred in the Smiley and Leesville area of Gonzales County. Ramping creeks flowing into the already swollen Guadalupe River forced 50 to 100 residents to flee their homes on the evening of the 2nd. Gonzales reported 4.75 inches of rain with street flooding and many roads closed. The heavy rains and flooding extended westward into the northern part of Wilson County.							
Austin County	02	2130CST			0	0	0	0	Flash Flooding
		Heavy rains in the northern part of the county caused flooding which closed at least one highway.							
Val Verde County	03	0300CST			0	0	0	0	Flash Flooding
	03	0300CST			0	0	0	0	Hail (0.75)
		Heavy rains fell over the northern part of the county on already swollen creeks which closed main highways in the area. Dime size hail was reported at a ranch 12 miles northeast of Juno. Damage was not reported.							
Bandera, Bexar, Comal, Kendall, Kerr, and Medina Counties	3-4	Early 3rd			1	?	7	9	Flash Flooding
		6 consecutive days of heavy rains in the area were culminated by a widespread deluge of heavy rain that produced serious flooding across the 6 county area. 5 to 6 inches of rain were common in a stretch from the northern part of Bexar County westward to the western part of Bandera County. Medina in the western part of Bandera County reported nearly 9 inches of rain which sent the Medina River on another major flood. The Guadalupe River and its tributaries rose to significant levels as well as other creeks and streams across the 6 county area. Major floods moved down the Cibolo, Verde, Hondo, and Seco creeks. Nearly all roads and main highways in the Hill Country were flooded at some point. There were many motorists stranded in high water and at low water crossings. There were numerous rescues throughout the 6 county area. The second major flood in a week moved down the Medina River from the town of Medina southward to Lake Medina. Flooding continued along the river from below Medina Lake southward to the confluence with the San Antonio River for several days. Flooding occurred in and around Kerrville where 4 to 5 inches of rain fell. In the southeast part of the county, about 400 persons were evacuated because of flooding mainly along Turtle and Verde Creek drainage areas that flow into the Guadalupe River. Flood waters moving down Cibolo Creek pushed a crest of water 5 feet above a bridge in Shertz on the 4th. In and around D'Hanis, in Medina County, 30 families were evacuated along the Seco Creek.							
<b>TEXAS, Southern</b>									
		Total crop loss in the area including some of the floods listed below was estimated in the neighborhood of 500 million dollars. The city of San Antonio estimated damage to be near 2 million dollars. Damage in Bandera County was estimated near 3.6 million dollars, this included the damage of the flood of May 29th. Losses in the area included drowned livestock and thousands of acres of crops lost such as corn, hay, sorghum and watermelons.							
Uvalde County	03	0530CST			0	0	0	0	Hail (1.75)
		Hail up to the size of golf balls was reported in the western part of the county. Damage was not reported.							
Kimble, Llano and Mason Counties	3-4	?			0	0	0	0	Flash Flooding
		Heavy rains in Kimble County on the 3rd caused flash flooding and flooding of low lands along the Llano River eastward through Llano County on the 4th. Many roads in the area were under water.							
Cameron County	03	1307CST			0	0	0	0	Hail (0.75)
		Three-quarter inch hail fell in Harlingen. Damage was not reported.							
DeWitt, Gonzales, Guadalupe, Karnes, Lavaca, and Wilson Counties	4-8	Early 4th			1	0	6	*	Flooding
		Widespread heavy rains of 5 to 6 inches over the above counties produced serious flooding of rivers and streams in the area that lasted for several days. The flood waters closed numerous roads and stranded many motorists. Many persons had to be rescued from the high water. In Lavaca County, flood waters forced about 65 persons from their homes mainly in the Moulton and Shiner area where 7 inches of rain fell. Low lands surrounding the drainage areas of the Boggy and Rocky creeks were covered with widespread flooding. Hallettsville reported 5.10 inches of rain where more flooding occurred. Heavy rains and flooding extended northward and westward into Gonzales County. The town of Gonzales had 6.10 inches of rain with serious flooding. 50 to 60 persons were evacuated in the flooded Tinsley Creek area. 6 inches also fell at Ottine near Panetto State Park. Many roads in the area were under water. Hockheim in northern DeWitt County reported 6.54 inches of rain (9.70 since the 2nd) where flood waters closed numerous roads including US Hwy. 183. In Gonzales and DeWitt counties, these heavy rains created further problems along the already swollen Guadalupe River. Many persons were evacuated along the low lands surrounding the river. In southern DeWitt County, persons were evacuated from their homes along the river mainly in subdivisions around Thomaston. In Yorktown, all low water crossings in town were flooded, and Coleta Creek was reported as way out of its banks. Flooding continued in the area through the 11th. In Guadalupe County, flooding was reported south of Seguin where roads were washed out. Lowland flooding along the Guadalupe and San Antonio rivers continued for several days. The Guadalupe River crested near 40 feet at Cuero on the morning of the 6th where there was widespread lowland flooding. On the evening of the 5th, a 42-year-old man drowned when the pickup truck in which he was riding was carried down the swollen Guadalupe River just southeast of Cuero. The victim along with another man drove around a barricade into the river. His companion made it to safety. M42V							
		* Crop damage from this flood and other floods listed for Southern Texas was estimated at above 500 million dollars.							
Caldwell, Hays and Travis Counties	04	Early			0	0	?	?	Flash Flooding
		Heavy rains up to 5 inches fell over portions of the above counties. There was widespread flooding and many low water crossings and roads were covered with water. Many persons had to be rescued from the high water across the 4 county area. In Hays County, Purgatory Creek in San Marcos overflowed its banks and flooded nearby lowlands and roads. Several roads in Caldwell County were closed due to flood waters. In Travis County, many roads in the western part of the county were closed, mainly in the West Lake Hills addition. In Williamson County, many roads were closed throughout the county because of the flood waters. Leander, Liberty Hill and Round Rock all reported closed roads. In Georgetown, roads were closed along swollen San Gabriel River. Roads in and around Round Rock along Brushy Creek were barricaded.							
Atascosa and Frio Counties	04	1530CST			0	0	?	?	Flash Flooding
		Up to 5 inches of rain fell over the north and central part of Frio County where numerous roads were closed because of flood waters. Heavy rains extended eastward into Atascosa County where flooding closed several roads.							
Bee and Refugio Counties	04	1600CST			0	0	0	0	Flooding
		Between 3 and 4 inches of rain fell in a short period of time in and around Beville which flooded numerous roads. Also, heavy rains flooded roads near Bayside in southern Refugio County.							



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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	INURED	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	INURED	PROPERTY	CROPS	

**TEXAS, Southern**

Medina and Bexar Counties	13	0630CST				0	0	?	0	Flash Flooding
<p>Over 4 inches of rain fell 15 miles northeast of Hondo where streams and low water crossings were flooded. In west and southwest Bexar County, 3 inches of rain flooded the small streams that fed the Leon and Medio Creeks which rose well out of their banks and flooded surrounding areas including about 19 homes. 30 persons had to be evacuated because of high water. The Medina River which was already running full was flooded even further from these local rains.</p>										
Bastrop, Caldwell, Fayette, and Travis Counties	13	1215CST				0	0	?	?	Flooding
<p>Heavy rains fell over portions of the above counties and caused some serious flooding, especially in Bastrop County. In Bastrop County, torrential downpours followed nearly 2 weeks of continuous rains, which produced near record flooding in some parts of the county. There were 28 homes in the county that were flooded. In Smithville, serious flooding occurred that drove some people from their homes. At Rockne, the southwest part of the county, 7 inches of rain fell which flooded the lowlands surrounding the Walnut Creek. Many roads in the area were closed and high water trapped at least one motorist in his vehicle. Many ranchers in the area had to move cattle to high ground mainly along the flood plain of the Colorado River. Many roads in Bastrop and Elgin were closed due to high water. There were some persons evacuated from their homes along Bee Creek which drains areas along the Bastrop-Caldwell county line. Near Kirtley along the Bastrop-Fayette county line, two small trailers were inundated with water and one was washed away.</p>										
Jefferson County	13	2115CST				0	0	?	0	Flooding
<p>More heavy rains fell in the Beaumont area, creating further flooding problems for the drenched city. Many underpasses were flooded and barricaded. I-10 was flooded and police reported a car floating down Sabine Pass at Railroad Avenue. Some Batson residents near Pine Island Bayou were forced from their homes by high water.</p>										
Hidalgo County	14	1645CST	1	16	0	0	4	0	0	Tornado (F0)
<p>A small tornado dipped down out of the clouds about 3 miles northwest of the McAllen Airport and moved southeast. The tornado did little damage. Damage consisted of damaged power poles and lines, blown-out windows, and the roof torn from a convenience store. One tree was blown over onto the roof of an automobile. Another car was flipped over on its side. The thunderstorm that spanned the tornado drenched the McAllen water plant with 3.20 inches of rain in one hour.</p>										
Harris County	16	1540CST				0	0	?	0	Tstm.Wind (?)
<p>High wind from a thunderstorm downed trees and a large sign in Humble.</p>										
Liberty County	16	1555CST				0	0	?	0	Tstm.Wind (?)
<p>High wind from a thunderstorm blew cars off the road near Dayton in the southern part of the county.</p>										
Chambers County	16	1621CST				0	0	0	0	Hail (0.75)
<p>Three-quarter inch hail was reported at Anahuac. Damage was not reported.</p>										
Brazos County	16	1735CST				0	0	5	0	Tstm.Wind (52)
<p>High winds from a thunderstorm gusted to 60 MPH at the Easterwood Airport. At least one aircraft was moved around, but was not damaged. Powerlines were downed in Bryan and there was roof damage to about 20 apartment units in a complex.</p>										
Jefferson County	17	1255CST				0	0	0	0	Tstm.Wind (?)
<p>High winds from a thunderstorm gusted to 58 MPH at one of the Petro Chemical plants in the area. Damage was not reported.</p>										
Jasper County	21	2124CST				0	0	0	0	Hail (1.75)
<p>Hail up to the size of golfballs fell near Fritch. Damage was not reported.</p>										
Maverick County	22	0020CST				0	0	0	0	Tstm.Wind (101)
<p>Winds were clocked at 116 MPH by an observer at Quemado in the northern part of the county. There were some trees uprooted, but no other damage was reported.</p>										
Galveston County	25	1420CST				0	0	0	0	Tstm.Wind (52)
<p>High winds from a thunderstorm were estimated by an observer at near 60 MPH on the west end of Galveston Island. Damage was not reported.</p>										

**TEXAS, Southern**

Travis County	25	1545CST				0	2	0	0	Tstm.Wind (61)
<p>High winds from a thunderstorm downed about 200 trees from northwest to southeast across the city of Austin. Winds were estimated at near 70 MPH. Wind gusted to 52 MPH at the NWS office at the airport. Several power lines were down in the city. Some commercial buildings lost plate glass windows on the north side of town. 2 persons suffered minor injuries from broken glass when a tree fell on a residence. Half inch hail fell in the eastern part of the county near the Bastrop County line.</p>										
Williamson County	25	1635CST				0	0	0	0	Hail (1.75)
<p>Golfball size hail fell near Roundrock. Damage was not reported.</p>										
Bexar County	25	1830CST				0	0	0	0	Hail (0.75)
<p>Three-quarter inch hail was reported in the eastern part of the county by an employee of the NWS. Damage was not reported.</p>										
Bexar County	25	1915CST				0	0	0	0	Tstm.Wind (?)
<p>High winds from a thunderstorm blew over a vacated mobile home near La Coste. Winds were estimated to be near 70 MPH by one observer.</p>										

**41 TEXAS, Western**

Lipscomb County	02	1420CST	6.0	400	0	0	4	0	0	Tornado (F2)
		1515CST	7.5	400	0	0	4	0	0	Tornado (F2) Funnels
<p>The County Sheriff's Office reported a multiple vortex tornado and several funnels from just north of Darrouzett in the northern part of the county southward through the county, inflicting substantial roof damage. A second tornado was reported by the Sheriff's Office at 1515 CST five miles south of Lipscomb. One residence was almost destroyed twelve miles south-southeast of Darrouzett, while another sustained severe damage eight miles southwest of Darrouzett.</p>										
Nolan County	02	1704CST	1.0	80	0	0	0	0	0	Tornado (F0)
<p>The public reported a tornado eight miles northwest of Maryneal.</p>										
Potter County	02	1840CST	3.0	100	0	0	0	0	0	Tornado (F1)
<p>A pilot reported a tornado 20 miles north of Amarillo.</p>										
Potter County	02	1920CST	0.1	40	0	0	0	0	0	Tornado (F0)
		1928CST		0	0	0	0	0	0	Hail (1.75)
		1931CST		0	0	0	0	0	0	Hail (1.75)
<p>A tornado touched down briefly four miles north of Amarillo. Eight minutes later, golfball-sized hail was encountered by Skywarn Spotters. Those spotters noted hail the same size at 1931 CST just west of Amarillo.</p>										
Deaf Smith and Oldham Counties	02	1954CST				0	0	0	0	Funnels
<p>The public reported numerous sightings of funnel clouds in the Wildorado area.</p>										
Culberson County	09	2000CST				0	0	?	0	Flash Flooding
<p>The Texas Highway Department reported over a foot of water running over State Highway 54, thirteen miles south of the junction of Highways 54 and 62/180. The water washed out the highway.</p>										
Lamb County	10	1910CST	1.0	100	0	0	0	0	0	Tornado (F0)
<p>A weak tornado was observed by many residents as it touched down in farmland two miles east of Olton. The tornado, with a short condensation funnel and surface debris cloud, lasted 15 minutes but moved very little. No damage was noted.</p>										
Tom Green County	11	1037CST	2.0	60	0	0	0	0	0	Tornado (F0) Funnels
<p>A tornado was sighted east of San Angelo on the Veribest Highway by Department of Public Safety (DPS) Officers. No damage was reported. Both DPS Officers and Weather Service personnel observed several funnels between six and ten miles east of San Angelo within the next hour.</p>										
Ochiltree County	11	1720CST	1.5	60	1	4	4	0	0	Tornado (F1)
		1728CST		0	0	3	0	0	0	TSTM Wind (62)
		1730CST		0	0	0	0	0	0	Hail (1.75)
<p>A tornado destroyed a mobile home one mile northwest of Perryton. Debris was scattered in a narrow path 0.5 mile from the original location. Of the five family members in the home at the time, four were injured (three critically) and an 18-month old girl was killed. At a nearby radio station wind gusted to 62 knots and golfball-sized hail was reported.</p>										

FC2M

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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	
<b>— TEXAS, Western</b>									
Sterling County	12	Est. 2000CST			0	0	5	0	Lightning
									Lightning struck a 1,000-barrel fiberglass tank containing oil and water, causing it to ignite. The fire ignited five smaller tanks. Damage was estimated at between 200,000 and 300,000 dollars.
Gray County	15	1745CST			0	0	3	0	TSTM Wind (65)
									Thunderstorm wind gusting to 65 knots snapped power lines in Pampa and knocked out power to parts of Pampa, as well as the communities of Miami and Canadian.
Lubbock County	17	1801CST			0	0	0	0	Hail (0.75) TSTM Wind (74)
									A thunderstorm moved across the Weather Service Office at Lubbock International Airport, producing dime-sized hail and at least a dozen observed microbursts. One of the microbursts resulted in a recorded wind gust to 74 knots. No damage was reported, although large limbs were snapped off several trees.
Lipscomb County	17	1820CST			0	0	4	0	TSTM Wind
									Straight-line thunderstorm wind blew the roof off a house in Higgins.
Upton County	19	1730CST 1730CST 1731CST	2.5	60	0	0	0	0	Tornado (F0) TSTM Wind (60) Hail (1.75)
									A Skywarn Spotter observed a tornado two miles west of McCamey, shortly before thunderstorm wind gusting to 60 knots was observed along with golfball-sized hail by DPS Troopers at the same locale.
Ochiltree County	20	2330CST			0	0	0	0	Hail (0.75)
									Hail, the size of dimes, fell six miles west of Perryton according to DPS Troopers.
Ochiltree County	21	1124CST			0	0	0	0	Hail (0.75)
									A DPS Officer reported dime-sized hail six miles west of Perryton. The hail was accompanied by very strong wind and torrential rainfall.
Sterling County	21	Est. 2000CST			0	0	0	0	Hail (0.75)
									The Sheriff's Office reported hail, larger than marbles, between six and eight miles south of Sterling City. The hail was in open rangeland and inflicted no damage.
Hutchinson County	21	2015CST 2100CST			0	0	0	0	Hail (1.75) Hail (0.75)
									DPS Officers encountered golfball-sized hail in Fritch. Forty-five minutes later, the same officers noted dime-sized hail in a blinding rain storm at Borger.
Potter County	21	2148CST			0	0	0	0	Hail (1.00)
									An observer reported one-inch hail in northwest Amarillo.
Donley County	21	2334CST			0	0	0	0	TSTM Wind (64) Funnel
									The Sheriff's Office reported thunderstorm wind of 64 knots, two miles west of Clarendon. A brief funnel was also observed.
Scurry County	22	0010CST			0	0	5	0	TSTM Wind
									Thunderstorm wind of unknown speed caused widespread roof, tree, and outbuilding damage throughout Snyder.
Hutchinson County	24	0550CST			0	0	3	0	Hail (1.75)
									Golfball-sized hail broke windows in Stinnett.
Carson County	24	0815CST			0	0	0	0	Hail (0.75)
									Hail up to 0.75 inch was noted in Panhandle.
Ochiltree County	24	0858CST			0	0	4	5	Hail
									Large hail of unknown size broke out numerous automobile windows in eastern parts of the county, according to the Sheriff's Department. The hail continued for nearly an hour and destroyed a wheat crop in the southeast part of the county.
Floyd County	29	1230CST			0	0	4	5	Hail (1.75) TSTM Wind
									A thunderstorm brought hail up to golfball in size throughout the western part of the county. Farmers reported that the combination of wind, hail, and three inches of rain destroyed most of the cotton and much of the corn and maize crops. In Lockney, high wind of unknown speed inflicted scattered damage to carports, outbuildings, and power lines.
<b>— TEXAS, Western</b>									
Ochiltree County	29	1435CST	0.1	40	0	0	0	3	Tornado (F0)
									The Sheriff reported, a tornado briefly touched down in a wheat field just west of Perryton. Only minor damage was done to the wheat crop.
Hutchinson County	29	Est. 1500CST			0	0	3	2	Hail (1.00)
									Hail up to one inch in diameter struck Borger. Tree, roof, and crop damage was most severe in the Meadowlark Addition of town.
Randall County	29	1530CST			0	0	0	0	Hail (1.75)
									The DPS reported golfball-sized hail at the intersection of McGorick Road and the Canyon E-Way, 11 miles south of Amarillo.
Lubbock County	29	1535CST			0	0	?	0	Hail (1.75)
									Golfball-sized hail covered the ground at Buffalo Springs Lake and along Highway 84 between Lubbock and Slaton. Damage amounts were not known.
Borden County	29	1630CST			0	0	0	0	Hail (1.75)
									Golfball-sized hail was observed 12 miles northwest of Gail at 1630 CST and again at 1715 CST.
Dickens County	29	1640CST			0	0	0	0	Hail (0.75)
									Three-quarter inch hail was observed by Skywarn Spotters in the vicinity of Steele in southern Dickens County.
Howard County	29	1935CST			0	0	0	0	Hail (1.00)
									A Skywarn Spotter reported 3/4 to 1-inch hail on the south side of Big Spring.
Martin County	29	1955CST 2019CST			0	0	0	0	Hail (1.75) Hail (1.75)
									The Stanton Civil Defense Director reported golfball-sized hail just south of town. At 2019 CST, the Sheriff's Office reported golfball-sized hail, torrential rain, and high winds associated with the same thunderstorm as it moved through Stanton.
Midland County	29	2030CST			0	0	0	0	Hail (1.75)
									A Deputy Sheriff reported golfball-sized hail five miles south of Stanton in the northeast corner of the county.
Farmer and Bailey Counties	29	2045CST			0	0	3	6	Hail (1.75) TSTM Wind (52)
									Hail, as large as golfballs, began falling at Bovina in western Farmer County and cut a four-mile-wide swath to the west side of Muleshoe, in Bailey County, and ended near Circle Back. About 2,000 acres of cotton in the storm's path was totally destroyed. The hail was accompanied by wind gusts to 52 knots at Muleshoe, according to a Skywarn Spotter.
Midland and Glasscock Counties	29	2105CST 2130CST			0	0	0	0	Hail (0.75) Hail (1.75)
									The Sheriff's Office reported hail of up to 3/4-inch diameter from six miles west of Garden City westward into eastern Midland County. At 2135 CST the public reported golfball-sized hail two miles west of Garden City.
Farmer County	29	2120CST			0	0	0	0	TSTM Wind (52)
									Thunderstorm wind gusted to 52 knots at Lariat in south Farmer County, according to a Skywarn Spotter.
Dawson County	30	Est. 0030CST			0	0	6	4	TSTM Wind (70)
									A large thunderstorm brought very high wind to a portion of the county, inflicting widespread severe damage. The worst damage occurred from Lamesa to Punkin Center, with much of that at Lamesa Municipal Airport. At the airport, four light aircraft sustained heavy damage when flipped and tumbled 30 to 40 yards. In the nearby Industrial Park, a cotton warehouse was totally destroyed, as were several hangars at the airport. In Lamesa, numerous buildings in the downtown business district received major roof and sign damage, and several power poles were snapped off at the base.
Howard County	30	0232CST			0	0	0	0	TSTM Wind (70)
									The public reported thunderstorm wind gusting in excess of 70 knots in the city of Big Spring.
Sterling County	30	0325CST			0	0	4	0	TSTM Wind
									The DPS reported very high thunderstorm wind in Sterling City. Some roof damage was noted.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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>42 UTAH</b>										
Uintah County, Vernal	05	1430MST		0	0	1	0		Thunderstorm Wind (G50)	
									A thunderstorm-associated wind gusted to 58 mph at the Vernal airport.	
UT2002 Great Salt Lake-Desert	15	1640MST		0	0	1	0		High Wind	
									Strong pre-frontal winds blew over a semitrailer truck on an Interstate 80 onramp at Black Rock. Sustained winds of 40 mph were observed at the automatic station at Timpie near the same time.	
UT2002 Great Salt Lake Desert	21	2149MST		0	0	1	0		High Wind (G54)	
									Strong post-frontal winds gusted to 62 mph at the Wendover weather station on this Sunday evening.	
Weber County, Ogden	29	1635MST		0	0	4	0		Flash Flood	
									A flash flood spotter in Ogden reported receiving 1.50 inches of rain in about 15 minutes on this Monday afternoon. The rainfall produced flash flooding which swamped many homes and basements. Local fire and flood control officials received over 200 calls from home owners requesting assistance in pumping basements and homes.	
Utah County, Provo	30	1856MST		0	0	1	0		Thunderstorm Wind (G50)	
									A localized thunderstorm downdraft gusted to 58 mph at the Provo airport.	
<b>43 VERMONT</b>										
Chittenden County, Charlotte	08	0730EST		0	0	3	2		Hail (1.25)	
Washington County, Northfield	08	0800EST		0	0	0	1		Hail (0.75)	
Orange County, Corinth	08	0815EST		0	0	1	2		Hail (1.0)	
Bradford	08	0830EST		0	0	0	0		Hail (0.75)	
									An early morning thunderstorm moved across Northern Vermont.	
Franklin County, Swanton	08	1921EST		0	1	5	3		Thunderstorm Winds	
St Albans	08	1945EST		0	0	3	2		Thunderstorm Winds	
Grand Isle County, Alburg	08	1945EST		0	1	5	0		Thunderstorm Winds	
Chittenden County, Richmond	08	2020EST		0	0	3	3		Thunderstorm Winds	
Washington County, Marshfield	08	2030EST		0	0	1	3		Thunderstorm Winds	
Marshfield	08	2030EST		0	0	0	0		Hail (1.0)	
Caledonia County, Sutton	08	2045EST		0	0	2	0		Hail (0.75)	
Rutland County, Menden	08	2055EST		0	0	2	0		Thunderstorm Winds	
Mc Holly	08	2055EST		0	0	2	0		Thunderstorm Winds	
Windsor County, Ludlow	08	2055EST		0	0	3	0		Thunderstorm Winds	
									A cold front out of Canada collided with warm, moist air over Vermont. Hailstones and winds created considerable damage in Swanton. In Swanton, the roof, on both a home and a four-bay garage were torn off. Some trees were uprooted and a few fell onto local homes. Between Exits 18 and 19 of Interstate 89, a gas tanker ran off the road during locally intense thunderstorms. The Interstate had to be closed down for a few hours.	
<b>44 VIRGINIA</b>										
Norfolk	02	1430EST		0	0	2	0		Thunderstorm Wind	
									A cluster of thunderstorms produced a wind gust of 69 mph at Norfolk. There was local street flooding with 3.2 inches of rain in Hampton. No reports of injuries or damage were received.	
Norfolk	02	1730EST		0	0	6	0		Lightning	
									Lightning hit 2 container cranes at Norfolk International Airport. Damage was estimated at \$500,000 to \$1,000,000.	
<b>45 VIRGINIA</b>										
Pulaski County	03	1500EST		0	0	2	3		Thunderstorm Wind	
									A cluster of thunderstorms moved through the county, producing gusty winds which knocked down large trees and flattened vegetation.	
Southampton County	03	1625EST		0	4	4	0		Thunderstorm Wind	
									Funnel	
									Strong winds hit a trailer park about 3 miles east of Courtland. Several large trees were downed, and subsequently damaged some mobile homes. There were four persons injured in one mobile home, one seriously. Residents reported seeing a funnel cloud.	
Henrico County	03	1625EST		0	0	3	0		Thunderstorm Wind	
									Funnel	
									Winds estimated at 55 knots or more downed large trees and power lines. A funnel cloud was reported by the public near Huguenot Bridge at 1730EST. Richmond received one inch of rain between 1730EST and 1800EST.	
VZ008 South-Central Virginia	21	1800EST		0	0	0	2		Flood	
									Lightning	
									Thunderstorms dropped 3 to 5 inches of rain in Patrick County, causing the Mayo River to rise more than 4 feet in less than 2 hours. The river crested at 7'9" at 2130EST in Stuart. Considerable crop damage occurred, and some livestock was lost due to falling trees. A barn was destroyed by a lightning-caused fire in Patrick Springs.	
<b>45 WASHINGTON</b>										
Lincoln County	08	0500 PST		0	0	0	0		Flash Flood	
									A thunderstorm formed during the morning hours over the town of Almira, 70 miles west of Spokane. Heavy rain fell between 6AM and Noon with a spotter report indicating nearly 2 inches of rain during that time. Damage was minimal with just water and mud on some streets caused by plugged culverts and storm drains.	
Stevens County	15	1800 PST		0	0	4	0		Flash Flood	
									A line of thunderstorms developed during the afternoon over southeastern Washington and moved northward during the evening. In Colville, 65 miles MNW of Spokane, nearly 1-1/2 inches of rain fell in a half hour, causing moderate urban-type flooding. Flooding of basements, and roof failures mainly on flat or damaged roofs were reported.	
Skagit & Snohomish Counties	21	1730 PST		0	0	0	0		Funnel Clouds	
									Thunderstorms developed in the late afternoon north of Everett and eastward toward the Cascade foothills. Funnel clouds were observed at Paine Field near Everett and at the Whidbey Island Naval Air Station. An amateur photographer also snapped pictures of a funnel over the town of Mt. Vernon at about the same time.	
<b>46 WEST VIRGINIA</b>										
Kanawha County, 10 E Charleston	01	1235EST		0	0	0	0		Hail (0.75)	
South Charleston	01	1235EST		0	0	3	0		Thunderstorm Wind (56)	
Putnam County, Scott Depot	01	1238EST		0	0	?	0		Hail (0.75)	
									Three-quarter inch diameter hail and high winds of up to 65 mph accompanied thunderstorms moving through south-central West Virginia. Heavy roofing was ripped from a building in South Charleston.	
Upshur County, Buckhannon	01	1515EST		0	0	0	?		Thunderstorm Wind (56)	
									High winds accompanying thunderstorms passing through north-central West Virginia uprooted several large trees in the Buckhannon area.	
Lincoln County	09	1500EST		0	0	4	0		Lightning	
									A lightning strike during a thunderstorm caused a fire that destroyed a large warehouse.	



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>WEST VIRGINIA</b>											
Harrison County, 1 E Clarksburg	09	1515EST			1	0	4	?			Thunderstorm Wind (61)
A 33-year-old male was killed instantly when 70 mph thunderstorm winds blew a large beech tree over and onto his pickup truck as he was travelling on WV Route 46, just east of Clarksburg.											
Barbour County, 7 NW Elkins	16	0930EST			0	1	?	0			Lightning
A male of unknown age was injured when, during a thunderstorm, lightning struck the line of the telephone he was using at his store in the town of Junior.											
Jackson County, 8 NE Ripley	16	1250EST			0	1	3	?			Thunderstorm Wind
A 27-year-old Cottageville woman was injured when violent thunderstorm winds blew a large oak tree onto her car as she travelled west on Route 331, about a mile west of Cottageville.											
WVZ009 Randolph County and Pocahontas County	16	1410EST			0	0	?	?			Flash Flooding
Slow-moving thunderstorms produced rainfall amounts of 2 to 3 inches across parts of southern Randolph County and northern Pocahontas County. Flash flooding was reported in the Valley Bend area. Several homes had to be evacuated, and roads were closed until the water receded.											
Hancock County	29	1635EST			0	0	?	?			Hail (1.75)
Hail of 1.75 inch diameter was reported in Wierton during a thunderstorm.											
Marshall County	29	1935EST			0	0	0	?			Thunderstorm Wind
Large trees were reported down north of Moundsville.											
Brooke County	29	2049EST			0	0	0	?			Thunderstorm Wind
Large trees were reported down in Colliers, 3 miles south of Wierton, during a thunderstorm.											
<b>47 WISCONSIN</b>											
Sarona, Washburn Co.	01	1755CST			0	0	?	?			Hail (2.75)
Hail up to the size of baseballs fell from a severe thunderstorm 8 miles east of Sarona.											
Vesper, Wood Co.	01	2105CST			0	0	4	0			Thunderstorm Wind
Strong thunderstorm winds downed several large trees, tore shingles off a church roof, blew off some barn doors, and knocked a 20 x 30 foot shed off its foundation 3 miles east of Vesper.											
Stevens Point, Portage Co.	05	2027CST			0	0	?	?			Hail (0.75)
A severe thunderstorm dropped hail up to 3/4 inch in diameter in Stevens Point.											
Rice Lake, Barron Co.	07	1618CST			0	0	0	0			Thunderstorm Wind (51)
Winds gusting to 59 mph from a severe thunderstorm were reported at the Rice Lake airport.											
Conrath, Rusk Co.	07	1645- 1700CST			0	0	5	0			Thunderstorm Wind
Violent thunderstorm winds and dime size hail hit just east of Conrath. An 80 foot tall, 70 ton silo was moved 10 inches off its footing and a stock tank with a foot of water in it was blown a half a mile. The winds clipped the top of another silo, uprooted at least 15 pine trees and blew down a storage shed.											
Chippewa Co.	07	1635CST			1	2	0	0			Thunderstorm Wind
A severe thunderstorm blew a 15 inch diameter tree onto a truck, killing its driver and injuring 2 passengers, about a 1/4 mile north of Bloomer. The same storm then collapsed a 71-year-old barn in Cadott. Thunderstorm wind M26V.											
Thorp, Clark Co.	07	1720CST			0	0	?	?			Hail (0.75)
A severe thunderstorm deposited hail up to 3/4 inch in diameter near Thorp.											
<b>WISCONSIN</b>											
Dorchester, Colby, and Wausau; Marathon Co.	07	1800CST			0	0	?	?			Hail (0.75)
A severe thunderstorm rolled across Marathon County dumping hail up to dime size at Dorchester. Strong winds accompanying the storm demolished a greenhouse in Colby and several large trees near Wausau.											
Antigo and Neva, Langlade Co.	07	1905CST			0	0	5	0			Thunderstorm Wind
A violent thunderstorm ripped the roof off a former department store near Antigo and threw it into a nearby parking lot. Lightning struck a barn near Neva, burning it to the ground.											
Wausau, Marathon Co.	07	1915CST			0	0	?	0			Thunderstorm Wind
Intense thunderstorm winds blew down several large trees including one 10 inches in diameter 3 miles southeast of Wausau.											
Eastman, Crawford Co.	17	1608CST	0.1	25	0	0	0	0			Tornado (F0)
A small tornado touched down briefly at McDonald Island 5 miles west of Eastman and knocked down some trees. Strong winds with the associated thunderstorm picked up a hog house and carried it 100 yards before putting it down, killing a 70 pound pig just north of Eastman.											
Wood Co.	18	0703CST			0	0	0	0			Funnel Cloud
A funnel cloud was sighted in the town of Grand Rapids near county trunks U and FF.											
Oshkosh, Winnebago Co.	18	1430CST			0	0	4	0			Thunderstorm Wind
Intense winds from a severe thunderstorm caused extensive damage to the Winnebago State Camp near Oshkosh. A roof was taken off a shed, and a wagon was pushed through the wall of an office. In Oshkosh, several large trees were sheared off and knocked power lines down affecting 3,600 homes.											
Washington Island, Door Co.	18	1740CST			0	0	3	0			Thunderstorm Wind (65)
A severe thunderstorm with winds gusting to 75 mph downed trees and power lines across Washington Island. One tree, 18 inches in diameter, crashed onto a pickup truck, caving in the roof.											
Sparta, Monroe Co.	19	1215CST			0	0	5	3			Lightning
Lightning struck a barn in rural Sparta. The resulting fire destroyed the barn, 1200 bales of straw, and 1000 bales of hay, and killed 10 llamas.											
Bancroft, Portage Co.	19	1353CST			0	0	4	0			Thunderstorm Wind
Winds from a severe thunderstorm blew a roof off a barn and deposited it 200 feet away, as well as knocking down several large trees near Bancroft.											
Brandon, Pond du Lac Co.	19	1430CST			0	0	4	0			Thunderstorm Wind
Strong thunderstorm winds ripped several sections of a barn off near Brandon.											
Mauston, Juneau Co.	24	1645CST			0	0	0	0			Hail (1.75)
Golfball size hail was reported with a severe thunderstorm 3 miles south of Mauston.											
Adams Co.	24	1735CST			0	0	0	0			Funnel Cloud
A funnel cloud was spotted just south of Easton.											
Oconomowoc, Waukesha Co.	25	0612CST			0	0	4	0			Thunderstorm Wind
A severe thunderstorm produced gusty winds which downed large trees, including a 50 foot maple, and power lines in Oconomowoc. A pickup truck and car each were crushed by large trees.											
River Falls, Prescott Ellsworth, and Plum City; Pierce County	28	1635CST			0	0	0	?			Hail (1.00)
Hail up to 1 inch in diameter fell from a severe thunderstorm in River Falls. The same storm generated downburst winds to 60 mph which caused scattered damage across the county. Several large trees, including a 75-year-old linden tree, were knocked down in Prescott, trees and power lines were downed in Ellsworth, and a mobile home was moved 6 feet off a foundation in Plum City.											

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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<b>WISCONSIN</b>									
Roberts, St. Croix Co.	28	1640CST			0	0	4	0	Thunderstorm Wind
									Intense winds from a severe thunderstorm uprooted a large number of pine trees, some 60 feet tall, and damaged 2 homes, 2 miles south of Roberts. One house had its roof torn off and a 30 foot antenna ripped away.
Porcupine and Durand, Pepin Co.	28	1735CST	0.6	100	0	0	5	?	Tornado (F1)
	28	1745CST			0	0	4	?	Thunderstorm Wind
									A tornado skipped through a rural area 1 mile east of Porcupine, damaging 3 barns, 2 sheds, a windmill and a house. Extensive crop damage also took place. Intense thunderstorm winds damaged 2 garages, a boat car and 2 homes 1 mile east of Durand. In all, about \$200,000 in damage occurred.
Eau Claire, Eau Claire Co.	28	1826CST			0	0	5	0	Thunderstorm Wind
									A severe thunderstorm produced gusty winds which destroyed a barn, chicken coop, and shed 15 miles southwest of Eau Claire.
Abbotsford, Marathon Co.	28	1835CST			0	0	4	0	Thunderstorm Wind
									Winds from a severe thunderstorm lifted a roof off a school building and deposited it on a nearby road.
Arcadia, Trempealeau Co.	28	1840CST			0	0	5	0	Thunderstorm Wind
									Violent thunderstorm winds blew down a 30 X 60 foot calf barn, destroyed a 40 X 100 foot pole shed and damaged a cattle barn, 6 miles south of Arcadia.
Bear Creek, Waupaca and Outagamie Counties	28	1930-1940CST			0	0	4	?	Thunderstorm Wind
	28	1930-1940CST			0	0	4	?	Hail (1.75)
									Thunderstorm downburst winds accompanied by hail up to golfball size heavily damaged an 8 mile swath of farm land and homes. House windows were cracked, power lines downed and trees uprooted. Hundreds of acres of corn, alfalfa and cabbage were damaged. The area ran from 3 miles west of Bear Creek eastward to the Embarras River.
Thiensville, Ozaukee Co.	29	1422CST			0	0	0	?	Thunderstorm Wind
									Gusty thunderstorm winds tore off 5 to 10 inch diameter limbs from several large trees in Thiensville.
WIZ002-003-004-005 Northern Wisconsin		Spring			0	0	0	7	Drought
									Lack of spring rains following a dry and mild winter produced a drought over many areas of Barron, Burnett, Florence, Forest, Oneida, Polk, Rusk, Sawyer, Vilas, and Washburn counties. In Burnett County alone, over \$8 million of hay was lost. Some areas were about a foot below the average rainfall for the first 6 months of the year. Besides hay, other affected crops were corn, alfalfa, oats, soybeans, barley, wheat, and snapbeans.
<b>48 WYOMING</b>									
WYZ001 Yellowstone National Park	05	1815MST			0	0	0	0	High wind
									Rangers in the west section of Yellowstone National Park reported winds near 40 miles an hour. A few trees were uprooted.
Albany County, 4NW Albany	07	1350MST			0	0	0	0	Hail (.25)
									At 1350MST the Albany County sheriff reported that extensive quarter inch hail covered Highway 11 about four miles northwest of Albany.
Platte County, 20S Chugwater	07	1800MST			0	0	0	0	Funnel cloud
									A funnel cloud was reported about 20 miles south of Chugwater. Whether the funnel had reached to the ground could not be confirmed.
<b>WYOMING</b>									
Platte County: Wheatland	07	1820MST			0	0	?	?	Hail (.75)
20S Wheatland	07	1830MST			0	0	0	0	Funnel cloud
Wheatland	07	1830MST			0	0	5	4	Hail (1.75)
10W Wheatland	07	1920MST			0	0	4	5	Flash flood
8W Chugwater	07	1930MST			0	0	?	?	Hail (1.75)
Wheatland	07	2040MST			0	0	5	5	Flash flood
Goshen County, 15W Veteran	07	2058MST			0	0	0	0	Funnel cloud
Laramie County, 6N Cheyenne	07	2100MST			0	0	0	0	Hail (.50)
									A severe thunderstorm developed over Laramie Peak in the Laramie Mountains after 1815MST and moved southeast. This severe thunderstorm moved over the town of Wheatland and dumped between 2 to 5 inches of rain over the Wheatland area in a little more than one hour. Also, hail between 3/4 and 1-3/4 inches in diameter accompanied these torrential rains. The heavy rains caused flooding mostly along the North Laramie River and Cottonwood Creek, and some of this flooding extended into the town of Wheatland. Many houses in the west section of Wheatland were flooded with between 4 inches to 4 feet of water. Due to the heavy rain, numerous road closures were reported over central and southern Platte County and into southwest Goshen County. Hail pelted cars, trucks, homes and crops over central and southern Platte County. There was also a report of extensive crop damage to corn and beans. As the severe thunderstorm continued southeast, 2 funnel clouds were spawned by the storm. The first funnel cloud was spotted about 20 miles south of Wheatland. The second funnel was located 15 miles west of Veteran, in central Goshen County. Reports from the Emergency Management officials showed that neither of the funnel clouds touched down. This severe thunderstorm also pelted Chugwater with 1-3/4 inch diameter hail, but no damages were reported. Later, as the storm moved into Laramie County, half-inch diameter hail fell 6 miles north of Cheyenne.
Washakie County, 10N Worland	07	2100MST			0	0	?	4	Flash flood
									A thunderstorm swept through northern Washakie County north of Worland with drenching rain. A pipeline plant, 7 houses and numerous crop fields north of Worland were flooded by the rain. The pipeline plant reported 4-foot deep flood waters. A farmer, located north of Worland, said 100 acres of barley and hay were under water.
Carbon County, 20E Saratoga	08	1230MST			0	0	0	0	Funnel cloud
									A pilot spotted a funnel cloud about 20 miles east of Saratoga. The pilot noted that the funnel cloud dissipated without touching down.
Fremont County: Midvale	08	1630MST			0	0	0	4	Hail (.25)
15NW Riverton	08	1645MST			0	0	0	0	Funnel clouds
10N Riverton	08	1700MST			0	0	?	4	Heavy Rain
									At 1630MST a strong thunderstorm moved over the town of Midvale (2 miles south and 8 miles east of Pavillion) and deposited hail 1/4 inch diameter to a depth of 4 inches. A report from Midvale indicated that this hail severely damaged 50 acres of barley and 70 acres of alfalfa. A farmer north of Riverton saw 3 funnel clouds protrude from a very strong thunderstorm. This very strong thunderstorm north of Riverton dumped between 2 to 3 inches of rain in about 2 hours. Many fields of barley and beans were washed out. Also, numerous secondary roads were damaged.
Hot Springs County, Thermopolis	08	1950MST			0	0	0	0	Minor urban flooding
									A thunderstorm moved over the city of Thermopolis and drenched part of the city. This heavy rain caused some minor urban flooding to the Red Lane Area of Thermopolis.
Washakie County, 10N Worland	08	2005MST			0	0	5	4	Flash flood
									A torrential rainstorm moved west and north of downtown Worland. This rainstorm dumped between 1 to 4 inches of rain over the Worland area in a couple of hours. The sheriff's department reported numerous fields of crops damaged, with a few roads flooded, mainly west and north of Worland. One farmer lost nearly 200 acres of malt barley, alfalfa, and sugar beets. Heavy rain on June 7 and 8 north of Worland helped wash out a good section of an irrigation canal on the night of June 8. Extensive flooding was also noted by the sheriff's department along the Washakie and Big Horn county line later that night.
Park County, 54W Cody	08	2130MST			0	0	0	0	Heavy rain
									A heavy rainstorm over the east section of Yellowstone National Park produced a mud slide on Sylvan Pass, about 15 miles from the East Entrance. This mud slide was produced by 2 to 3 inches of rain.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

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<b>WYOMING</b>									
Park County, 22NE Cody	08	2200MST			0	0	?	?	Heavy rain
	08	2215MST			0	0	0	?	Hail (.50)
<p>A strong thunderstorm moved over the Heart Mountain area and dumped over 1-1/2 inches of rain. The accompanying hail also pounded crops. In some places the hail looked just like a snow storm. The hail was confined mostly to a very narrow strip not even a mile in length. Sugar beet fields were especially damaged by the hail. This strong thunderstorm also affected the town of Cody and the town of Meeteetse with washed roads and some water-filled basements.</p>									
Teton County, 27NE Jackson	09	1430MST			0	0	5	0	Lightning
<p>Lightning strikes near the Gros Ventre River destroyed a \$350,000 home.</p>									
Laramie County: 16NE Cheyenne 3N Cheyenne	09	1855MST			0	0	0	0	Funnel cloud
	09	1929MST			0	0	0	0	Funnel cloud
<p>Weather Service personnel at the airport spotted a funnel cloud about 16 miles northeast of Cheyenne. This funnel cloud was also sighted by the general public north of Archer. A sheriff's deputy at about 1929MST noticed a funnel cloud just to the north of Cheyenne. Moderate to heavy rain accompanied this strong thunderstorm. None of these funnel clouds touched down. The town of Archer is located about 10 miles east of Cheyenne.</p>									
Natrona County, Casper	11	1820MST			0	0	0	0	Thunderstorm wind (54)
<p>At 1820MST a strong thunderstorm moved through the Casper area. This thunderstorm whipped winds gusting to 63 miles an hour at the Natrona County International Airport west of Casper.</p>									
Park County, 8SW Cody	15	1230MST			0	0	0	0	Funnel cloud
	15	1430MST			0	0	4	0	Thunderstorm wind
<p>At 1230MST a funnel cloud was sighted 8 miles southwest of Cody up the South Fork. The funnel cloud did not touch down, but rapidly went back into the thunderstorm. Strong thunderstorm winds raked through Park County with numerous trees and power lines blown down between Cooke City and Cody.</p>									
Fremont County: Lander	15	1705MST			0	0	3	0	Thunderstorm wind (54)
Dubois	15	1730MST			0	0	?	0	Thunderstorm wind (52)
<p>A strong thunderstorm rumbled through Fremont County and caused wind gusts of 62 miles an hour at Hunt Field in Lander and 60 miles an hour at Dubois. The sheriff's department reported that some trees were blown down in Dubois in association with the strong winds. During these strong winds in downtown Lander, a large plate glass window was blown out.</p>									
Park County: Cody	15	1711MST			0	0	0	0	Thunderstorm wind (54)
Cody	15	1750MST			0	0	2	0	Thunderstorm wind (57)
<p>A strong thunderstorm swept through central Park County with winds gusting between 62 and 66 miles an hour at Cody Regional Airport. A storage shed was blown over in the strong winds.</p>									
Platte County, 1E Glendo	17	1638 to 1648MST	0.2	10	0	0	0	0	Tornado (F0)
<p>At 1638MST a severe thunderstorm spawned a tornado 1 mile east of Glendo. This tornado briefly touched down before disappearing back into the thunderstorm.</p>									
Natrona County, 10N Casper	18	1420 to 1435MST	7	50	0	0	5	0	Tornado (F2)
<p>A Life-Flight helicopter returning to Casper spotted a tornado about 10 miles north of Casper moving through the Homa Hills Trailer Park. Three to four mobile homes were severely damaged. Eight other trailers experienced window damage. The Deputy Emergency Management Coordinator for Natrona County said that one mobile home in Homa Hills Trailer Park was totally destroyed.</p>									
Natrona County, Casper	18	1505MST			0	0	0	0	Funnel cloud
<p>A funnel cloud was sighted about 1505MST by an air traffic controller at the Natrona County International Airport.</p>									
Big Horn County, 20SE Manderson	18	1608 to 1620MST	2	15	0	0	0	0	Tornado (F0)
<p>The public reported a tornado about 20 miles southeast of Manderson in southern Big Horn County. This locates the tornado along a dirt road between Hyattsville and Ten Sleep. The tornado tore some sage brush loose. A pilot flying between Sheridan and Worland observed this tornado intermittently touching the ground between Hyattsville and Ten Sleep.</p>									
<b>WYOMING</b>									
Platte County, 8N Glendo	18	1935 to 1950MST	.8	15	0	1	4	0	Tornado (F1)
<p>A severe thunderstorm moved over the eastern plains of Wyoming and produced a tornado about 8 miles north of Glendo. As this tornado passed north of Glendo it passed over a small ranch. The tornado tore off the patio roof and caused a patio window to explode while one of the residents was passing by. This resident received some minor cuts due to broken glass.</p>									
Johnson County, Buffalo	19	1425MST			0	0	?	?	Hail (1.00)
<p>A very strong thunderstorm dumped 1-inch diameter hail over the Buffalo area.</p>									
Campbell County: Gillette	19	1545MST			0	0	0	0	Hail (.50)
Gillette	19	1615MST			0	0	?	?	Hail (.75)
7SW Gillette	19	1620MST			0	0	0	0	Funnel cloud
Crook County: 7SW Moorcroft 6N Moorcroft	19	1655MST			0	0	?	?	Hail (1.25)
	19	1740MST	5	50	0	0	0	0	Tornado (F0)
<p>A severe thunderstorm developed southwest of Gillette and moved northeast during the afternoon and evening of June 19. As this thunderstorm moved over Gillette 1/2 to 3/4 inch diameter hail was reported. A funnel cloud was spotted about 7 miles southwest of Gillette. Later in the day this thunderstorm moved into Crook County and pelted roofs and broke windows with 1-1/4 inch diameter hail. A tornado touched down about 5 miles north of Interstate 90 near Moorcroft. This thunderstorm deposited over 2 inches of rain in Gillette during a period of 2 hours. Some minor flooding was observed in Gillette with these heavy rains.</p>									
Laramie County, 2E Carpenter	20	1335 to 1345MST	.8	25	0	0	0	0	Tornado (F0)
<p>A cooperative weather observer reported that a tornado touched down about 2 miles east of Carpenter. No damages were reported.</p>									
Platte County, 1N Slater	23	1445MST			0	0	?	?	Hail (.50)
Goshen County: Yoder	23	1615MST			0	0	?	?	Hail (.75)
LaGrange	23	1700MST			0	0	?	?	Hail (.75)
10NW Hawk Springs	23	1700MST			0	0	0	0	Funnel cloud, Thunderstorm winds (50)
12W Hawk Springs	23	1700MST			0	0	0	0	Thunderstorm winds (50)
<p>A severe thunderstorm over southern Platte County moved through central and southern Goshen County with hail, heavy rain, funnel clouds and thunderstorm winds. The Goshen County Sheriff Department reported 3/4 inch diameter hail extending over much of southern Goshen County. Air Force personnel reported wind gusts of 58 miles an hour at missile sites near Hawk Springs.</p>									
Johnson County: 7E Buffalo	25	1430MST			0	0	4	5	Hail (.50)
7E Buffalo	25	1445MST			0	0	0	4	Heavy rain
<p>A strong thunderstorm produced half-inch diameter hail about 7 miles east of Buffalo. One rancher east of Buffalo said that this hail cut a swath approximately 2 miles wide. Damage was done to gardens, crops, and roofs, and paint was chipped off the sides of buildings. Another rancher east of Buffalo had crop damage to 200 acres of hay. He also reported 2-1/2 inches of rain in just 20 minutes and half-inch diameter hail that accumulated to a depth of 2 inches. This rancher said the hail made the highways just like ice.</p>									
Johnson County, Buffalo	26	1430MST			0	0	?	?	Hail (.50)
<p>A thunderstorm moved over the town of Buffalo and coated many of the roofs with half-inch diameter hail. Public reports indicated that the accumulation of hail on the roof tops gave them the appearance of being snow covered.</p>									
Laramie County: 22N Cheyenne	28	1405MST			0	0	0	0	Hail (.50)
3N Cheyenne	28	1435MST			0	0	0	0	Hail (.25)
3SE Cheyenne	28	1440MST			0	0	?	?	Hail (.50)
3S Cheyenne	28	1455MST			0	0	?	?	Hail (.50)
<p>At 1405MST, Weather Service personnel reported half-inch diameter hail being deposited to a depth of 2 inches near Crystal Reservoir. Locally heavy rain was also observed with these thunderstorms, mostly south of Cheyenne near the community college.</p>									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1987

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
49 ALASKA, Northern ——— NO REPORT RECEIVED									
49 ALASKA, Southern									
Cook Inlet	07	0200AST	2	2	4	0	High Wind	Strong winds out of Turnagain Arm, measured at 35 mph at Anchorage International Airport and estimated at over 60 mph across northern Cook Inlet, swamped several small boats. There were 2 deaths from drowning and 2 injuries from hypothermia.	
Aleutians	08	0800AST	0	0	?	0	High Wind	A strong storm in the central Aleutians caused wind gusts of up to 60 mph at Cold Bay.	
Kuskokwim Valley	10	Afternoon	0	0	2	0	Thunderstorm Winds	Several small outbuildings were damaged by strong winds in Stoney River. Large thunderstorms were indicated by satellite in the area. The event was described as a small tornado, but no confirmation of a tornado could be made.	
Cook Inlet	14	0905AST	0	0	0	0	Funnel Cloud	A small funnel cloud over Anchorage lasted 3 to 4 minutes. It was reported by FAA observers and seen by WSFO meteorologists. No thunderstorms were reported in the area.	
Aleutians	16	Morning	0	0	?	0	High Wind	A strong storm in the western Gulf of Alaska brought wind gusts of up to 50 mph at Dutch Harbor, Kodiak and Cold Bay. High winds and seas disrupted commercial fishing operations.	
Bristol Bay	28-29		0	0	4	0	High Wind	A strong occluded front moved through the Alaska Peninsula. Wind gusts were estimated at near 100 mph at Ektigik and flipped several planes on the ground. Iliamna reported gusts of up to 61 mph.	
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 1987

TYPE	ALABAMA	ARIZONA	ARKANSAS	CALIFORNIA	COLORADO	CONNECTICUT	DELAWARE	FLORIDA	GEORGIA	IDAHO	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MAINE	MARYLAND & DC	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE
<b>TORNADOES</b>																											
Number	5			1	23		0	9		3	10	4	3	8	3						6	1	1	2		8	1
Days	3			1	8			7		3	3	3	3	5	3						3	1	1	2		6	1
Deaths	0			0	0			0		0	0	0	0	0	0						1	0	0	0		0	0
Injuries	0			0	0			1		3	0	0	0	0	0						6	0	0	1		2	0
Property Damage	4			5	4			4		5	5	4	3	5	4						6	5	5	2		5	2
Crop Damage	0			?	0			0		4	4	0	3	4	0					0	0	0	0		3	0	
<b>HAIL</b>																											
Deaths	0			0	0	0		0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Injuries	0			0	0	0		0	0	5	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Property Damage	?			?	7	?		?	?	7	3	2	5	5	3	?	?	2	0		4	5	?	?	3	6	?
Crop Damage	0			0	7	?		?	?	6	5	?	6	6	3	?	0	3			6	5	?	?	5	7	0
<b>THUNDERSTORM WINDS</b>																											
Deaths	0	0	0	0	1	0		0	0	0	0	0	0	0	0	0					2	0	0	0	0	0	0
Injuries	0	0	0	0	0	0		0	0	1	5	3	0	17	4	0					1	1	0	0	0	0	0
Property Damage	4	3	5	3	4	3		4	5	6	5	5	6	6	5	5		4		3	6	5	5	4	6	5	4
Crop Damage	0	0	0	0	0	?		0	?	4	4	?	5	5	0	?		2		0	0	?	3	4	5	0	0
<b>HIGH WINDS</b>																											
Deaths					0																						0
Injuries					0																						0
Property Damage					5																						4
Crop Damage					4																						0
<b>LIGHTNING</b>																											
Deaths	2		1	0	1			1	1	0	1	0	0	0	0	1		1	0	0	0	1	1	1		0	0
Injuries	1		1	0	5			0	16	0	2	1	0	0	2	0		0	0	2	4	3	0	0		0	0
Property Damage	0		5	?	5			5	4	5	5	5	5	5	4	?		6	4	4	4	5	2	0		5	1
Crop Damage	0		0	0	0			0	0	4	3	0	0	0	0	0		0	0	0	0	0	0	0		0	0
<b>FLASH FLOODS</b>																											
Deaths	0			0					0	0	0			0	0	0					1	0			0	0	0
Injuries	?			?					?	1	?	?	?	?	?	?					0	0			0	0	0
Property Damage	?			?					?	5	6	?	?	4	4	?					4	5			2	5	5
Crop Damage	0			0					0	0	?	?	?	4	4	?				0	0	0		2	5	5	?
<b>FLOODS</b>																											
Deaths					0																		0			0	0
Injuries					0																		0			0	0
Property Damage					5																		?			3	3
Crop Damage					5																		?			3	3
<b>HEAVY SNOWSTORMS AND BLIZZARDS @</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>ICE STORMS #</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>HURRICANES AND TROPICAL STORMS</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>ALL OTHERS</b>																											
Deaths	0								1							0											
Injuries	0								0							0											
Property Damage	5								0							?											
Crop Damage	0								0							?											

SEE REFERENCE NOTES FOR STORM DAMAGE CATEGORIES

# STORM SUMMARY

JUNE 1987

TYPE	NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKLAHOMA	OREGON	PENNSYLVANIA	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN	WYOMING	ALASKA	HAWAII	PACIFIC	PUERTO RICO	VIRGIN ISLANDS	NATIONAL DEATH & INJURY TOTALS
<b>TORNADOES</b>										0												*					
Number		3	2		3	2			4			1		19						2	6						
Days		3	2		1	2			2			1		9						2	4						
Deaths		0	0		0	0			0			0		0						0	0						
Injuries		0	0		0	0			1			0		4						0	1					2	
Property Damage		3	4		5	5			5			0		5						5	6						
Crop Damage		0	3		2	0			0			0		3						2	0						
<b>HAIL</b>																											
Deaths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Property Damage	1	5	3	?	5	5	?	4	?	4	3	0	5	5	3	3	?	?	4	5	5	5	5	5	5	5	
Crop Damage	3	?	3	?	5	0	?	?	3	4	6	4	6	6	0	4	3	?	?	5	5	5	5	5	5	5	
<b>THUNDERSTORM WINDS</b>																											
Deaths	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	6	
Injuries	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	2	4	0	1	2	0	0	0	0	0	52	
Property Damage	6	4	4	5	5	7	6	?	7	6	5	5	6	6	1	6	5	4	4	6	4	4	4	4	4	4	
Crop Damage	0	0	4	?	0	3	?	?	3	0	0	0	4	4	0	3	3	?	?	?	0	0	0	0	0	0	
<b>HIGH WINDS</b>																											
Deaths							0								0												0
Injuries							0								0												0
Property Damage							4								1												0
Crop Damage							0								0												0
<b>LIGHTNING</b>																											
Deaths	1	2	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	
Injuries	0	2	0	3	0	2	2	0	4	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	49	
Property Damage	0	0	5	0	5	0	5	?	5	6	4	5	5	6	0	6	0	4	4	5	5	5	5	5	5	5	
Crop Damage	0	0	0	0	0	0	?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>FLASH FLOODS</b>																											
Deaths		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	
Injuries		0	0	0	0	0	0	0	0	0	0	0	?	0	0	0	0	0	0	0	0	0	0	0	0	1	
Property Damage		2	6	3	5	?	?	?	6	4	4	5	7	7	4	4	?	?	?	?	?	?	?	?	?	?	
Crop Damage		0	4	0	0	?	?	?	0	0	0	0	0	9	0	0	0	?	?	?	5	5	5	5	5	5	
<b>FLOODS</b>																											
Deaths			0			0								2													2
Injuries			0			0								?													?
Property Damage			3			2								6													?
Crop Damage			0			?								8													?
<b>HEAVY SNOWSTORMS AND BLIZZARDS @</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>ICE STORMS #</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>HURRICANES AND TROPICAL STORMS</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>ALL OTHERS</b>																											
Deaths																											1
Injuries																											0
Property Damage																											0
Crop Damage																											0

SEE REFERENCE NOTES FOR STORM DAMAGE CATEGORIES

## REFERENCE NOTES

### STORM DAMAGE CATAGORIES

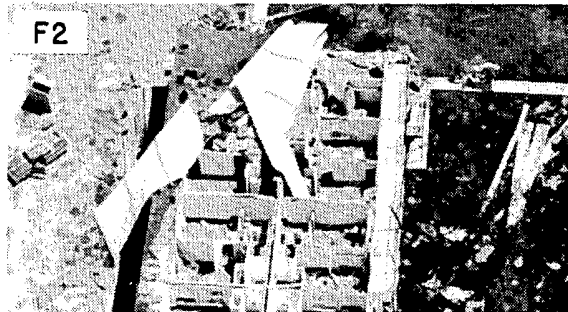
- 1 Less than \$50
- 2 \$50 to \$500
- 3 \$500 to \$5,000
- 4 \$5,000 to \$50,000
- 5 \$50,000 to \$500,000
- 6 \$500,000 to \$5 Million
- 7 \$5 Million to \$50 Million
- 8 \$50 Million to \$500 Million
- 9 \$500 Million to \$5 Billion

- 0/Blank None reported.
- \* Miles instead of yards.
- \*\* Yards instead of miles.
- @ Includes heavy sleet storm.
- # Freezing drizzle and freezing rain, commonly known as glaze.
- ≠ Report incomplete.
- ≠≠ Report not received.
- o/c Indicates Crop Damage amount is included in the value given for property damage.

When reports are not received or are incomplete, the Storm Summary National Death and Injury totals may also be incomplete.

### Definition of Fujita Tornado Scale (F scale)

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



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



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

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



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

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



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

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

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

# NATIONAL SUMMARY OF LIGHTNING, 1986

HENRY N. VIGANSKY  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE  
NATIONAL CLIMATIC DATA CENTER

## ADDITIONAL TABLES

The following two tables have been developed for inclusion in the 1986 National Summary of Lightning. These tables are for lightning deaths and injuries ranked by state, and location of occurrence, for the period 1959-1986 and 1986. In the future, these tables will be incorporated into the National Summary of Lightning.



# LIGHTNING DEATHS BY STATE, RANK, AND LOCATION OF OCCURRENCE

1959-1986

1986

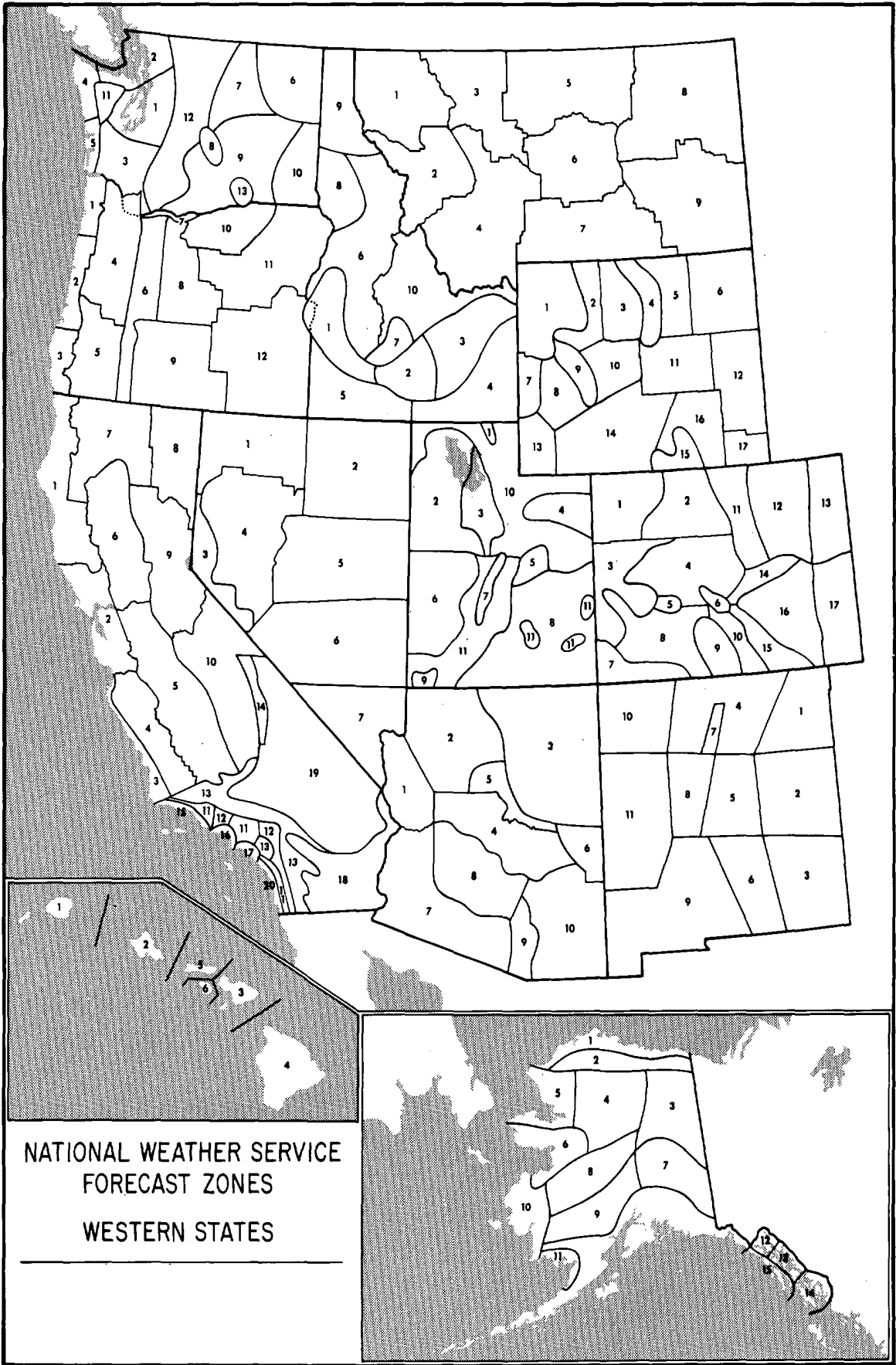
STATE	RANK	OPEN FIELDS, BALL PARKS, AND OPEN SPACES		UNDER TREES		BOATING, FISHING AND WATER RELATED		NEAR TRACTORS HEAVY ROAD EQUIPMENT		GOLF COURSES		AT TELEPHONES		VARIOUS OTHER AND UNKNOWN LOCATIONS		OPEN FIELDS, BALL PARKS, AND OPEN SPACES		UNDER TREES		BOATING, FISHING AND WATER RELATED		NEAR TRACTORS HEAVY ROAD EQUIPMENT		GOLF COURSES		AT TELEPHONES		VARIOUS OTHER AND UNKNOWN LOCATIONS	
		NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
ALABAMA	16	16	23	17	25	7	10	3	4	1	2	2	3	23	33	1	25	3	75										
ALASKA	51																												
ARIZONA	27	20	45	6	14	4	9			3	7	2	5	9	20	1	50			1	50								
ARKANSAS	9	33	34	19	20	10	10	7	7	2	2			26	27														
CALIFORNIA	40	5	31	3	19	2	13	1	6					5	31														
COLORADO	15	36	51	17	24	4	6	3	4	5	7			6	8	1	100												
CONNECTICUT	42	2	17	2	17					3	25			5	41														
DELAWARE	43	4	37			4	36	1	9					2	18							1	100						
DISTRICT OF COLUMBIA	49			2	67					1	33																		
FLORIDA	1	77	29	32	12	69	26	20	7	6	2			65	24	3	30	2	20	4	40						1	10	
GEORGIA	19	18	27	16	24	10	15	1	2	4	6	2	3	15	23	1	25	2	50								1	25	
HAWAII	52																												
IDAHO	35	11	58	3	15	2	11	2	11	1	5																		
ILLINOIS	17	16	24	10	15	3	4	6	9	6	9	1	1	26	38					1	100								
INDIANA	20	9	14	19	29	5	8	6	9	1	2	2	3	23	35			1	100										
IOWA	23	8	14	8	14	1	2	5	8	2	3			35	59					1	100								
KANSAS	25	12	26	1	2	4	9	10	22	2	4			17	37														
KENTUCKY	18	19	29	10	15	4	6	3	4	1	2	1	2	28	42	1	50	1	50										
LOUISIANA	7	14	14	28	28	32	31	8	8					19	19					2	100								
MAINE	37			2	12	6	35							9	53														
MARYLAND	6	6	6	5	5	13	12							84	77													1	20
MASSACHUSETTS	32	4	18	3	13	1	4			1	4	1	4	13	57			1	50	4	80						1	50	
MICHIGAN	11	23	28	19	23	8	10	2	3	10	12	2	3	17	21									1	20		4	80	
MINNESOTA	26	14	32	10	23	3	7	5	11	1	2	2	5	9	20														
MISSISSIPPI	12	27	35	18	24	9	12	4	5					18	24	3	100												
MISSOURI	14	15	21	15	21	10	14	5	7	3	4	2	3	21	30														
MONTANA	36	7	39	2	11	1	6	4	22					4	22														
NEBRASKA	30	15	43	2	6	3	8	9	26					6	17														
NEVADA	48													3	100														
NEW HAMPSHIRE	46	2	40							1	20			2	40														
NEW JERSEY	24	16	33	5	10	12	25	2	4	4	8	2	4	8	16														
NEW MEXICO	21	28	44	12	19	5	8			1	2			17	27														
NEW YORK	5	13	12	28	26	16	15	4	4	5	5			42	38														
NORTH CAROLINA	2	31	22	15	10	18	13	6	4	5	4	1	1	66	46			2	50	1	25	1	25						
NORTH DAKOTA	44	1	10			3	30							6	60														
OHIO	8	33	33	19	19	13	13	3	3	7	7	1	1	24	24	2	100												
OKLAHOMA	13	26	34	11	15	14	18	5	7	1	1	2	3	17	22														
OREGON	45	3	50											3	50														
PENNSYLVANIA	10	27	29	11	12	3	3	3	3	11	12	1	1	38	40	2	100												
PUERTO RICO	31	11	42	6	23	1	4							8	31	1	100												
RHODE ISLAND	47					1	25							3	75														
SOUTH CAROLINA	22	14	22	13	20	5	8	7	11	1	2	3	5	20	32	1	100												
SOUTH DAKOTA	39	5	29	1	6	2	12	7	41	1	6			1	6							1	100						
TENNESSEE	4	32	30	25	23	8	7	8	7	6	6	2	2	27	25	3	75										1	25	
TEXAS	3	60	44	24	18	19	14	5	4	4	3			24	17	1	50					1	50						
UTAH	33	11	52	4	19	1	5			1	5	1	5	3	14	2	100												
VERMONT	41	1	8	1	8	4	31							7	53														
VIRGINIA	29	7	18	7	18	4	11	3	8	2	5			15	40									1	100				
WASHINGTON	50	1	100																										
WEST VIRGINIA	38	5	29	2	12	2	12			1	6			7	41														
WISCONSIN	28	3	8	3	8	9	23	4	10	6	15			14	36														
WYOMING	34	11	52	2	10	3	14	1	5					4	19														
UNITED STATES		752	28	458	17	355	13	166	6	110	4	30	1	844	31	25	37	12	18	14	21	5	7	2	3		10	14	

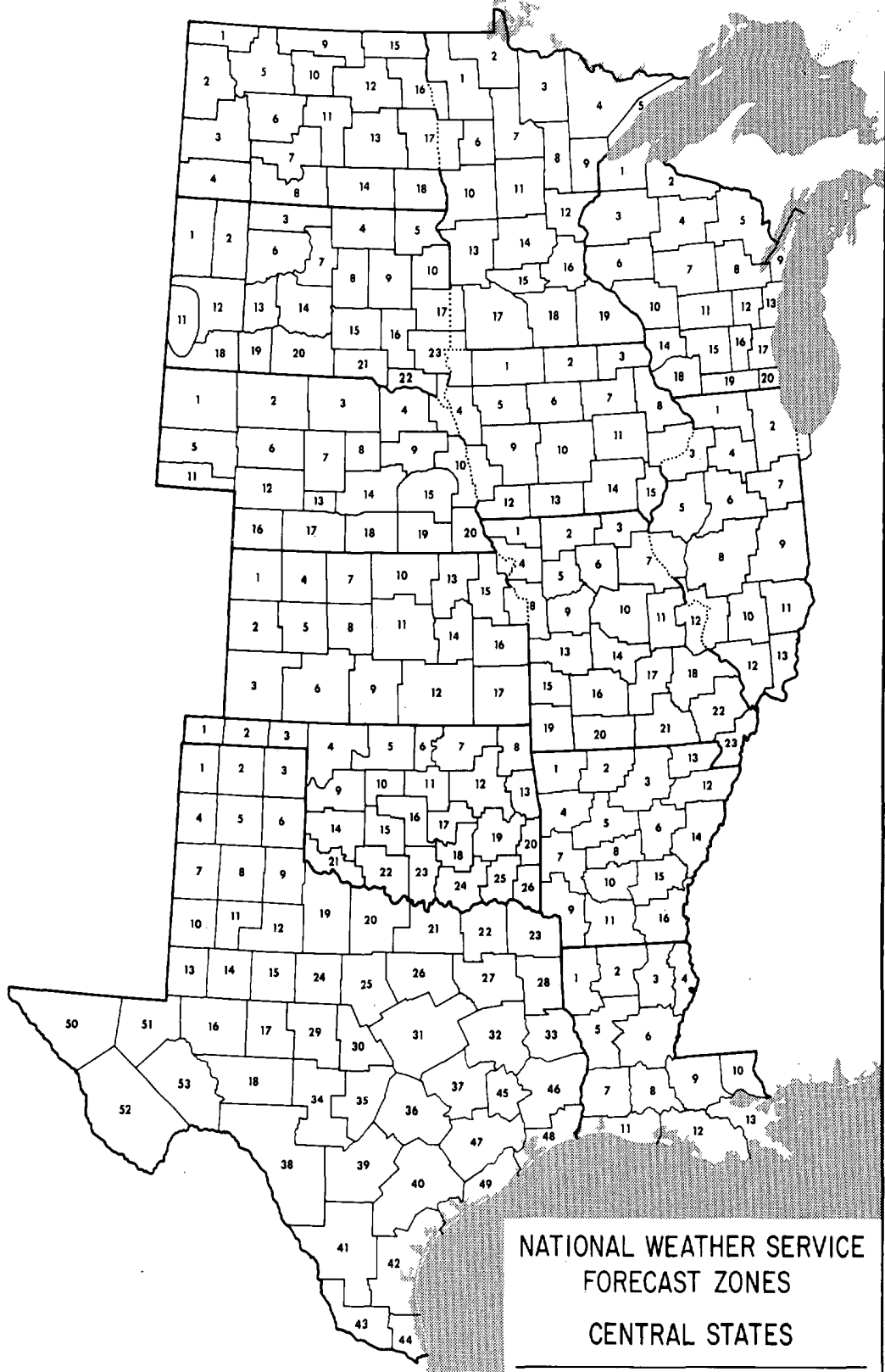
# LIGHTNING INJURIES BY STATE, RANK, AND LOCATION OF OCCURRENCE

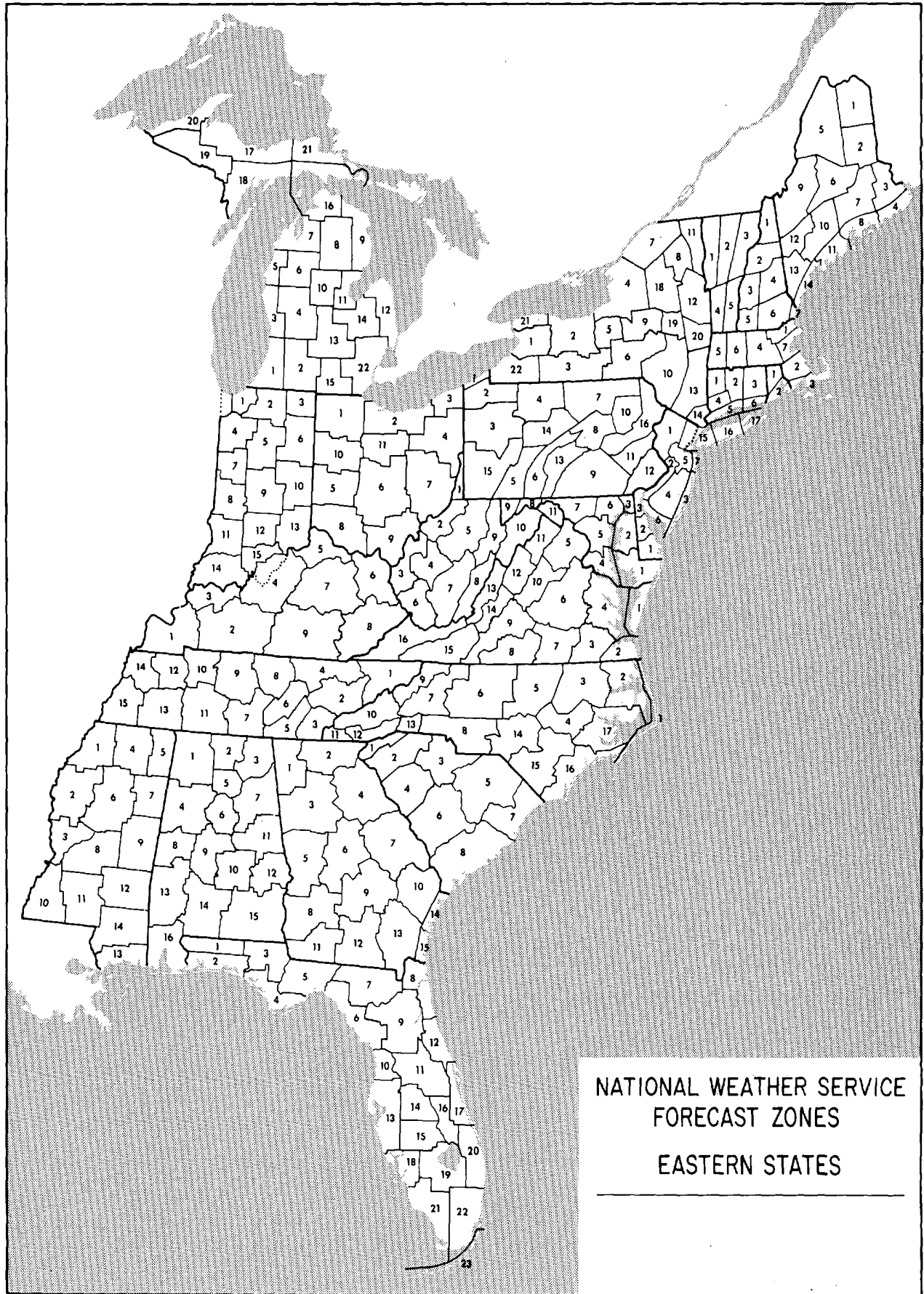
1959-1986

1986

STATE	RANK	OPEN FIELDS, BALL PARKS, AND OPEN SPACES		UNDER TREES		BOATING, FISHING AND WATER RELATED		NEAR TRACTORS HEAVY ROAD EQUIPMENT		GOLF COURSES		AT TELEPHONES		VARIOUS OTHER AND UNKNOWN LOCATIONS		OPEN FIELDS, BALL PARKS, AND OPEN SPACES		UNDER TREES		BOATING, FISHING AND WATER RELATED		NEAR TRACTORS HEAVY ROAD EQUIPMENT		GOLF COURSES		AT TELEPHONES		VARIOUS OTHER AND UNKNOWN LOCATIONS		
		NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	
ALABAMA	21	43	31	22	16	1	1	1	1	1	1	8	6	61	44	2	66											1	34	
ALASKA	51																													
ARIZONA	32	42	57	5	7	2	3	5	7	1	1			18	25	2	100													
ARKANSAS	15	37	23	23	14	8	5	7	4	4	2	9	6	74	46	6	75									2	25			
CALIFORNIA	42	10	32	1	3	3	10							17	55	1	14									6	86			
COLORADO	16	65	41	10	6	10	6	6	4	15	10	2	1	51	32	5	100													
CONNECTICUT	36	4	8	21	40	1	2					2	4	24	46															
DELAWARE	44	8	40	7	35							1	5	4	20															
DISTRICT OF COLUMBIA	48	1	14	3	44			1	14	1	14			1	14															
FLORIDA	1	257	35	80	11	101	14	23	3	27	4	18	2	230	31	18	48	13	35	4	11			1	3					
GEORGIA	10	82	39	18	9	13	6	3	1	20	9	2	1	75	35															
HAWAII	52																													
IDAHO	33	9	15	7	12	2	3	2	3	2	3	4	7	35	57											1	100			
ILLINOIS	20	41	29	40	28	2	1	4	3	13	9	5	4	38	27	5	100													
INDIANA	23	12	11	23	22	12	11	3	3	8	8	3	3	44	42															
IOWA	19	23	16	20	14	1	1	1	1	2	1	1	1	96	66															
KANSAS	18	15	10	14	9	2	1	7	5	10	7	4	3	97	65															
KENTUCKY	17	49	31	18	12	2	1	3	2	10	6	5	3	72	45	3	38	2	50			2	50							
LOUISIANA	12	92	50	30	16	18	10	4	2			2	1	39	21															
MAINE	28	2	2	31	37	3	4			1	1	1	1	46	55	2	67													
MARYLAND	26	28	29	16	17	13	14	4	4	5	5	1	1	29	30									2	67					
MASSACHUSETTS	7	52	19	11	4	9	3	5	2	2	1	5	2	193	69	5	83	1	17											
MICHIGAN	2	195	38	94	18	15	3	13	3	30	6	16	3	146	29	6	21	4	14	2	7			6	21	1	3	10	34	
MINNESOTA	29	12	14	14	17	5	6	1	1	8	10	11	13	32	39	2	25	2	25	2	25				2	25				
MISSISSIPPI	13	66	36	35	19	25	14	2	1	4	2	8	5	42	23	4	50							3	37					
MISSOURI	31	23	31	14	19	1	1	1	1	1	1	3	5	31	42															
MONTANA	41	12	38	5	16	1	3	1	3	3	9			10	31															
NEBRASKA	35	20	37	1	2			5	9	5	9	5	9	18	34	1	20					2	40							
NEVADA	50													2	100															
NEW HAMPSHIRE	34	9	16	1	2					4	7			41	75	4	100													
NEW JERSEY	24	48	48			8	8	1	1	5	5	2	2	37	36															
NEW MEXICO	27	48	51	17	18	2	2	3	3	3	3	1	1	21	22	6	100													
NEW YORK	6	30	10	70	23	20	6	20	6	6	2	7	2	159	51	2	10									1	5	10	50	
NORTH CAROLINA	4	123	33	30	8	21	6	9	2	18	5	6	2	166	44	3	22	7	50	1	5				1	7				
NORTH DAKOTA	47	5	46	1	9	1	9	2	18			1	9	1	9															
OHIO	5	79	24	70	21	9	3	3	1	24	7	10	3	136	41	3	43	1	14	2	29				1	14				
OKLAHOMA	11	70	36	12	6	8	4	10	5	5	3	16	8	72	38															
OREGON	45	5	31			1	6					1	6	9	57															
PENNSYLVANIA	3	118	30	19	5	4	1	2	1	9	2	3	1	229	60	6	60			1	10									
PUERTO RICO	49	1	20											4	80															
RHODE ISLAND	40	9	24	12	32					2	5			15	39	5	50													
SOUTH CAROLINA	14	53	31	7	4	10	6	7	4	2	1	4	2	90	52	7	100													
SOUTH DAKOTA	39	6	13	5	11	2	4	9	20			1	2	23	50	1	25									1	25	2	50	
TENNESSEE	8	79	31	79	31	3	1	5	2	7	3	9	4	72	28	12	70	2	13											
TEXAS	9	98	42	31	13	29	12	4	2	3	1	2	1	66	29	4	66							1	17					
UTAH	38	20	38	9	17	2	4	1	2	4	8	2	4	14	27	2	100													
VERMONT	46	4	27	1	7									10	66															
VIRGINIA	25	13	13	34	34	1	1	1	1	7	7	2	2	43	42															
WASHINGTON	43	1	5	4	19							2	10	14	66															
WEST VIRGINIA	37	14	27	9	17	3	6	1	2	2	4			23	44															
WISCONSIN	22	42	35	7	6	3	2	1	1	6	5	4	3	59	48	1	50													
WYOMING	30	39	48	3	4	13	16	8	10	4	5			14	17	1	100													
UNITED STATES		2114	30	984	14	387	6	190	3	284	4	189	3	2843	40	119	44	50	18	15	6	4	2	17	6	8	3	58	21	







NATIONAL WEATHER SERVICE  
FORECAST ZONES  
EASTERN STATES

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Association of State Floodplain Managers, Inc.  
Presents

# FLOODPLAIN

Note the Past  
Tune the Future!

NASHVILLE  
1988



12th ANNUAL CONFERENCE  
MAY 16-19, 1988

VANDERBILT PLAZA HOTEL  
NASHVILLE, TENNESSEE  
Hosted by the Tennessee Valley Authority

# HARMONY

## Conference Director

Leslie A. Bond  
Suite 1  
221 East Camelback Road  
Phoenix, AZ 85012  
(602) 831-0192

The Association of State Floodplain Managers (ASFPM) is a national organization, and its goal is the reduction of flood hazards through sound floodplain management. Its members include representatives of local, State, and Federal government as well as those of the private and nonprofit communities. The Association sponsors an annual conference on the state-of-the-art in flood hazard reduction. Conference topics always span a broad spectrum of issues of interest to those involved in floodplain management.

## Program Chair

William L. Trakimas  
Division of Water  
2475 Directors Row  
Indianapolis, IN 46241  
(317) 232-4178

The Federal Interagency Floodplain Management Task Force has commissioned a study of the status and effectiveness of the Nation's floodplain management activity to fulfill recommendations set forth in the document "A Unified National Program for Floodplain Management." Special emphasis is to be placed on the floodplain management tools contained in this document. A status report is now being prepared. The Task Force has requested the assistance of the ASFPM in the second part of the study—an evaluation of the effectiveness of floodplain management measures—and the ASFPM has agreed to devote a portion of its 1988 conference to this effort.

The following specific topics are presented to enhance the discussion and evaluation of the effectiveness of floodplain management efforts during the Association's 1988 conference.

- Efforts in analysis and management of special problem areas, e.g., alluvial fans, shifting streambeds, etc.
- Multiobjectives planning processes for the management of floodplains
- Effectiveness of floodplain management tools, whether individually or in tandem
- How the full range of benefits from nonstructural measures can be better identified and quantified
- How nonstructural measures can be made more attractive to local governments
- Examples of wise or beneficial uses of the floodplain
- Solving specific floodplain management problems through a combination of selective tools and strategies
- How we can increase the public official and individual decisionmaker's awareness of flood hazard areas and the understanding of flood risk

## Exhibits Chair

Sue Josheff  
Natural Resources  
Post Office Box 7921  
Madison, WI 53707  
(608) 266-2709

## About the Conference

The technical conference will run Tuesday through Thursday, including a field trip in the Nashville area. The conference will revolve around the idea of floodplain partners working in harmony as we evaluate the status of the Nation's floodplain management activity. Attendees will be encouraged to share their views as we try to "tune the future" in floodplain management. The ASFPM will conduct its committee and general membership meetings on Monday. All members and prospective members are invited and encouraged to participate. Wednesday afternoon is set aside for an interesting field trip culminating in a "catfish fry" that evening. Optional field trips and spouse activities are also being planned.

The conference will be staged at the beautiful **Vanderbilt Plaza Hotel** located on the west side of Nashville, across from Vanderbilt University. Conference room rates are \$65 single and \$79 double. Printers Alley, Music Row, Centennial Park, and Vanderbilt University are within easy walking distance of the hotel.

## Registration Rates

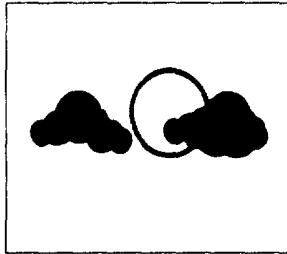
Registration prior to April 2, 1988, will be \$150 for members, \$165 for nonmembers, and \$65 for students and local government officials from the State of Tennessee.

## Exhibit Space

Exhibit space will be made available for a fee to individuals or organizations who wish to display a product or service to attendees. Information on exhibit space can be acquired from Sue Josheff, Exhibits Chair.

## About Nashville

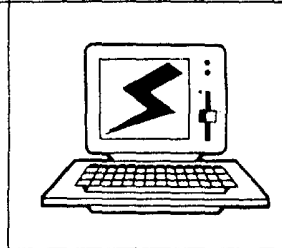
There is no better place to promote "floodplain harmony" than in Music City, USA. Located in the heart of Tennessee along the Cumberland River, Nashville's heart beats to music! May in Nashville provides visitors with pleasant temperatures, and the air is filled with the sounds of country. Within a short distance of the hotel is Opryland USA and the Grand Ole Opry—attractions you do not want to miss. Music brings you to Nashville, but it's the warmth and friendliness of the people you remember. Nashville loves company, come and see in 1988!



COMPUTATIONAL  
HYDROLOGY  
INSTITUTE

**CHI**

18021-J Sky Park Blvd., Suite 524  
Irvine, CA 92714



## COMPUTATIONAL HYDROLOGY 88

*Second International Symposium on Computational Methods  
In Flood Control Hydrology & Hydraulics, Surface &  
Subsurface Hydrology, and Water Resources Engineering*

San Diego, California  
July 10 - 13, 1988

Chief among the concerns of environmental impacts are the effects of storm runoff on existing and urbanized watersheds. Such concerns as stormwater management, surface runoff pollution, and methods for hydraulic and hydrologic modeling are only a few of the many problems faced by today's private engineering concerns and public agencies. This international conference, COMPUTATIONAL HYDROLOGY 88, aims at providing a forum for presenting the latest innovative and applied computational methods in flood control hydrology and hydraulics, surface and subsurface hydrology, and water resources engineering.

### Objectives

The major objective of COMPUTATIONAL HYDROLOGY 88 is the creation of a proper forum of discussion among managers, scientists, and engineers involved in the creation, development of application of computer software to hydrologic problems. COMPUTATIONAL HYDROLOGY 88 will present the most recent developments and practical implementations in the theoretical, numerical and applicable aspects of computer analysis, simulation modeling, control and forecasting for hydrologic applications. The conference aims at the establishment of a useful connection between originators of hydrologic software programs and their possible users, thus reducing the present large duplication of effort in software development.

### Conference Chairmen

**T.V. Hromadka, Ph.D., Ph.D., P.E.**  
California State University, Fullerton  
Department of Mathematics  
Fullerton, CA 92634

**J.J. DeVries, Ph.D., P.E.**  
Associate Director,  
Water Resources Center  
University of California, Davis

**R.H. McCuen, Ph.D., P.E.**  
University of Maryland  
Department of Civil Engineering  
College Park, MD 20742

**H.H. Chang, Ph.D., P.E.**  
Department of Civil Engineering  
San Diego State University, CA



ASSOCIATION OF STATE

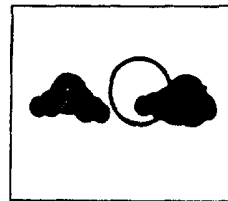
FLOODPLAIN MANAGERS, INC.

TWELFTH ANNUAL CONFERENCE

Hosted by the  
Tennessee Valley Authority

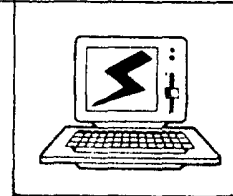
VANDERBILT PLAZA HOTEL  
NASHVILLE, TENNESSEE

MAY 16-19, 1988



COMPUTATIONAL  
HYDROLOGY  
INSTITUTE

**CHI**



**COMPUTATIONAL HYDROLOGY 88**

*Second International Symposium on Computational Methods  
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Subsurface Hydrology, and Water Resources Engineering*

SAN DIEGO, CALIFORNIA

JULY 10-13, 1988

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\* FURTHER INFORMATION INSIDE \*  
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