

AUGUST 1985

VOLUME 27

NUMBER 8

STORM DATA



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

Kenneth D. Walden

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

noaa

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE,
DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, N.C.

C O N T E N T S

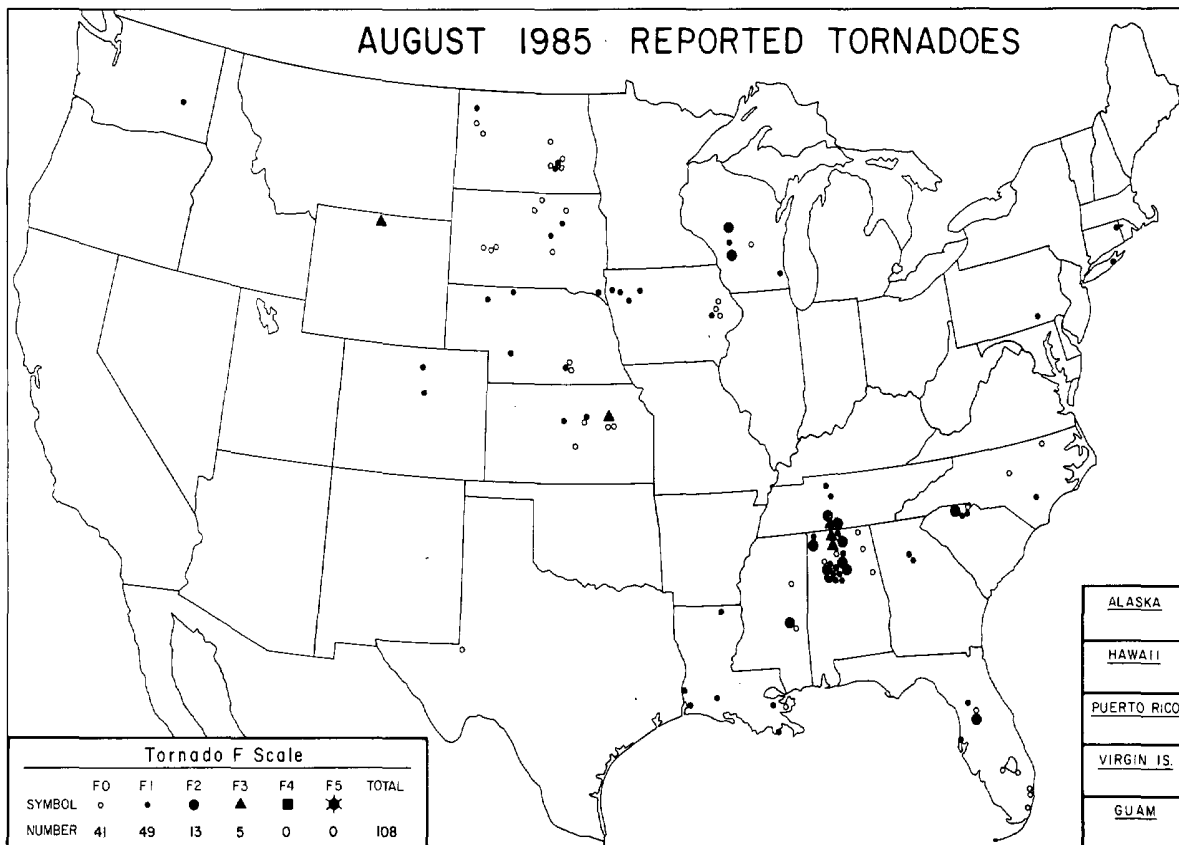
	<u>Page</u>
Outstanding Storms of the Month.....	3
Storm Data and Unusual Weather Phenomena.....	15
Storm Summary.....	43
Reference Notes.....	44
"F" Scale Definitions.....	44

Cover: A lone and badly battered survivor stands amidst fellow sunflowers that were flattened by hail, southeast of Logan, Kansas on August 13th (see HAILSTORM near LOGAN, KANSAS, pages 10 and 11). ---Photo by Charlie Riedel, Hays Daily News.

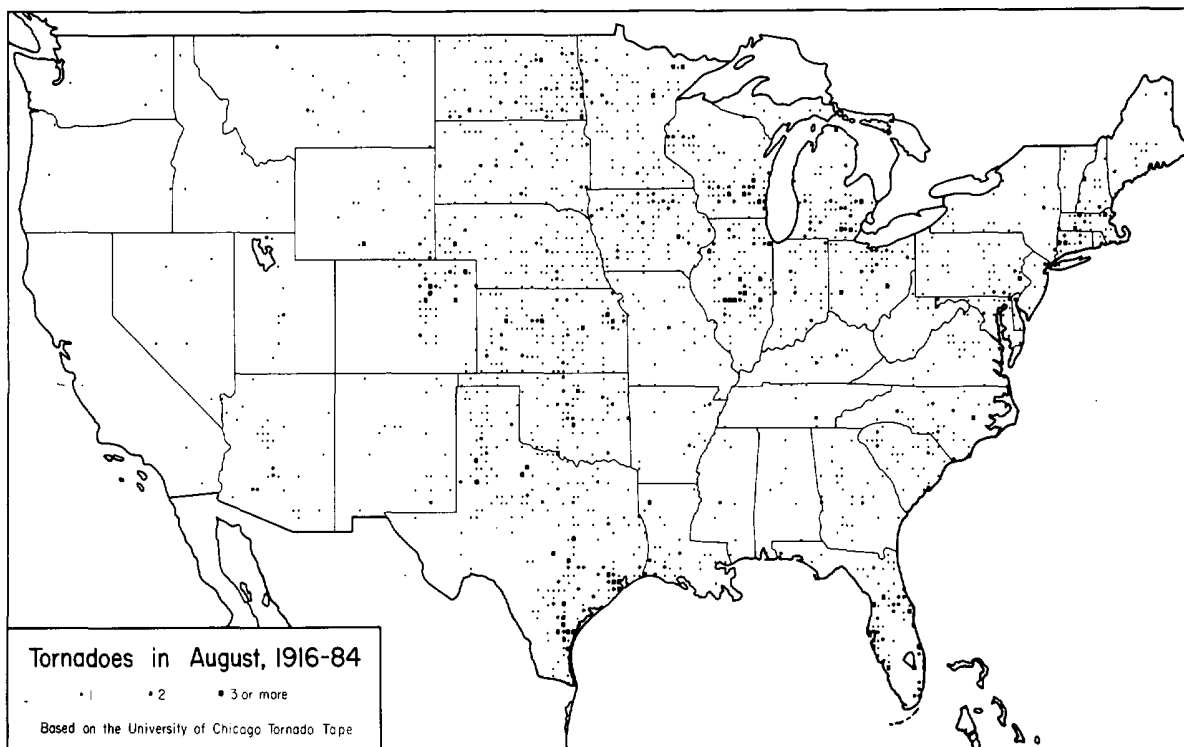
NOTE: The section on Outstanding Storms of the Month is prepared by Professor T. Theodore Fujita, editor, and Duane J. Stiegler, associate editor, University of Chicago. The narrative descriptions of Storms by State and Summaries of Hurricanes and Tropical Storms are prepared by the National Weather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

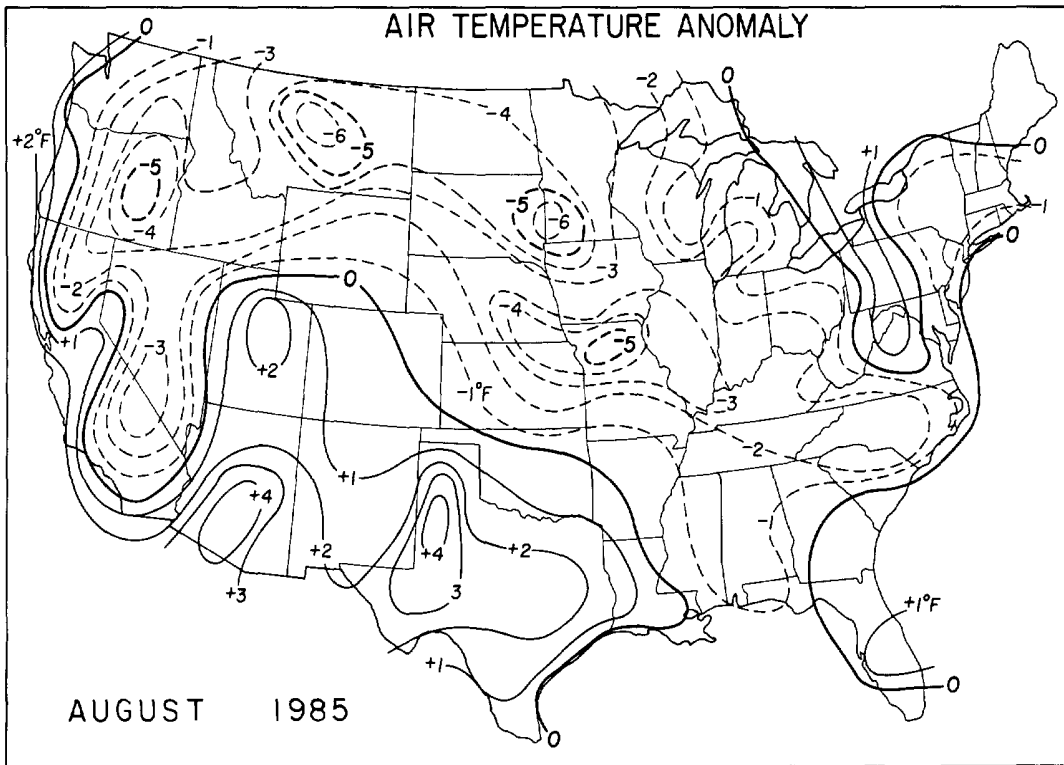
STORM DATA - (ISSN 0039-1972) is published monthly. Subscription, pricing, and ordering information is available from:
National Climatic Data Center, National Environmental Satellite, Data, and Information Service, NOAA, Federal Building, Asheville, NC 28801-2696.

OUTSTANDING STORMS OF THE MONTH



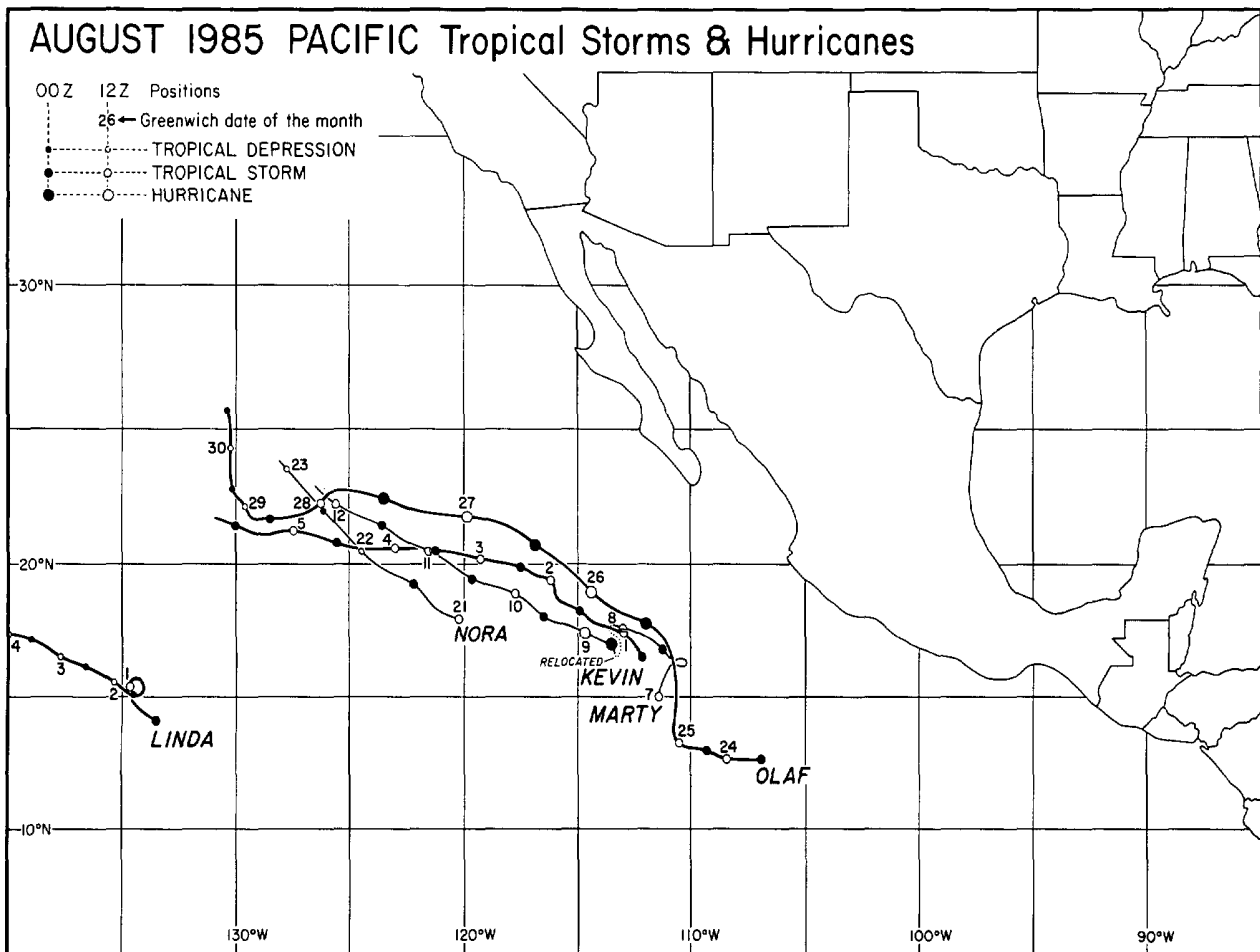
<ul style="list-style-type: none"> ● COMPLETE REPORT RECEIVED ◐ PRELIMINARY REPORT RECEIVED ○ REPORT NOT RECEIVED <p>(N) northern (W) western (S) southern (C) central (E) eastern (O) coastal (SE) southeastern</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td>● 1AL</td><td>● 7DE</td>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





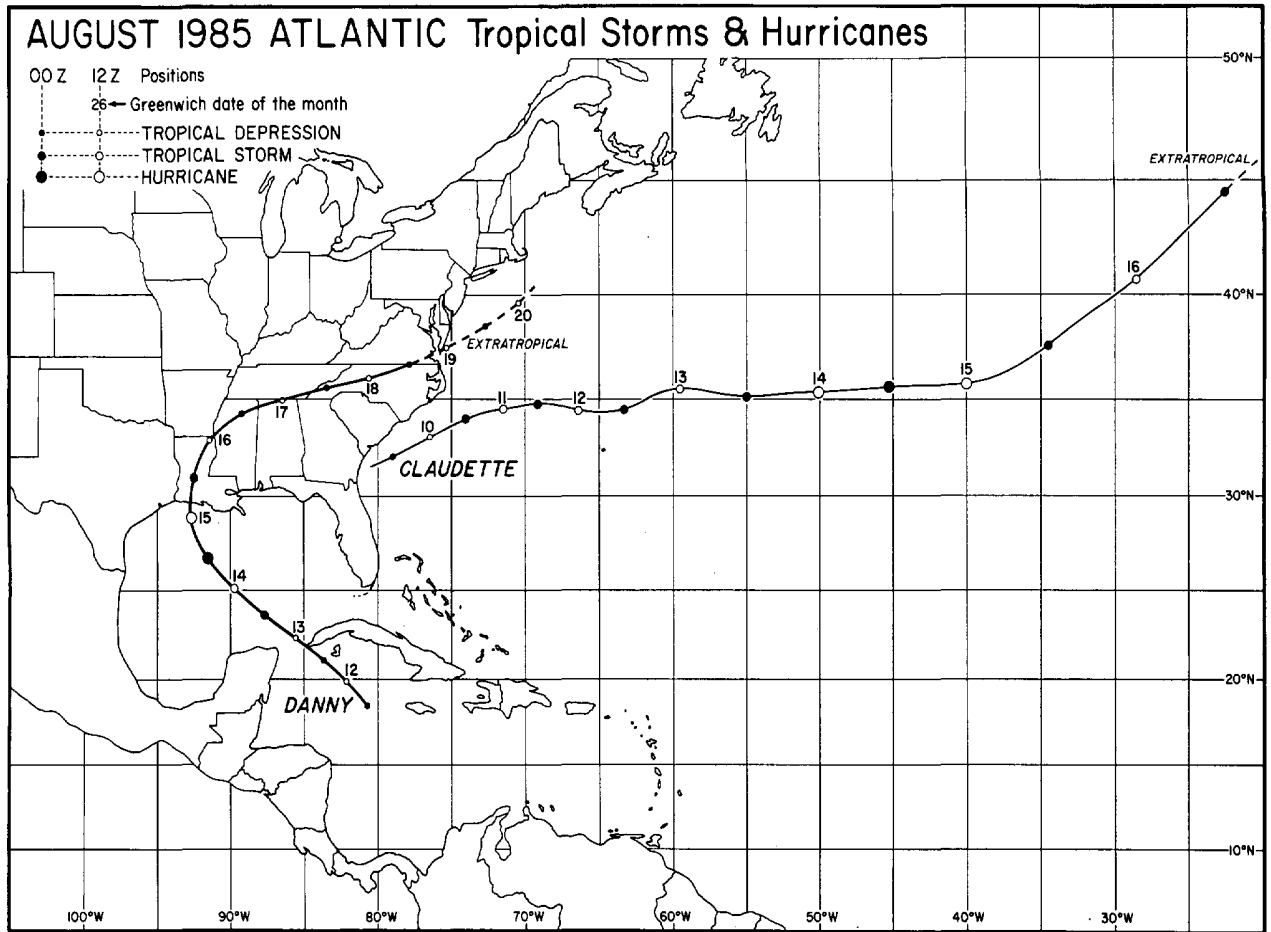
---Data base from NOAA/USDA Joint Agricultural Weather Facility.

TROPICAL STORMS AND HURRICANES

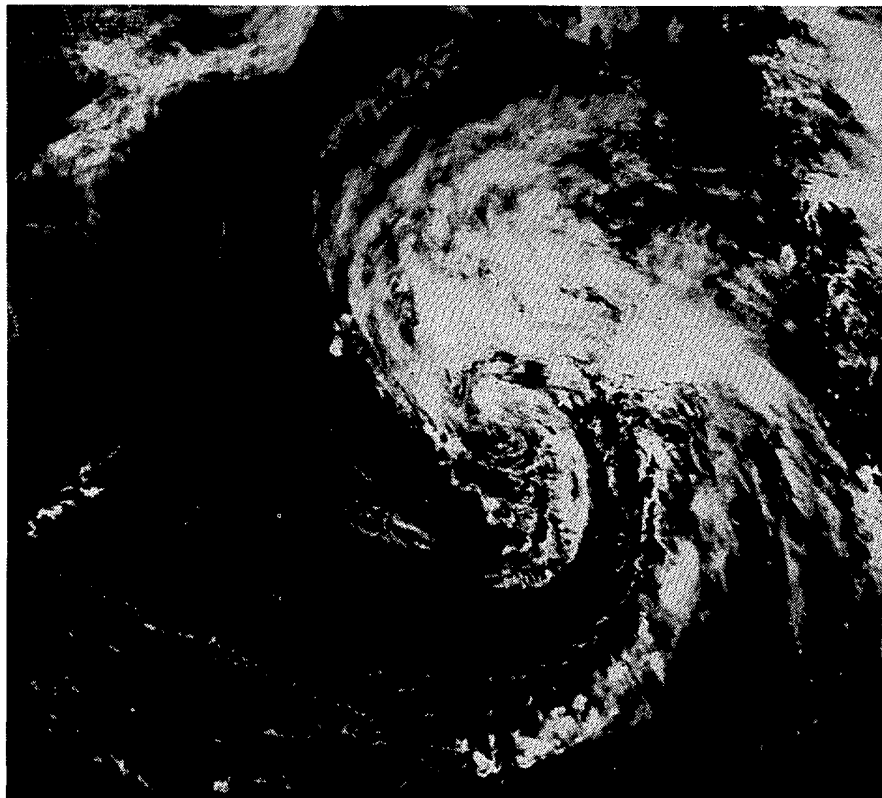


---Best track data from NWSFO, San Francisco, California.

TROPICAL STORMS and HURRICANES ---- continued



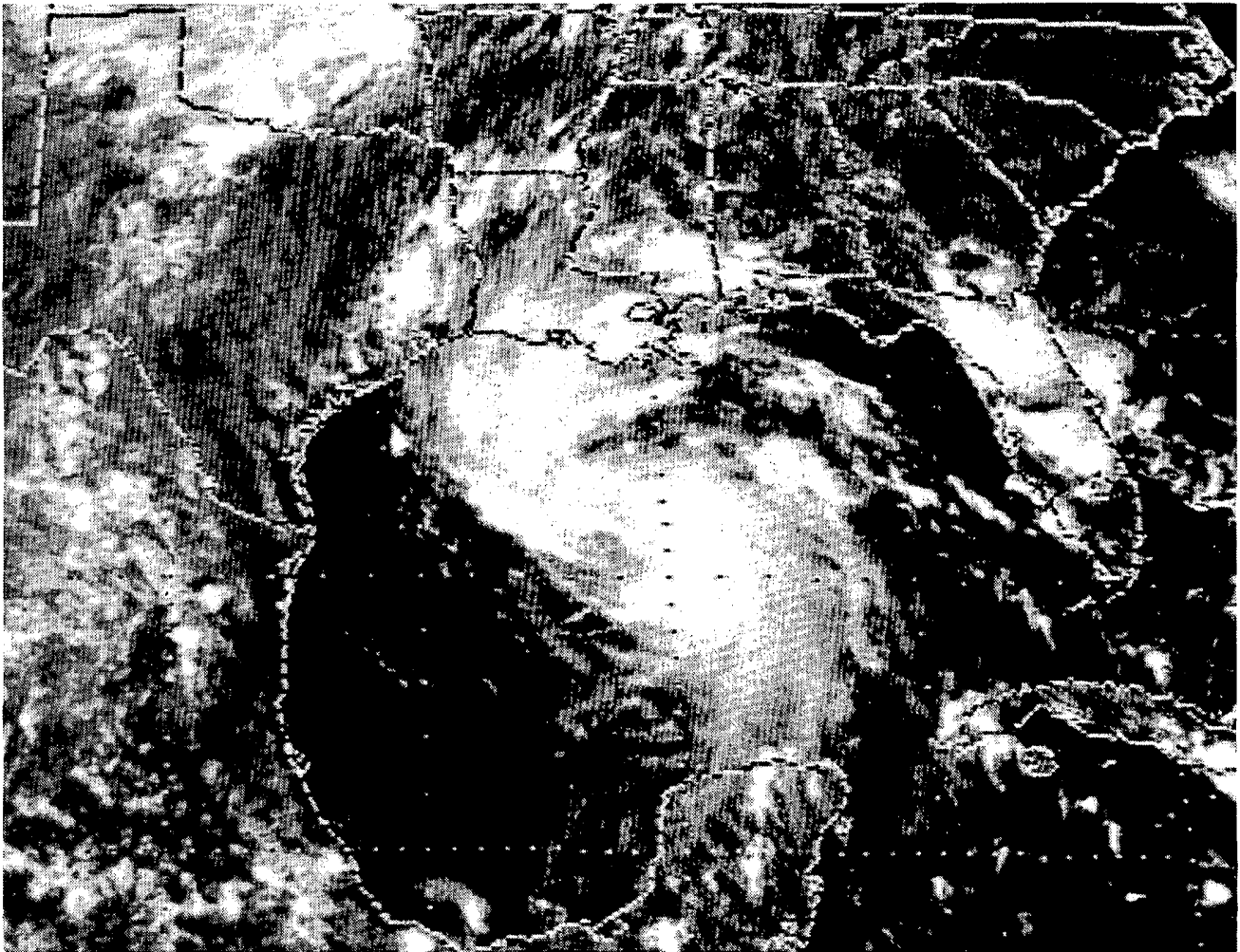
---Best track data from the National Hurricane Center, Miami, Florida.



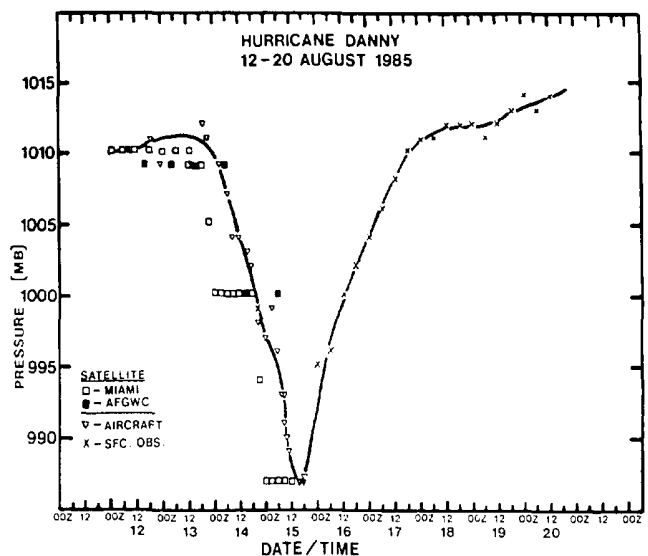
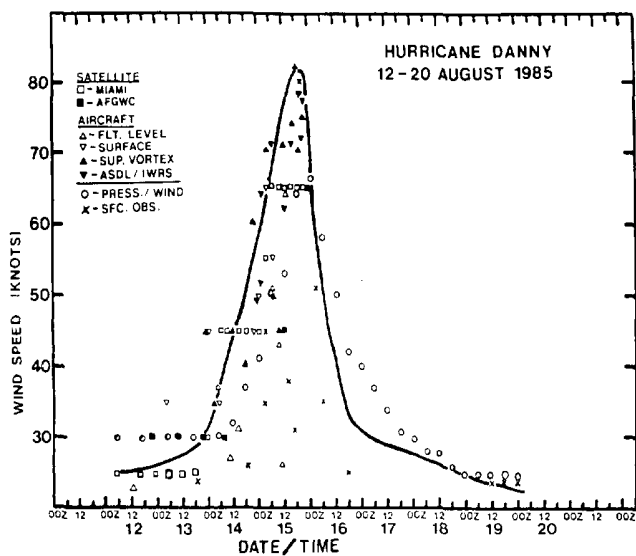
A GOES 6 satellite, visible image of Hurricane CLAUDETTE in tropical storm stage at 1631GMT on August 12th. The storm organized just offshore of the Carolinas and moved eastward into the central North Atlantic. ---Photo from NHC.

1. HURRICANE DANNY, August 12-20, 1985

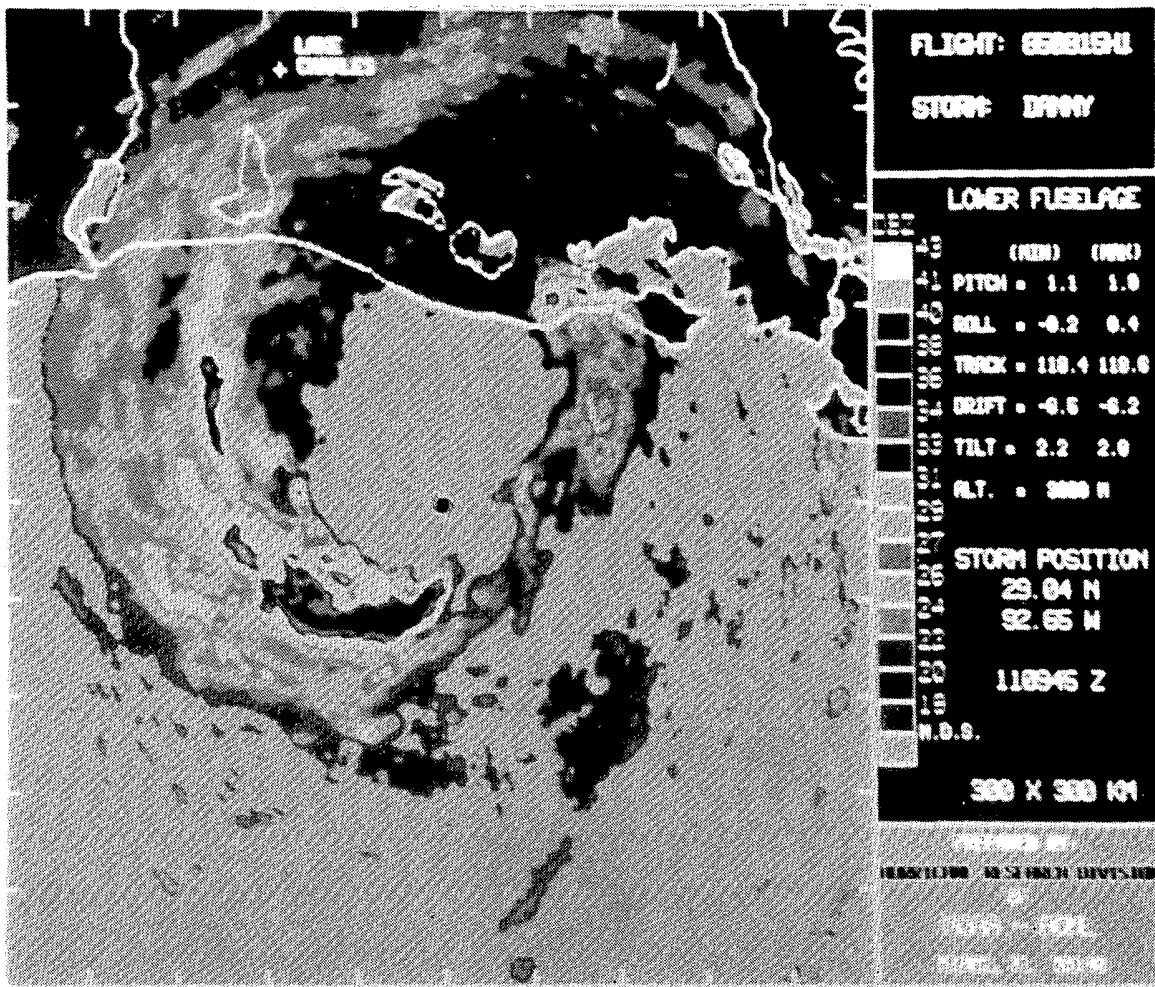
Hurricane DANNY, the second of several hurricanes that would strike the U.S. Coast during 1985, made landfall over a sparsely populated section of the Louisiana Coast on August 15th. Since DANNY'S wind damage was minimal, its primary effects were in the form of flooding from localized heavy rains and high tides. The tides ranged up to 8 feet above normal near and to the right of where the storm's center moved ashore.



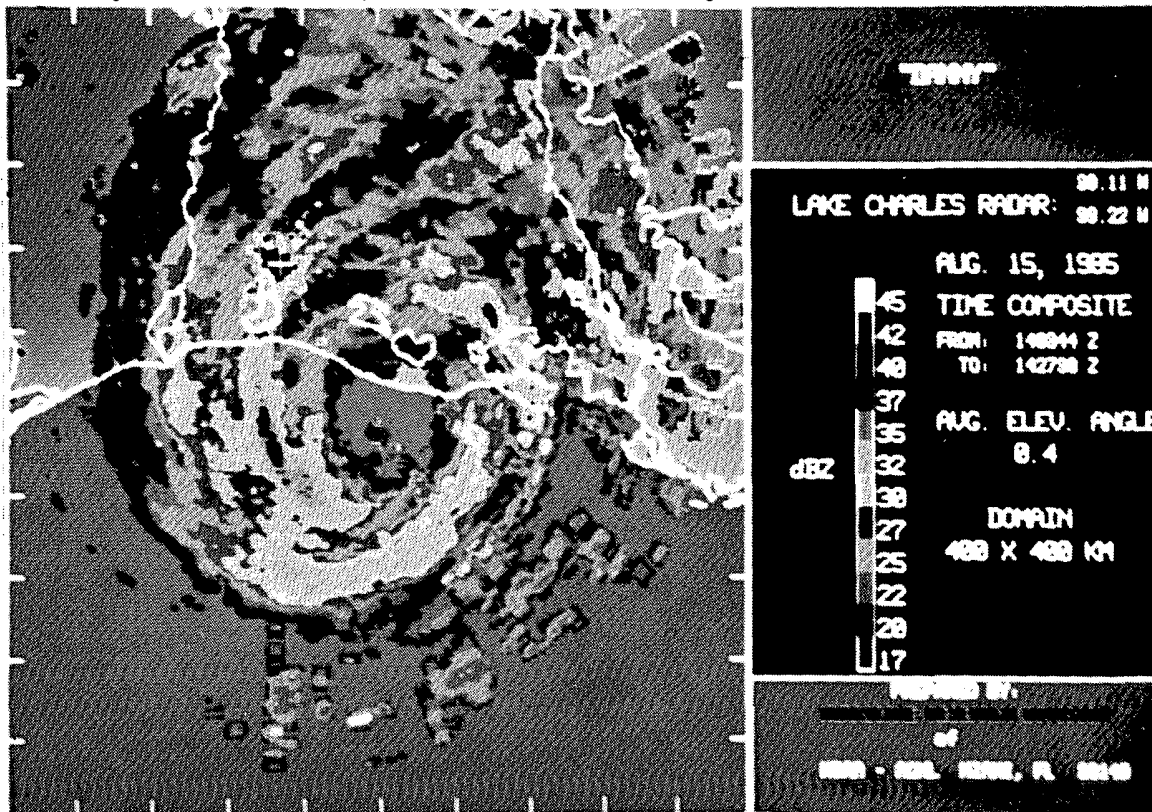
A GOES 6 satellite, visible image of DANNY over the Gulf of Mexico at 1931GMT on August 14th. ---Photo from NHC.



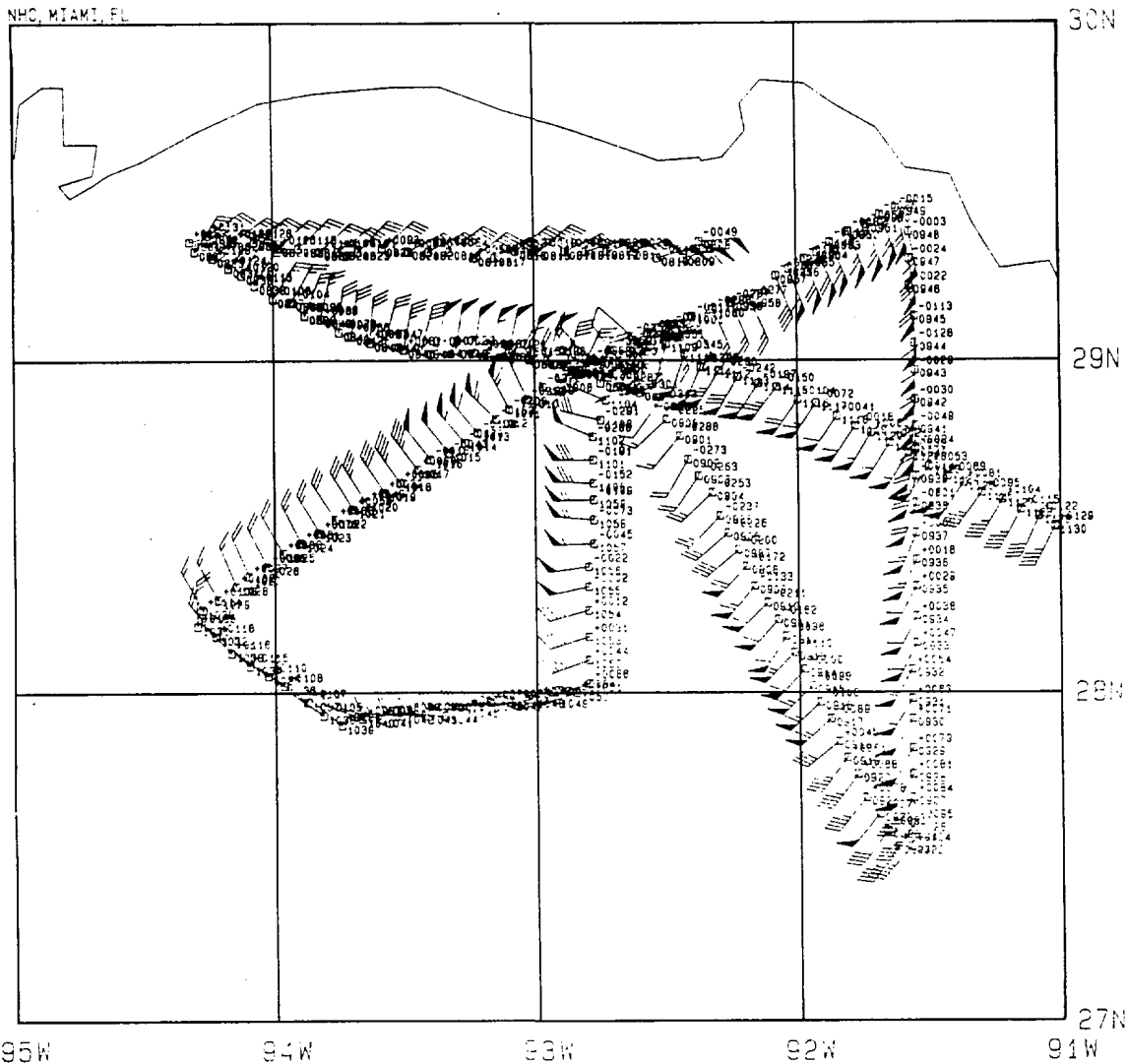
Plots of estimated maximum winds (left) and minimum surface pressure (right) vs. time for Hurricane DANNY. ---Figures from NHC.



DANNY was monitored by AOML/Hurricane Research Division scientists using airborne radar on NOAA/OAO WP-3D aircraft (above) and land-based radar at the Lake Charles, Louisiana NWSFO (below). The data shown was collected at 1109 GMT, August 15th (above) and 1409-1427GMT, August 15th (below). --Data from AOML.



HURRICANE DANNY ---- continued



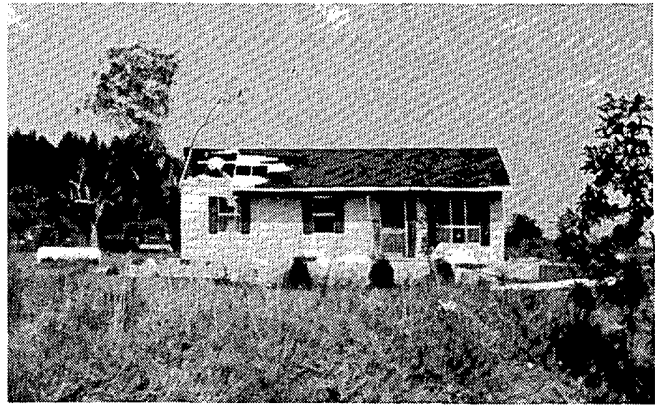
Plot of NOAA/OAO reconnaissance aircraft, ASDL (Aircraft-Satellite Data Link) data collected at 0808-1130GMT on August 15th, showing Danny's windfield just prior to landfall. Winds are in knots, each bar equal to 10. --Figure from NHC.

The table at right lists, by state and F scale, 39 tornadoes associated with Hurricane DANNY and its remnants as the storm system moved through the southeastern U.S.

Below and at the top of the following page are examples of homes that incurred damage from a 45 mile-long, F3 tornado that struck Morgan and Limestone Counties in Alabama on August 16th. ---Photos by Brian Smith, U of C.

	F0	F1	F2	F3	Total
ALABAMA	4	9	6	2	21
GEORGIA		2			2
LOUISIANA	1	2			3
MISSISSIPPI	1		1		2
NORTH CAROLINA	2	1			3
SOUTH CAROLINA	1	2	1		4
TENNESSEE		1	2	1	4
Total	9	17	10	3	39

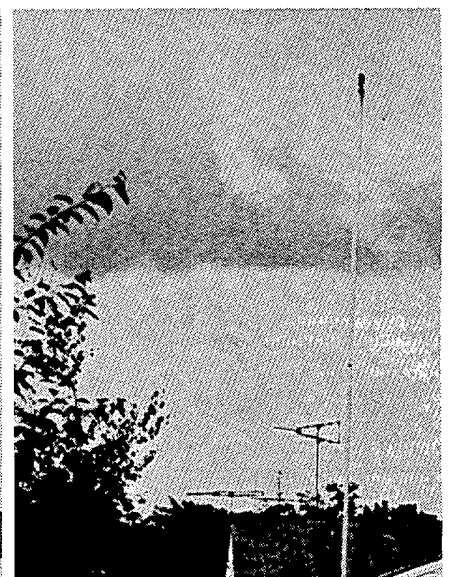




2. FUNNEL CLOUD at ANN ARBOR, MICHIGAN on August 21, 1985

Clint Driver of Ann Arbor, Michigan captured this cold air funnel over the city in photos taken in rapid sequence between 1335 and 1340EST on August 21st. The view is looking slightly west of due south from the 3600 block of Golfside Avenue. Before he could ready the camera for another shot, the funnel had completely dissipated.

The funnel was the north-westernmost of several sighted in southeast Michigan that day. The funnels occurred under a layer of stratocumulus with 9/10 coverage, and there were no radar echoes. The airmass was cold, unstable, and under anticyclonic circulation. ---Photos supplied by C. R. Snider, NWSFO Ann Arbor, Michigan.



3. HAILSTORM near LOGAN, KANSAS on August 13, 1985

In the early evening of August 13th, a severe thunderstorm brought golfball-sized and larger hail with winds in excess of 70 mph to an area just east of Logan, Kansas. The hail pummeled crops and other vegetation into oblivion, especially in a 7 mile long and 4 mile wide strip extending east-northeast from Logan. Road graders were needed to clear hail drifts that were up to 3 feet deep along Kansas Highway 9, east of Logan.



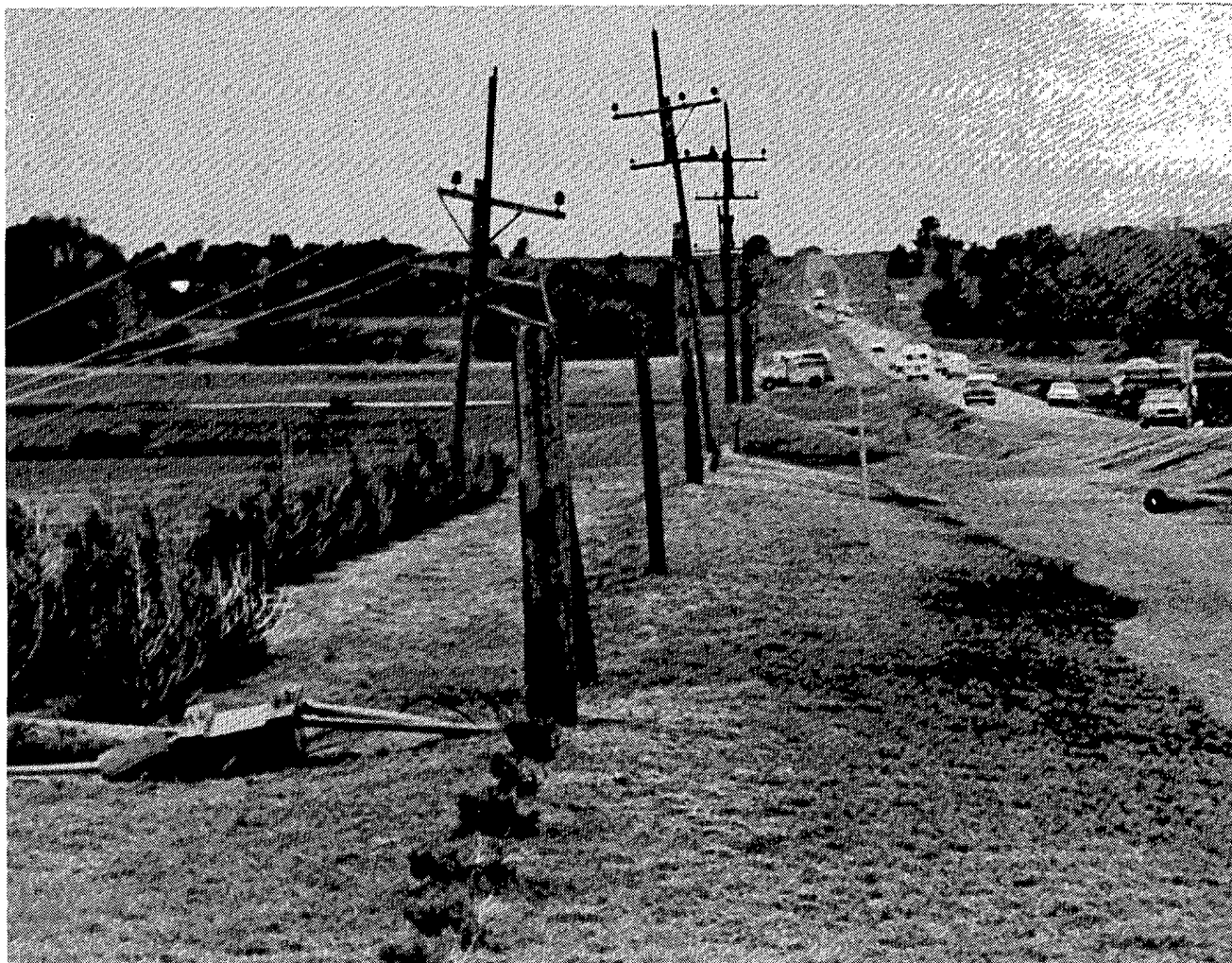
LEFT: A tree that was stripped on one side by the combination of hail and high winds. RIGHT: Milo that was reduced to stubble by the hail.



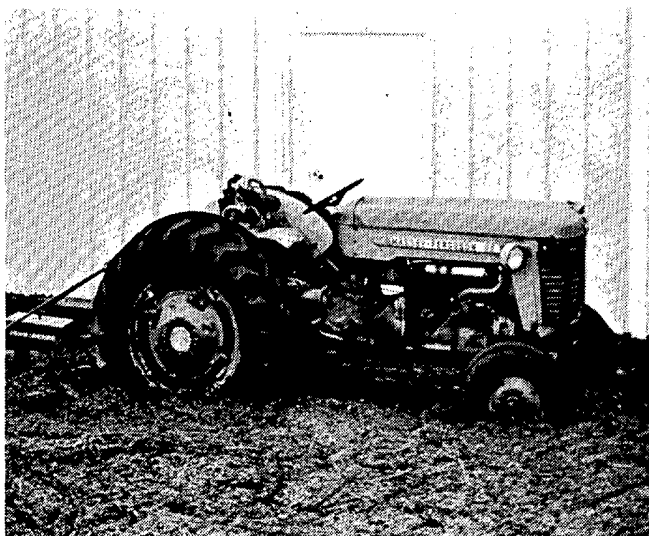
LEFT: A tree that was stripped bare is surrounded by a mixture of pulverized hay, grass and topsoil; and accumulated hail. ABOVE: A close-up view of the accumulated hail shown at left.

---All photos on this page are from the Phillips County Review, Phillipsburg, Kansas.

HAILSTORM near LOGAN, KANSAS ---- continued



High winds with the hail snapped these power poles just east of Logan, shown here with stripped trees at the left and accumulated hail in the ditch along the road at the right.



Hail, mixed with the debris it created, remains piled up around a tractor on the morning following the storm.



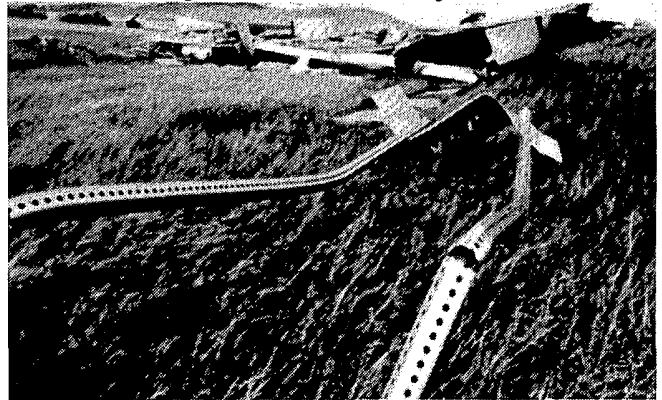
Hail piled into drifts like snow along the side of a road east of Logan, also on the morning following the storm.

---All photos on this page are by Dave Bergmeier, Norton Daily Telegram.

---All materials supplied by Steve Schurr, NWSFO Topeka, Kansas.

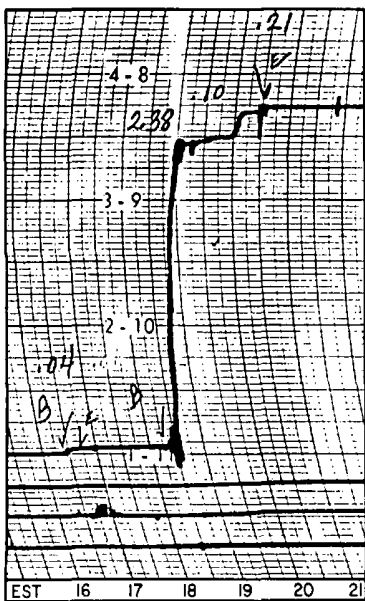
4. DOWNBURST WINDS at AKASKA, SOUTH DAKOTA on August 22, 1985

Intense thunderstorms with downburst winds of up to 70 mph moved through Akaska, South Dakota at 0500MST on August 22nd, producing considerable crop and property damage in Akaska, as well as much of the northern part of the state. Additional damage occurred in the same area when more storms moved through in the evening.



Mobile home destruction caused by downbursts at Akaska. ---Photos from the Mobridge Tribune; supplied by Mike Weiland, NWSFO at Sioux Falls, South Dakota.

5. RECORD RAINFALL at WINDSOR LOCKS, CONNECTICUT on August 11, 1985



Thunderstorms moving through Connecticut on the evening of August 11th produced torrential rains that set a new, 45 minute record of 2.38 inches at Bradley International Airport. A total of 2.73 inches of rain fell at the airport, while up to 3.5 inches were reported within the Greater Hartford area.

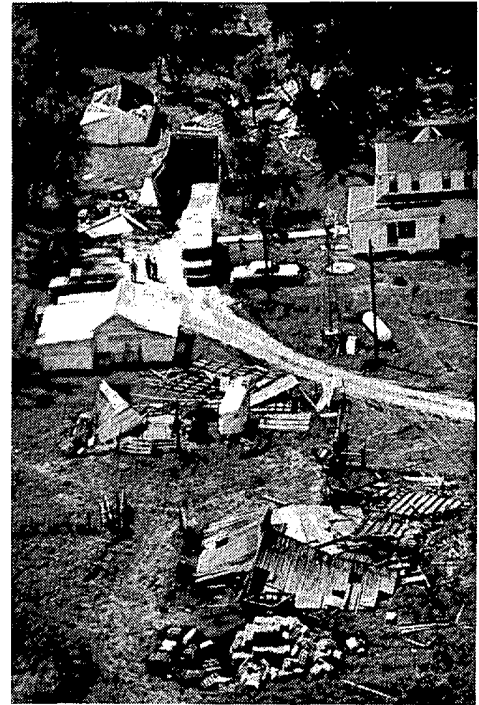
Recording rain gauge trace from the WSO at Bradley International Airport. ---Trace supplied by the Blue Hill Meteorological Observatory, Milton, Massachusetts.

6. DOWNBURST at EMPORIA, KANSAS on August 17, 1985

A thunderstorm with 80 mph downburst winds struck the Thunderbird Estates Mobile Home Park (pictured below) near Emporia, Kansas at 1830 CST on August 17th. 13 mobile homes were destroyed; 30 were damaged. 1 person died and 5 were injured.



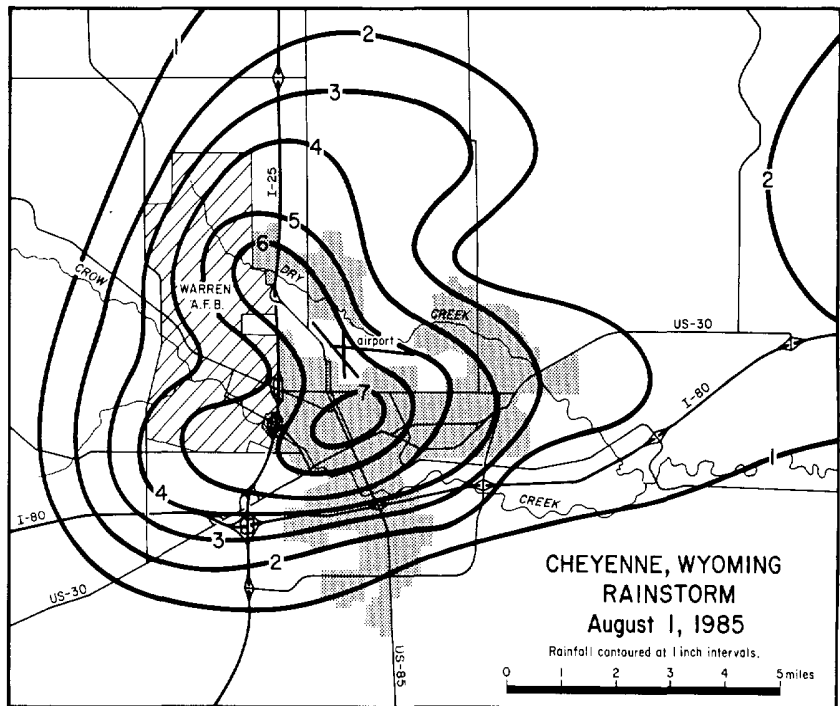
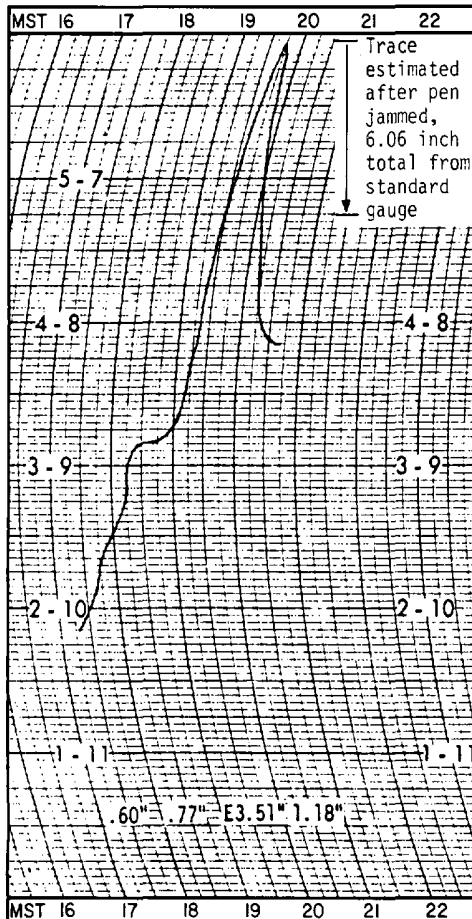
DOWNBURST at EMPORIA, KANSAS ---- continued



Remains of the mobile home where one man was fatally injured. He died a few hours after the storm.
 RIGHT: A wind-damaged farmstead south of the Emporia Airport. ---All photos by Jeff Davis, The Emporia Gazette; supplied by the NWSFO at Topeka, Kansas.

7. RAIN and HAIL STORM at CHEYENNE, WYOMING on August 1, 1985

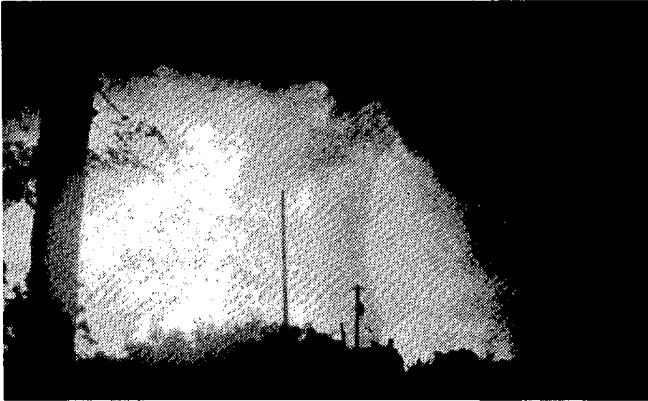
On the evening of August 1st, a nearly stationary thunderstorm dropped heavy rain and copius amounts of hail over Cheyenne, Wyoming, producing the most damaging flash flood on record for the area. Up to 7 inches of rain fell over the city, while the NWSFO at the airport recorded 6.06 inches in just over 3 hours. The worst flooding was along Dry Creek where 10 of 12 deaths occurred as people were swept away in cars.



ABOVE: Map showing the storm-total rainfall distribution over Cheyenne. LEFT: Recording raingauge chart showing the rainfall's time variation at the NWSFO (airport), including a 1 hour total (1900-2000MST) of 3.5 inches. ---Map and chart provided by the NWSFO at Cheyenne, WY.

8. TORNADO at ALTA VISTA, KANSAS on August 17, 1985

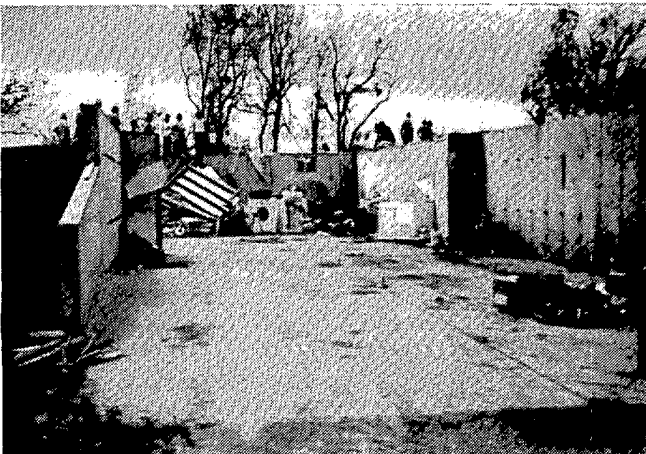
In the late afternoon of August 17th, a short (2 mile) but strong (F3) tornado struck and destroyed a farmstead 6 miles southeast of Alta Vista, Kansas. 4 members of a family rode out the storm in the northwest corner of the destroyed home's basement, and survived with only scratches and bruises. A pickup truck was sucked into the basement, almost hitting them. ---All photos supplied by the NWSFO at Topeka, KS.



The tornado near Alta Vista as it was seen from a point 2 miles to its south at about 1725CST. ---Photos by J. L. Givens of rural Council Grove, Kansas.



COUNTERCLOCKWISE FROM ABOVE: The northwest corner of the destroyed home at the Charles Sommer Farm; Amy Sommer points to where she, her father and two brothers were crouched; the basement viewed from the open east end; and a destroyed dairy facility on the farm. ---Top photo by J. L. Givens; all others courtesy of the Council Grove Republican.



STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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

ALABAMA

Smith Lake, SW Cullman County	01 1500CST	Thunderstorm winds downed some trees and tore some boats from their moorings. Falling trees also damaged some vehicles.	0	0	4	0	0	0	Thunderstorm/Wind
Good Hope, Cullman County	01 1619CST	A tornado touched down briefly in an open field. There was no reported damage to any structures.	1	30	0	0	1	0	Tornado (F0)
NW Jefferson County	01 1622CST	Thunderstorm winds uprooted trees in the Partridge Cross Roads area about 17 mi. NW of Birmingham.	0	0	2	0	0	0	Thunderstorm/Wind
Mount Hebron area, Marshall County	01 1633CST	Thunderstorm winds downed trees, with some falling across houses and powerlines.	0	0	3	0	0	0	Thunderstorm/Wind
Gadsden area, Etowah County	01 1640CST	Winds toppled some trees and at least one home. Wind was damaged by a falling tree. Power outages were scattered over Etowah County. Most of the tree damage was in the Attalla and Rainbow City areas. Wind gusts to 49 mph were recorded at the emergency operation center in downtown Gadsden.	0	0	4	0	0	0	Thunderstorm/Wind
Alabama City, Etowah County	01 1642CST	Skywarn spotters reported a funnel cloud over Alabama City, moving southeast.							Funnel Cloud
Gardendale and Mount Olive areas, N Jefferson County	01 1643CST	Thunderstorm winds downed trees.	0	0	3	0	0	0	Thunderstorm/Wind
Walker County	01 1715CST	Thunderstorm winds shredded the canopy roof in front of a new car dealership on U.S. 78 in Jasper and two cars were damaged by the debris. Trees toppled by the winds fell on two homes and one vehicle about 4 miles SE of Jasper. Power outages were reported in Cordova and in the Jasper area.	0	0	4	0	0	0	Thunderstorm/Wind
Birmingham area, Jefferson County	01 1744CST	A funnel cloud was reported near the Fairfield exit on I-20/59.							Funnel Cloud
Sylvan Springs, W Jefferson County	01 1747CST	Thunderstorm winds downed trees near Alabama 269.	0	0	1	0	0	0	Thunderstorm/Wind
Brookwood area, Tuscaloosa County	01 1820CST	Thunderstorm winds downed some trees and overturned some heavy equipment.	0	0	2	0	0	0	Thunderstorm/Wind
Montevallo area, Shelby County	01 1830CST	Damage from thunderstorm winds included trees downed and a greenhouse damaged.	0	0	3	0	0	0	Thunderstorm/Wind
Clay County	01 1830CST	Thunderstorm winds downed some trees in southern Clay County. SKYWARN spotters estimated winds greater than 50 mph in Delta and south of Ashland.	0	0	1	0	0	0	Thunderstorm/Wind
Bibb County	01 1919CST	Thunderstorm winds blew down a tent where a revival was in progress. Some people were reported to have been struck by a falling support pole, but no one was reported to have been injured. Power outages were reported in West Blocton.	0	0	3	0	0	0	Thunderstorm/Wind
Parrish, Walker County	16 1000CST	A 66 year old woman was killed when a tornado demolished her mobile home in the Stephenson Road area moments after the storm had moved through the town's business district. Fifteen commercial buildings, 12 homes and one mobile home were extensively damaged or destroyed. Several vehicles were flipped over and a 56 year old man was seriously injured when the tornado overturned his truck. Several people reported watching the tornado for about 3 minutes as it developed just south of the downtown area, but did not hear a roar before the storm struck.	1	1	6	0	0	0	Tornado (F2)
Jasper, Walker County	16 1010CST	Five people were treated and released after being injured by a tornado that moved north across the east part of Jasper. One of the injured was a man who was talking on the phone to a customer when the tornado destroyed the mobile home that served as his office. The tornado was photographed by a newspaper photographer as it developed from the same thunderstorm that had produced the tornado in Parrish.	0	5	6	0	0	0	Tornado (F2)

ALABAMA

Gorgas area, Walker County	16 1020CST	Thunderstorm winds downed some trees and powerlines.	0	0	1	0	0	Thunderstorm/Wind	
Franklin County	16 1100CST	Thunderstorm winds downed trees on County Road 39.	0	0	1	0	0	0	Thunderstorm/Wind
Addison, Winston County	16 1115CST	A funnel cloud was reported moving north.							Funnel Cloud
5 SE Moulton, Lawrence County	16 1120CST	An apparent tornado downed trees in the Pinhook Community in SE Lawrence County, about 5 SE of Moulton. Trees blocked the highway and a motorist was trapped.	0	0	3	0	0	0	Tornado (F1)
Spring Valley to Muscle Shoals, Colbert County	16 1135CST	A 77 year old woman and her 13 year old grandson were injured when a tornado hit the Spring Valley area south of Muscle Shoals. Damage in the Spring Valley area included 2 houses, 3 mobile homes and 3 outbuildings destroyed and extensive damage to a school. Damage north into Muscle Shoals was mainly to trees and utility lines, but some buildings sustained roof damage.	8	100	0	2	5	0	Tornado (F2)
Danville to Salem, Morgan and Limestone Counties	16 1140-1320CST	A tornado moved north along an intermittent path after first touching down around 1140CST about 3 miles south of Danville, and moving past Danville, Neel and Trinity in Morgan County before crossing the Tennessee River near the Browns Ferry Nuclear Plant and moving into SN Limestone County around 1222CST. The tornado apparently lifted for the final time about 5 miles north of Salem in NW Limestone County around 1320CST. Numerous homes and other buildings were damaged or destroyed, with some of the most extensive damage over west Limestone County. Two men were slightly injured when a shop was destroyed about 2 miles south of Trinity around 1205CST. The men credited a pool table and butane tank with saving their lives by preventing the southwall from blowing completely down on them. The tornado destroyed or heavily damaged several occupied homes, but reports indicated that most occupants of the houses took shelter in hallways or small interior rooms and no one was injured.	45	100	0	2	6	0	Tornado (F3)
Oak Grove to Alliance, Jefferson County	16 1155CST	A tornado followed an intermittent path north from about 3 miles NE of Oak Grove to Liberty Church about 1/2 mile east of Alliance. Trees were downed and one barn was destroyed along with a few other outbuildings. Two buildings in the church complex were destroyed, with roof and window damage to others.	3	60	0	0	5	0	Tornado (F2)
West Jefferson, Jefferson County to 3 SE Dora, Walker County	16 1218CST	A tornado followed an intermittent path north from West Jefferson in western Jefferson County to the Morgan Chapel Community about 3 SE of Dora in SE Walker County. Three houses were damaged in West Jefferson, but the tornado lifted while passing the high school. Damage elsewhere along the path was mostly to trees and powerlines.	3	50	0	0	4	0	Tornado (F1)
Cold Springs area, SW Cullman County	16 1223CST	One house was damaged and outbuildings were destroyed by a tornado that lasted 5 minutes as it moved NE, south of Smith Lake.	0.6	30	0	0	4	0	Tornado (F1)
2 NW Summiton, Walker County	16 1230CST	A tornado apparently touched down briefly in the Rocky Hollow area about 2 miles NW of Summiton on U.S. 78. A mobile home was destroyed.	0.1	30	0	0	4	0	Tornado (F1)
NE Birmingham, Jefferson County	16 1240CST	Skywarn spotters reported a funnel cloud in the Eastwood Mall area.							Funnel Cloud
Birmingham area, Jefferson County	16 1245CST	At least one home was damaged by falling trees when a tornado touched down briefly on Alton Road near I-459, about 4 E of the Birmingham Airport. Other reports indicated a funnel cloud moved north past the Roebuck Plaza area and was very near the ground.	0.2	40	0	0	4	0	Tornado (F1)
Wheat area, SW Cullman County	16 1255CST	A small tornado crossed a mostly wooded area from just SW to just NE of Wheat.	0.8	40	0	0	3	0	Tornado (F0)
3 W Hanceville, Cullman County to Valhermoso Springs, Morgan County	16 1315-1420CST	A tornado appeared to have first touched down about 3 miles west of Hanceville in Cullman County, and moved NNE to near Berlin before turning almost due north to near Etha in northern Cullman County and passing just east of Eva in Morgan County. The tornado apparently crossed into Morgan County around 1350CST and clocks stopped in Valhermoso Springs at 1419CST. The path of the tornado was intermittent and damage varied from some tree tops snapped off in rural areas to homes almost completely leveled in a few spots. The most extensive damage path was from near Berlin to the Cullman/Morgan County line, and all of the reported injuries occurred in Cullman County in this part of the path. Houses were damaged in the Eva, Cocaco and Valhermoso Springs area	34	100	0	6	6	0	Tornado (F3)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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

ALABAMA

										of Morgan County. More than 30 homes were damaged and a few were completely destroyed. Among the homes destroyed was one near Etha that had just replaced a home lost in a tornado on April 5, 1985. Several mobile homes and vehicles were damaged or destroyed. Known injuries included two sisters, 73 and 81, injured when their mobile home was destroyed. A 23 year old woman and two children were injured in separate mobile homes and one man was injured when the storm struck his car. One elderly woman was reported to have died of a heart attack after taking shelter in a storm pit.
12 NW Florence, Lauderdale County	16	1316CST	.2	40	0	0	1	0	Tornado (F1)	A tornado touched down briefly in a wooded area near the intersection of Alabama 20 and the Machez Trace.
3 N Hanceville to 1 E Berlin, Cullman County	16	1320CST	5.5	50	0	0	3	0	Tornado (F1)	A tornado followed an intermittent path through a mostly wooded area, but some buildings were damaged.
Autauga County	16	1330CST			0	0	2	0	Thunderstorm/ Wind	Thunderstorm winds downed trees on the Alabama River SW of Autaugaville at 1330CST and 5 W of Prattville at 1345CST.
Section, Jackson County	16	1330CST	0.1	20	0	0	2	0	Tornado (F0)	An apparent tornado touched down in a wooded area and uprooted trees.
Fyffe area, DeKalb County	16	1345CST			0	0	2	0	Thunderstorm/ Wind	Thunderstorm winds downed a few trees and caused power outages.
Labuco, W Jefferson County	16	1348CST	0.1	30	0	0	4	0	Tornado (F1)	One house was damaged by an apparent tornado that touched down briefly.
Barfield area, Clay County	16	1400CST	0.1	30	0	0	3	0	Tornado (F0)	A tornado touched down very briefly in Barfield where a chicken house was unroofed. Skywarn spotters trailing the storm reported twin funnel clouds developed between Lineville and Ashland at 1355CST and moved NNE past the Barfield and Delta areas into Randolph and Cleburne Counties, with the only known touchdown at Barfield.
3 E Madison to 1 SE Jeff, Madison County	16	1408-1500CST	8.5	30	0	0	4	0	Tornado (F1)	A small tornado apparently skipped along a path from near Alabama 20 east of Madison to near Jeff. Reported damage included trees down near Alabama 20 and mobile homes damaged near Jeff. A funnel cloud and a second tornado both apparently moved north near parts of this path during the next hour.
Colony to 3 ESE Hanceville, Cullman County	16	1420CST	10	80	0	0	5	0	Tornado (F2)	At least 3 houses were damaged in Colony and 7 in the Stout Mountain area as a tornado moved NE from around Colony to the Hanceville area, apparently very near the path where two other tornadoes had developed about an hour earlier. Several mobile homes were also damaged or destroyed and roads were blocked by fallen trees.
Madison area, Madison County	16	1441CST							Funnel Cloud	A funnel cloud was reported by National Weather Service observers east of the Huntsville/Madison County airport, moving north.
Redstone Arsenal to Jeff area, Madison County	16	1530-1625CST	13	100	0	0	5	0	Tornado (F2)	A tornado apparently first touched down about 1/4 mile west of the airfield at Redstone Arsenal and moved north to the Jeff area, very near the track of a tornado that had occurred less than an hour earlier. A 3-story test building was damaged at Redstone Arsenal and at least 4 homes and some mobile homes were damaged in the Monrovia and Jeff areas.
Attalla area, Etowah County	16	1609CST	.5	20	0	0	1	0	Tornado (F0)	A small tornado touched down briefly in a wooded area just west of the Attalla City limits between I-59 and U.S. 11. Spotters reported tree tops were twisted off by the storm.
Madison County	24	1100-1330CST			0	1	4	0	Thunderstorm/ Wind and Hail	Thunderstorm winds destroyed a metal shed at Hazel Green around 1100CST and downed some trees in the Huntsville area around 1315CST. One tree damaged a late model car. Marble size hail was reported at Monrovia at 1245CST and golf ball size hail was reported east of Gurley near the Jackson County line at 1315CST. Winds gusted to 54 mph at the Huntsville/Madison County airport at 1312CST. Around 1310CST, a 26 year old electrician was slightly injured when lightning struck a substation fence in Huntsville while he was closing the gate.
Mooresville, Limestone County	24	1315CST			0	0	3	0	Thunderstorm/ Wind	Thunderstorm winds damaged the roof of a service station. Wind
Speake Community, Lawrence County	24	1400CST			0	0	3	0	Thunderstorm/ Wind	Thunderstorm winds damaged three houses.

ALABAMA

4 N Pell City, St. Clair County	24	1800CST			0	0	1	0	Thunderstorm/ Wind	Thunderstorm winds downed some trees and one falling tree blocked part of U.S. 231.
Georgiana, Butler County	24	1830CST			0	0	3	0	Thunderstorm/ Wind	Thunderstorm winds blew trees down on Alabama 106. One house and one barn were damaged by falling trees.
2 ARIZONA										
Globe, Gila County	11	0600MST			0	0	0	0	Flash Flooding	A large line of heavy thunderstorms produced widespread flash flooding in Gila County. Most damage was along SR 88 northwest of Globe.
Lake Havasu City, Mohave County	25	2200MST			0	0	4	0	Wind, Lightning	Considerable roof damage to the Desert Hills Fire Dept. occurred north of Lake Havasu City. Power poles were downed and several small fires were started due to frequent lightning.
Parker, LaPaz County	25	2300MST			0	0	4	0	Wind	Severe thunderstorm with winds estimated to be 60 mph moved through Parker and the adjacent area of Southern California. Up to as much as 1.3 inches of rain fell in 40 minutes. Some damage occurred to the Parker Police Department.
Salome, LaPaz County	27	1640MST			0	0	4	0	Wind	A roof blew off the high school as thunderstorms moved rapidly through the area.
Buckeye, Maricopa County	31	2300MST			0	0	4	0	Flash Flooding	Series of heavy thunderstorms moved across the western edge of the Greater Phoenix area. The storms continued eastward and weakened over Phoenix early on Sep. 1.
3 ARKANSAS										
White County	01	1609 CST			0	0	?	-	Wind/Hail	Large hail, the size of hen eggs, was reported by the police at Rosebud. Also, strong winds overturned and heavily damaged a boat and boat trailer.
Boone County	04	0745 CST			0	0	?	-	Wind	Law enforcement officials reported trees blown down at Omaha.
Jefferson County	04	1555 CST			0	0	-	-	Funnel Cloud	A funnel cloud was reported by the weather observer at Grider Field in Pine Bluff.
Arkansas County	04	1600 CST			0	0	-	-	Funnel Cloud	Several sources reported a funnel cloud 5 miles southeast of DeWitt.
Garland County	04	1650 CST			0	0	-	-	Funnel Cloud	A Sheriff's deputy reported a funnel cloud over the southern edge of the county at Percy.
Pike County	04	1705 CST			0	0	?	-	Hail/Wind	A cooperative observer at Newhope reported that wind from a thunderstorm blew down trees. One inch hail and 1.86 inches of rain also fell there.
Howard County	04	1720 CST			0	0	-	-	Hail	A storm spotter reported nickel size hail at Nathan.
Pike County	04	1740 CST			0	0	-	-	Hail	A cooperative observer reported dime-size hail north of Tokio.
Hempstead County	04	1755 CST			0	0	-	-	Hail	A storm spotter reported one inch hail at Belton.
Carroll County	04	about 1800 CST			0	0	2	-	Wind	A thunderstorm caused power outages in Green Forest by blowing down trees and tree limbs.
Carroll County	05	0230 CST			0	0	5	-	Lightning	Lightning set a church on fire, 4 miles south of Eureka Springs, along Highway 23. The church was a total loss.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

— ARKANSAS —										
Carroll County	05	0550 CST			0	0	3	-	Lightning	A home in Eureka Springs had smoke and fire damage in one room as a result of lightning.
Hempstead County	05	1730 CST			0	0	3	-	Wind	A thunderstorm moved through DeAnn and unroofed a hay barn. Also a window was broken at a nearby house.
Little River County	07	1550 CST			0	0	3	-	Lightning	Lightning struck the chimney of a home in Ashdown. The resulting fire damaged the roof and attic.
Pulaski County	09	about 1600 CST			0	0	3	-	Wind	A grocery store, under construction, had a wall blown down by a gust from a thunderstorm in North Little Rock. Some trees were blown down in the vicinity of the construction site.
Van Buren County	10	about 1340 CST			0	0	5	-	Wind	A boat dock and about 40 boats were damaged by a thunderstorm on Greers Ferry Lake near the border with Cleburne County.
Randolph County	10	1440 CST			0	0	?	-	Wind	Wind from a thunderstorm blew down a barn near Old Davidsonville State Park. Trees and tree limbs were also blown down in Pochontas.
Boone County	14	2115 CST			0	0	3	-	Lightning	A new home in Alpena suffered minor fire damage after lightning struck it.
Boone County	17	1530 CST			0	0	4	-	Lightning	A barn was consumed completely by a fire which resulted from a lightning strike. The barn was located on the outskirts of Harrison.
Faulkner County	17	1725 CST			0	0	?	-	Wind	Several large trees were blown down across a highway 10 miles north-northwest of Conway.
Polk County	18	1715 CST			0	0	5	-	Lightning	Lightning struck a home in Mena. It started a fire that destroyed the home and adjacent shop.
Pulaski County	19	1306 CST			0	0	4	-	Wind	Forty-four mph winds were recorded at the Little Rock Air Force Base. One metal storage building was destroyed. Another building had partial roof damage. Several vehicles had broken windows.
4 CALIFORNIA, Northern — NONE REPORTED										
4 CALIFORNIA, Southern — NONE REPORTED										
5 COLORADO										
Denver Area	1	1230-1530MST			0	0	4	0	Severe Thunderstorms	Heavy thunderstorms rolled through the southern and western parts of the Denver area, producing large hail and heavy rain. At about 1515, lightning hit a recreational vehicle trailer just southwest of town, causing it to burn. There was quite a bit of street flooding in the western metro area from rainfall that totaled over two inches in some areas.
		MST								SEVERE WEATHER REPORTS:
		1235								Golfball size hail at Evergreen (Central Jefferson County)
		1240								3/4 inch hail at Marston Lake (NE Jefferson)
		1254								1 inch hail just north of Evergreen (N. Jefferson)
		1309								1 inch hail at Doubleheader (S. Jefferson)
		1325								Hail 4 to 6 inches deep at Tinytown (Cntrl. Jefferson)
		1355								2.32 inches of rain in an hour at Doubleheader.
		1422								3/4 inch hail in south Lakewood (NE Jefferson)
		1426								1 inch hail in Littleton (W. Arapahoe)
		1520								2.13 inches of rain in 35 minutes at Buffalo Creek (S. Jefferson)
Larimer County	2	1558MST			0	0	0	0	Hail, Wind	1 inch diameter hail was reported 5 miles northwest of Drake, along with wind gusts of about 50 mph.
Larimer County	2	1633MST 1/4	20	0	0	0	0	0	Tornado (F1)	A tornado touched down briefly 5 miles southwest of Loveland. FPP101

— COLORADO —										
Weld and Larimer Counties	2	1600-1730MST			0	0	0	0	Heavy Rain	The thunderstorm that produced the tornado in Larimer County dumped an inch of rain in less than an hour in Loveland. The storm then moved east into western Weld County, dropping just over an inch in Platteville in just 20 minutes.
Weld County	2-	1715MST			0	0	0	0	Hail	3/4 inch hail piled up into drifts near Gilcrest.
Arapahoe County	3	1450MST 1/4	20	0	0	0	0	0	Tornado (F1)	A tornado touched down briefly about 10 miles northeast of Parker. FPP101
Kiowa County	7	1730MST			0	0	0	0	Hail	3/4 inch hail fell just southeast of Sheridan Lake.
Pueblo County	10	1700-1815MST			0	0	5	0	Severe Thunderstorm	A severe thunderstorm brought havoc to Pueblo. Hail damaged building roofs and cars; strong winds uprooted trees and downed power lines. 200 feet of fence were ripped out of the ground at a ballpark, along with the fence's concrete bases. At least three trees toppled onto buildings, and a store was unroofed. Many spots in the city received one half to one inch of rain during the storm.
Mountains	12	morning			0	0	0	0	Snow	An unusually early snowfall forced a brief closure of Trail Ridge road in Rocky Mountain National Park. The flakes fell as low as 9 thousand feet at Breckenridge, where an inch of snow briefly whitened the ground.
Arapahoe County	16	1600MST			1	0	0	0	High Winds	A thunderstorm produced microburst wind gusts in the southern part of the Denver area. One gust hit Cherry Creek Reservoir, capsizing a boat. One man drowned. The gusts, clocked as high as 50 mph, also downed a few trees.
Northeast Colorado	19	1550-1800MST			0	1	6	0	Severe Thunderstorms	Severe thunderstorms rumbled through several areas in north-eastern Colorado. The Colorado Springs area was hardest hit. Hail up to baseball size pummeled the northern part of the city, damaging an estimated 1700 cars and 1000 homes. Total damage was estimated at 2 1/2 million dollars. Severe Weather Reports on August 19:
		MST								
		1553								2 inch hail between Peyton and Calhan. (NE El Paso County)
		1613								1 inch hail 10 miles SW of Brush (SE Morgan)
		1616								1 1/4 inch hail just northeast of Brush (NE Morgan)
		1651-1658								1 1/2 inch hail 5 miles southwest of Calhan (NE El Paso)
		1712								1 inch hail near Akron (N. Washington)
		1715								1 1/4 inch hail 12 miles west of Akron (NW Washington)
		1730-1800								1 inch to baseball size hail in northern Colorado Springs (NW El Paso)
		1800								3 inch hail 10 miles northeast of Colorado Springs (N. El Paso)
Arapahoe County	20	1905MST			0	0	3	0	Strong Winds	Wind gusts near a thunderstorm reached 59 mph at Byers. A cowshed on a farm was demolished and the fragments were scattered for half a mile to the north.
Logan County	27	1530-1630MST			0	0	0	4	Rain, Hail	3.20 inches of rain fell in an hour at Fleming; marble size hail damaged corn in the area.
Weld County	27	1610-1700MST			0	0	0	0	Heavy Rain	1.37 inches of rain fell in 50 minutes three miles southwest of Greeley; there was some street flooding in the city.
Lincoln County	27	2110MST			0	0	0	0	Hail	Hail two inches in diameter fell at Arriba.
Arapahoe County	31	1340MST			0	0	0	0	High Wind	A thunderstorm microburst produced a wind gust of 60 mph at Buckley Field in Aurora.
6 CONNECTICUT										
North Central	11	1600EST-1900EST			0	0	4	0	Lightning and Heavy Rain	Severe thunderstorms moved through the area, hitting especially hard at Bradley International Airport in Windsor Locks. The Airport was forced to close for several hours after lightning strikes knocked out radar, navigational equipment, and runway lighting. The storm struck Bradley at about 1830EST. The National Weather Service at Bradley, Windsor Locks, measured 2.38 inches of rainfall in 45 minutes for a new record for that short period. Lightning caused power losses affecting up to 22,000 customers statewide. Six horses were killed by lightning in Glastonbury. Local street flooding was reported throughout the area, with as much as 3.50 inches of rainfall in the Greater Hartford area.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

CONNECTICUT

Milford, New Haven County	25	All day			0	0	5	0	Heavy Rain and Flooding Heavy rain and street flooding resulted in the collapse of the pavement on two streets. A one hundred foot section of one street collapsed at about 11:00EST.
East Killingly, Windham County	26	1345EST - 1400EST	0.5	100	0	0	2	0	Tornado (F1) A small tornado moved through a camping area, damaging tents, trailers, and fences before moving eastward across the state line into Rhode Island. No injuries were reported and damage was held to a minimum since the vortex moved along at tree-top level. The occurrence was confirmed by National Weather Service investigation. The total path length in both states was 1.5 miles.
East Lyme, New London County	30	1150EST - 1200EST			0	0	0	0	Funnel, Wind A funnel cloud was observed near Route 161 (west), moving from west to east. The funnel was about 200 to 300 yards in the air. Gusty winds on the ground overturned a couple of trees.

7 DELAWARE ————— NONE REPORTED

8 FLORIDA

Ft. Lauderdale, Broward Co.	01	1201EST	0.5	10	0	1	2	-	Tornado (F0) A tornado touched down at a flea market and damaged a chain link fence and some of the merchandise in the flea market. A man suffered a separated shoulder.
Miami (10 mi W), Dade Co.	04	1830EST			0	0	-	-	Funnel Clouds Several funnel clouds were observed west of Miami by NWS personnel, pilots, and airport tower personnel.
Naranja, Dade Co.	05	1320EST	0.5	10	0	0	3	-	Tornado (F0) A tornado downed two trees which fell onto and damaged a mobil home.
Belle Glade, Palm Beach Co.	05	1405EST	0.5	10	0	0	0	-	Tornado (F0) A sheriff's officer reported a tornado in an open field.
Manatee Co.	05	1900EST			0	0	0	3	Lightning Lightning struck and did not damage a live oak tree, but killed 5 cows under the tree.
Beverly Hills, Citrus Co.	06	1720EST			0	0	4	-	Lightning Lightning started a fire which caused extensive damage to an unoccupied house.
Orange Spring, Marion Co.	07	1630EST			0	0	3	-	Thunderstorm Wind High wind blew the roof off a barn, uprooted several trees and blew out some windows of a house.
Coral Springs, Palm Beach Co.	08	1500EST			0	0	4	-	Lightning Lightning started a fire which caused extensive damage to an unoccupied house.
Ft. Lauderdale, Broward Co.	09	1130EST			0	2	-	-	Lightning Lightning struck an Australian pine tree and injured two women, one 30 and the other 23 years old, who were sitting on a picnic bench near the tree. No rain was falling, but dark clouds were moving in from the west at the time.
Zuber, Marion Co.	10	1300EST			0	1	-	-	Lightning Lightning struck near a 20 year old man who was near a tree in an open field. It was raining hard at the time.
Lecanto, Citrus Co.	12	1520EST			0	0	2	-	Thunderstorm Wind A storage shed was destroyed by high wind.
Ellisville, Columbia Co.	13	1350EST			0	0	0	3	Lightning Lightning struck and killed three cows which had moved to an open field from a grove of trees when the lightning storm started.
Plant City, Hillsborough Co.	13	1535EST			0	0	4	-	Lightning Lightning started a fire which extensively damaged an unoccupied home.

FLORIDA

Cape Coral, Lee Co.	13	1555EST			0	0	4	-	Thunderstorm Wind A pool enclosure was destroyed and blown into several power lines and also onto several nearby houses.
New Port Richey, Pasco Co.	13	1845EST			0	0	4	-	Lightning Lightning started a fire which extensively damaged an unoccupied home.
South Punta Gorda Heights, Charlotte Co.	15	1610EST			0	0	3	-	Thunderstorm Wind A utility shed roof was blown across a canal and the roof of a trailer was severely damaged.
Cocoa Beach, Brevard Co.	21	1300EST			0	1	0	0	Lightning A 23 year old man standing on a dune boardwalk was struck and severely injured by lightning. It was not known if it was raining at the time.
North Fort Myers, Lee Co.	22	1510EST			0	0	4	-	Lightning Lightning started a fire which destroyed a mobile home. The three occupants escaped without injury.
Lecanto, Citrus Co.	25	1230EST			0	0	3	-	Thunderstorm Wind An aluminum roof of a screened porch was blown off and into a nearby tree.
Bithlo, Orange Co.	27	1212EST			0	0	4	-	Thunderstorm Wind Six homes were severely damaged and 18 others were slightly damaged. Roofs and chimneys were damaged by the high wind. Several trees were downed and a shed was destroyed.
Orlando (10 ENE), Orange Co.	27	1842EST			0	0	2	-	Thunderstorm Wind Two mobile homes were slightly damaged by high wind.
Ft. Lauderdale, Broward Co.	28	2230EST	0.5	10	0	0	-	-	Tornado (F0) Police reported a tornado with little damage.
Statewide	28-09/02				1	?	7	?	Hurricane Elena Elena was named August 28 while moving northwest over central Cuba. Elena reached hurricane status over the Gulf of Mexico and continued to move rapidly northwest before the storm slowed and turned to the east. The storm stalled off the north-central Florida coast for 24 hours before strengthening slightly and moving northwest towards landfall in Mississippi. Highest winds were in the west panhandle, with 80 knots reported at Pensacola. Most of the big bend and west-central coast experienced winds near 60 knots, and Key West reported 48 knots. A tree blew down onto a car, killing a 37 year old man at Dayton Beach. The man's neck was broken by the tree. Tides ran 3 to 5 feet above normal from Sarasota to Pensacola. A storm surge of 10 feet was reported at Apalachicola. Rainfall ranged from 2 inches at Key West to 11 inches at Apalachicola. A listing of significant tornadoes associated with Elena follows:
New Port Richey, Pasco Co.	31	0230EST	0.5	10	0	0	5	-	Tornado (F1) A tornado extensively damaged an office building. The wind blew an automobile around.
Ocala, Marion Co.	31	0530EST	1.0	20	0	0	4	-	Tornado (F1) Six mobile homes were destroyed. Dozens of yellow pines were twisted and snapped in two.
Leesburg, Lake Co.	31	0730EST	5.0	50	0	0	6	-	Tornado (F2) A tornado began in east Leesburg and moved north-northeast. Seventy mobile homes were destroyed and 52 were severely damaged.
Moore Haven, Glades Co.	31	1320EST	0.5	10	0	0	3	-	Tornado (F0) Four mobile homes and 12 homes suffered roof damage.
Leesburg, Lake Co.	31	1700EST	2.0	20	0	0	3	-	Tornado (F0) Several mobile home roofs were destroyed. This tornado occurred about 2 miles west of the earlier Leesburg tornado.
Mayport NAS, Duval Co.	09/01	1245EST	1.0	20	0	0	3	-	Tornado (F0) One roof was damaged and 5 sheds were destroyed.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
9 GEORGIA											
Hall County	01	1425EST			0	0	3	0			Wind
Thunderstorm winds damaged a roof of a house and uprooted several trees near Lake Lanier.											
Cobb County	01	1830EST			0	0	2	0			Wind
Thunderstorm winds uprooted several trees in the north part of the county, blocking several roads and damaging utility lines.											
Newton County	01	1905EST			0	0	2	0			Wind
Several trees were downed at scattered locations near Covington.											
Jasper County	01	2015EST			0	0	2	0			Wind
Trees were downed west of Monticello, blocking Highway 212.											
Hart County	16	1800EST			0	0	4	0			Wind
Thunderstorm winds downed around 40 trees and destroyed a mobile home at Hart State Park northeast of Hartwell. A car was damaged by one of the falling trees.											
DeKalb County	16	1820EST									Funnel Clouds
Funnel clouds were sighted near Toco Hills Shopping Center and near Clarkston in northern DeKalb County.											
Jackson County	17	0650EST	10	70	0	0	6	5			Tornado(F1)
A tornado touched down 4 miles southwest of Jefferson and skipped along a 10 mile long path to the northeast, ending just northeast of the Jackson County Airport, 3 miles north of Jefferson. Two chicken houses and several thousand chickens were destroyed. Two houses were heavily damaged and many others had minor damage. The worst damage was at the Jackson County Airport, with 13 of 15 aircraft destroyed and the hanger unroofed and heavily damaged.											
Oconee County	17	0740EST	6	30	0	0	5	3			Tornado(F1)
A tornado touched down 4 miles southwest of Bogart and moved along a 6 mile path to just north of Bogart. One house and a mobile home were destroyed and several houses suffered minor to moderate damage. Trees were downed along much of the path.											
Madison County	17	0845EST			0	0	2	0			Wind
Thunderstorm winds downed several trees in northeastern Madison County.											
Ben Hill County	23	1330EST			0	0	3	0			Wind
A large storage shed was destroyed and a house damaged by thunderstorm winds in Fitzgerald. Many trees were also uprooted or broken off.											
Colquitt County	23	1430EST			0	0	4	0			Wind
Thunderstorm winds damaged a hanger and two planes at the Moultrie Municipal Airport. A house was also damaged in the same area.											
Fulton County	24	1500EST			0	0	3	0			Wind, Hail
Thunderstorm winds downed several large trees in Alpharetta. Hail to golf ball size also fell in the area. One house was damaged by a falling tree.											
Gordon County	25	1920EST			0	0	3	0			Wind
Thunderstorm winds uprooted a few trees at scattered locations in Calhoun.											
10 IDAHO											
Idaho Falls, Bonneville County	1	1720 MST			0	0	3	0			Thunderstorm, Wind
TV station KIFI in Idaho Falls reported a wind gust of 61mph and frequent cloud to ground lightning associated with a thunderstorm. No significant damage was reported.											
Minidoka, Cassia, Power, and Bannock Counties	26	late afternoon			0	0	4	0			Thunderstorm, Wind
A line of thundershowers moved through southern Idaho, toppling many trees. Near Albion, Cassia County, a horse barn was demolished, slightly injuring one horse. A peak wind of 68mph was recorded at the Weather Service Office in Pocatello. No major damage was reported.											
Lewiston, Nez Perce County	27	2008 PST			0	0	3	0			Lightning
A lightning strike knocked two boys off a couch as they watched TV. Nobody was injured although the lightning tore a foot-wide hole in the living room wall. The lightning apparently started a fire beneath a bedroom window.											
11 ILLINOIS											
Northern Cook County	06	0030-0230CST			1	0	3	0			Flash Flood
Two to 4 inches of rain fell in a 2-hour period, resulting in considerable street and some residential flooding in north-suburban Chicago. The heaviest rains occurred in Skokie, and most flooding was concentrated in the vicinity of Dempster Street and the Edens Expressway. A Commonwealth Edison repairman was electrocuted during cleanup operations.											
30 NW Peoria, Stark County	06	1340CST			0	0	0	0			Funnel
A funnel cloud aloft developed near Carol Stream (DuPage County) and moved 8 miles westward to just south of O'Hare International Airport (Cook County), before dissipating. The funnel aloft was observed by many residents of northwest metropolitan Chicago.											
Stephenson County	12	2145CST			0	0	3	?			Severe Thunderstorm
Thunderstorm winds toppled several trees at scattered locations in the county. Lightning also started four minor fires.											
N Quarter of State	13	0030-0500CST			0	0	3	0			Heavy Rain
Thunderstorm rains between one and 4 inches resulted in minor street and highway flooding. Telephone service to 70,000 homes was temporarily interrupted in the Rockford area when water flooded underground cables.											
Du Page and Cook Counties	25	1703-1718CST			0	0	0	0			Funnel
A funnel cloud aloft developed near Carol Stream (DuPage County) and moved 8 miles westward to just south of O'Hare International Airport (Cook County), before dissipating. The funnel aloft was observed by many residents of northwest metropolitan Chicago.											
12 INDIANA											
Fair Oaks, Jasper County	06	1435 EST			0	0	?	0			Hail
Golf ball size hail fell at Fair Oaks. Damage unknown.											
Mount Ayr, Newton County	06	1630 EST			0	0	2	0			Thunderstorm Wind
Strong thunderstorm winds blew power lines down in Mount Ayr.											
5 SW. Logansport, Carroll County	06	1720 EST			0	0	2	0			Thunderstorm Wind
Strong thunderstorm winds downed power lines 5 miles southwest of Logansport.											
Fort Wayne, Allen County	06	1745 EST			0	0	4	0			Lightning
A mobile home on Fort Wayne's northwest side was destroyed by fire after being struck by lightning.											
4 N. Roanoke, Whitley County	07	1530 EST			0	0	0	3			Hail
Hail 3/4 to 1 inch in diameter produced damage to crops 4 miles north of Roanoke.											
Lagrange, La Grange County	14	0630 EST			0	0	4	0			Lightning
A home in Lagrange was damaged by fire after being struck by lightning.											
Clay City, Clay County	14	1350 EST			0	0	2	0			Thunderstorm Wind
Strong thunderstorm winds downed power lines in Clay City.											
Ellettsville, Monroe County	14	1710 EST			0	0	?	0			Thunderstorm Wind
Strong thunderstorm winds reached 75 mph at Ellettsville.											
1 N. Broadview, Monroe County	14	1712 EST			0	0	2	3			Thunderstorm Wind
Strong thunderstorm winds blew down some tree limbs and damaged a field of tobacco.											
2 N. Franklin, Johnson County	14	1823 EST			0	0	2	0			Thunderstorm Wind
Strong thunderstorm winds downed a tree just north of Franklin.											
2 S. Deerfield, Randolph County	18	1450 EST			0	0	?	?			Hail
Hail 3/4 inches in diameter was reported near Deerfield. No damage was reported.											
North Liberty, St. Joseph County	24	1905 EST			0	0	0	0			Hail
Hail 1/2 inch to golf ball size accumulated 3 inches deep on a patio near North Liberty.											
Goshen, Elkhart County	24	2000 EST			0	0	2	0			Thunderstorm Wind
Tree limbs were downed by strong thunderstorm winds and scattered power outages were reported.											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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		

INDIANA

Crawfordsville, Montgomery County	29	2135 EST	0	1	4	0	0	0	Thunderstorm Wind	Strong thunderstorm winds caused destruction in Crawfordsville. Several homes were damaged by wind and flying objects. Trees were uprooted. A mobile home was overturned and another was blown off its blocks. A young man knocked off his bike by a flying object was taken to the hospital. No crop damage was reported.
Perkinsville/Lapel, Madison County	29	2203 EST	0	0	3	0	0	0	Thunderstorm Wind	Several large trees were downed by thunderstorm winds on State Road 13 just south of Perkinsville and about 5 miles farther south near Lapel.
Anderson, Madison County	29	2210 EST	0	0	3	0	0	0	Thunderstorm Wind	Thunderstorm winds downed trees in Anderson.
Pittsboro, Hendricks County	29	2210 EST	0	0	4	0	0	0	Thunderstorm Wind	Strong thunderstorm winds destroyed a garage and caused heavy damage to the vehicles inside. Trees were uprooted.
Indianapolis, Marion County	29	2225 EST	0	0	0	0	0	0	Thunderstorm Wind	A wind gust of 69 mph was recorded at the Indianapolis International Airport.
Carmack/Yorktown, Delaware County	29	2230 EST	0	0	2	0	0	0	Thunderstorm Wind	A few large trees were downed near Yorktown while tree limbs were blown down near Carmack.
2 W. Southport, Marion County	29	2245 EST	0	0	2	0	0	0	Thunderstorm Wind	Tree limbs 6 to 12 inches in diameter were snapped off by thunderstorm winds.
Avon, Hendricks County	29	2330 EST	0	0	0	0	0	0	Hail	Golf ball size hail fell in Avon. No damage was reported.
Indianapolis, Marion County	29	2345 EST	0	0	0	0	0	0	Hail	Golf ball size hail fell in western Indianapolis but no damage was reported.
Cunot/Quincy, Owen County	30	0050 EST	0	0	4	0	0	0	Thunderstorm Wind	Two homes were severely damaged by fallen trees near Cunot. Also, downed trees blocked U.S. Highway 231 about 3 miles east of Cunot. Power lines were downed in Quincy.
2 E. Edinburg, Shelby County	30	0130 EST	0	0	2	0	0	0	Thunderstorm Wind	A few large trees were uprooted just east of Edinburg.
2 N. Jeffersonville, Clark County	30	0800 EST	0	0	4	0	0	0	Lightning	A video rental store was damaged when lightning struck an electrical wire outside the store and caused a fire inside.
Clarksville, Clark County	30	1420 EST	0	1	0	0	0	0	Lightning	A Clarksville boy was critically injured when struck by lightning.

13 IOWA

Plymouth County	04	1730 CST	2	10	0	0	4	0	Tornado (F1)	A tornado destroyed a barn and grain bin and damaged a house and garage on a farm northwest of LeMars. Two miles east of this farm, trees were uprooted and some outbuildings were wrecked by the storm.
Cherokee County	04	1802 CST	.5	10	0	0	4	0	Tornado (F1)	A tornado from the same storm that passed through Plymouth County destroyed some livestock sheds, sheared off some trees, flattened corn, and lifted part of the roof off a barn at some farms west of Cherokee. One family actually observed the funnel touch down.
Adams County	05-06	1830-0130 CST	0	0	4	0	0	0	Flash Flood	The basement of a house caved in at Corning during the flood resulting from a torrential downpour.
North Central and Central Iowa	06	Evening	0	0	5	5	5	5	Thunderstorms with Wind and Hail	Hail up to 1 to 2 inches in size dented some cars, broke windshields, and damaged crops in Wright County in the vicinity of Belmond [1515-1520] and near Alexander in Franklin County [1535-1550]. Large hail was also seen near Albion in Marshall County [1740].
Wright County	06	1515 CST	0	0	0	0	0	0	Funnel Clouds	Several funnel clouds were spotted: near Renwick, southwest of Clarion and near Belmond.
Dubuque County	07	0025-0045 CST	0	0	5	0	0	0	Thunderstorm Winds	A thunderstorm quickly developed in the early morning hours with winds that caused an estimated \$325,000 damage to a couple of Midway rides, a truck and a trailer at the County Fairgrounds.

IOWA

Statewide	09	Afternoon-Evening	0	0	5	4	4	4	Thunderstorm with Winds and Hail	A line of thunderstorms developed in Central Iowa and moved east. In Eastern Iowa the storms became vicious. In Mitchell County, good-sized branches and at least one tree were downed on a road near St. Ansgar [1530]. Three-quarter inch hail was observed east of Dumont in Butler County [1616]. Many trees were felled and several grain bins destroyed by the wind in Buchanan County, north-east of Independence, and power outages resulted [1845-1900]. More than 80 trees were damaged or destroyed and several outbuildings were demolished near Wadena [1850]. There was also some damage in Jefferson, Van Buren and Davis Counties; some trees were uprooted and there was roof damage to a couple of houses [2130-2200]. The thunderstorms were generally weakening at that time.
Statewide	09	Evening	0	1	6	0	0	0	Lightning	A stroke of lightning struck a home in Calmar through a CB Radio antenna, blowing the fuse box, burning out the phone lines and damaging some plumbing. Another resident of the Winneshiek County town lost two televisions to power surges in the storm. Lightning struck a man as he went to untie his dog chained-up to a tree at Ogden [1730]. Power outages also were the result of notable electrical storms at Des Moines, Mt. Ayr and Muscatine. Fire began to burn in a home near Waucoma that was struck, but the firemen were able to stop the blaze. At West Point in Lee County, a fire started from lightning at a seed company, causing an estimated half million dollars in damage.
Northeast Iowa	12	Evening	0	2	5	4	4	4	Thunderstorm Winds	A barn was destroyed as it was lifted off its foundation, and several other outbuildings leveled at some farmsteads in eastern Bremer County [1715]. That was only the prelude to the events that followed. There was evidence of a downburst in northeast Fayette County [1745-1751], northwest Clayton [1751-1815] and southeast Allamakee County [1815-1827]. A semi-continuous path of damage to trees and outbuildings and a couple of homes could be seen for miles from southwest of Elgin to Monona to Luster Heights. A few barns were destroyed by the storm as well, and a prefabricated home near Elgin was ripped apart at the seams, and part of the structure was pushed 10 to 15 feet from the foundation. The two residents were slightly injured. At Monona, trees fell onto several cars, and the cinder block wall on one side of a concrete company collapsed inward.
Wayne County	12	1800-1805 CST	0	0	4	0	0	0	Thunderstorm Winds	Numerous trees felled by the wind at the Corydon golf course gave evidence of the severe storm that quickly passed through the area.
Washington County	12	1940 CST	0	0	4	0	0	0	Thunderstorm Winds	A tree toppled onto a house 7 miles south of Washington as thunderstorms passed through the area. The house was considered to be a total loss.
Jackson and Clinton Counties	12	2130-2140 CST	0	0	4	0	0	0	Thunderstorm Winds and Lightning	Many trees were knocked down by the wind in the City of Clinton and throughout the county by the winds that moved through with the thunderstorms. Lightning struck one woman's house and caused an estimated \$4,000 damage. In Fulton [2130], the winds flipped over a vacant mobile home, demolishing it and slightly damaging another trailer.
Sac County	13	1328 CST	1.5	10	0	0	0	3	Tornado (F1)	A tornado touched down in a cornfield about a mile south of Early. No damage, except to some crops, occurred.
Pocahontas County	13	1403 CST	.5	10	0	0	0	0	Tornado (F1)	A tornado touched down briefly in a field 4 miles south of Rolfe.
Pocahontas, Humboldt and Kosciusko Counties	13	1345-1445 CST	0	0	0	0	0	0	Funnel Clouds	Numerous funnel clouds were sighted during this period.
Eastern Iowa	14	1115-1230 CST	0	0	0	0	0	0	Cold Air Funnels	Numerous cold air funnel clouds were sighted in Jones, Delaware and Linn Counties.
Linn County	14	1125 CST	.1	5	0	0	4	0	Cold Air Tornado (F1)	A cold air tornado touched down long enough to rip about a quarter of the roof off a fruitstand in Cedar Rapids. A two-ton compressor was moved 15 feet, and a car was shifted slightly by the vortex.
Jones County	14	1140 CST	.1	5	0	0	0	0	Cold Air Tornado (F0)	A cold air funnel dipped down out of the sky and returned to the parent cloud several times, resulting in numerous reports of the tornado.
Delaware County	14	1215 CST	.1	5	0	0	0	0	Cold Air Tornado (F0)	A cold air tornado touched down at least two or three times in the southwest part of the county.
Polk County	17	0715 CST	0	0	4	0	0	0	Strong Winds	Strong winds that appear not to have been associated with thunderstorms struck at the Marina on Saylorville Lake, breaking loose 7 boats and sinking 2. One witness estimated the winds at 50 to 70 MPH, and channelling may have been a factor, since at Polk City, winds never exceeded 20 MPH.
Northwest Iowa	23	Evening	0	0	4	0	0	0	Thunderstorm Winds	Strong winds in thunderstorms made a Drive-In at Sioux City into a pile of rubble [2025-2040], and also caused damage in Cherokee County [2136].

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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						
IOWA										KANSAS														
Delaware County	24	1115-1130 CST			0	0	0	0	Funnel Clouds	Winfield, Cowley County	04	1626-1629 CST			0	0	3	3	Hail					
									Several funnels were sighted in the vicinity of Manchester.										A thunderstorm dropped 3/4 to 1 inch diameter hailstones upon Winfield.					
Delaware County	24	1115-1117 CST	1.0	15	0	0	0	0	Tornado (F0)	Paola, Miami County	06	1315 CST			0	1	5	5	Hail, Wind					
									A tornado touched down 5 miles northwest of Manchester. No damage occurred.										Thunderstorm winds estimated at 65 mph hit the Paola area. Extensive tree and power line damage resulted. The driver of a tractor-trailer rig was injured when the wind turned the rig over just south of town. Several fields of milo and soybeans were wiped out by 1 inch hail 5 miles southeast of town.					
Delaware County	24	1140 CST			0	0	0	0	Thunderstorm with Hail	Paola, Miami County	06	1430 CST			0	0	4	0	Lightning					
									One inch hail fell in Manchester.										A rural Paola home was set afire by lightning. Two rooms and their contents had considerable damage.					
Sioux County	25	0030 CST			0	0	5	0	Lightning	Beloit, Mitchell County	06	1445-1545 CST			0	0	0	3	Hail					
									A direct strike knocked out the telephone service in Sioux Center for more than 36 hours, and the Cable TV was out for more than 12 hours.										A severe thunderstorm crossed the southern half of Mitchell County and dropped ping pong ball size hail 5 miles southwest of Beloit at 1456 CST.					
Plymouth County	28	0000-0400 CST			0	0	5	4	Flash Flood	Ash Grove and Lincoln, Lincoln County	06	1530-1700 CST			0	0	4	3	Hail					
									The rain came down in torrents at LeMars - more than 8 inches in the early morning hours. Every home in town had some problems, and houses that had never had water in the basement in 30 years suddenly had a half foot of water. The worst damage was in an area about a quarter mile square near the creek.											A series of severe thunderstorms crossed Lincoln County. Golfball size hail fell in Ash Grove at 1540 CST and tennis ball size dropped to the ground in Lincoln at 1634 CST.				
Northwest and North Central Iowa	28	Afternoon Evening			0	0	4	5	Thunderstorm Winds and Hail	Russell, Russell County	06	1615-1715 CST			0	0	3	0	Wind, Hail					
									A group of thunderstorms developed on Wednesday afternoon, and some of these became severe. Numerous tree branches came down in the wind at Hospers [1415], and a few car and house windows were consequently broken. At 1445 CST, golfball size hail fell at Estherville. Both wind and hail knocked down power lines, blew over out-buildings, and knocked the stuffing out of acres of corn and beans from near Sutherland to east of Aurelia. This storm was a fury in O'Brien [1534-1600], Cherokee [1550-1620], Clay [1615-1626], and Buena Vista [1619-1634] Counties. Hail the size of golfballs was reported at Algona in a storm at 1930 CST. There was wind damage from another group of thunderstorms that moved into Northwest Iowa later in the evening. Police at Akron reckoned the winds at 60 MPH [2150-2200]; which pushed out windows, broke a great number of branches, and tossed some bleachers into a fence. High winds later struck at LeMars in Plymouth County [2245].															A severe thunderstorm developed over western Russell County and moved slowly east. Winds estimated at 70 mph blew out car windows and 3/4 inch hail fell in Russell at 1650 CST.
14 KANSAS										Stafford, Pratt and Barber Counties	06	1645-1900 CST	70	10 mi.	0	2	5	6	Hail, Wind					
Saline and Dickinson Counties	03	1645-1800 CST			0	0	4	0	Wind, Hail, Funnels										A severe thunderstorm formed 14 miles northwest of St. John and moved south-southeast towards Medicine Lodge. The storm dropped large hail on a path about 8 miles wide from east of Radium into north-central Pratt County north of Pratt. Two people suffered minor injuries when the windshields of their cars were knocked out by hail west of St. John. Hail fell west of St. John for about half an hour from 1700 to 1730 CST. The hail resulted in crop losses of 90 percent over 15,000 acres mainly in western Stafford County. Farm dwellings and equipment were damaged as well. Hail damage was not as widespread or severe in Pratt County, but windows were knocked out of the building and several vehicles at Skyline High School, and 70 mph winds demolished several small buildings in Pratt. A list of severe weather reports follows:					
									Severe thunderstorms produced strong winds and hail as they moved across the northern parts of Saline and Dickinson Counties. The storms also spawned several funnels and two tornadoes (1 listed separately). Winds were estimated at 60 mph at 1740 CST and 3/4 inch hail fell at 1750 CST in the northeast corner of Saline County. A semi-trailer truck was blown off Interstate 70, 3.5 miles west of Abilene at 1750 CST. Funnels were sighted west of Solomon, near Sand Springs and near the Talmage exit off I-70 between 1700 and 1800 CST.												1700 CST Baseball size hail at St. John 1704 CST Golfball size hail 4 miles west of St. John 1746 CST Golfball size hail north of Pratt. 1845 CST 59 mph wind gust measured at Medicine Lodge			
Dickinson and Saline Counties	03	1652-1716 CST	5	400	0	0	3	0	Tornado (F1)	Ellsworth, Ellsworth County	06	1643-1700 CST	6	400	0	0	5	3	Tornado (F1)					
									A tornado touched down in open country 4 miles west-southwest of Solomon and traveled on the ground, intermittently northeast about 5 miles. Trees and fences were damaged, but little other damage resulted.										A tornado dropped to the ground 2 miles north of Ellsworth and moved southeast across the northeast part of town and on to Kanopolis. It dissipated just southeast of Kanopolis. The twister destroyed 2 mobile homes and damaged several other homes on the north side of Ellsworth. A few homes sustained minor damage in Kanopolis.					
New Cambria, Saline County	03	1700 CST			0	0	0	0	Tornado (F0)	Washington, Republic, Nemaha, Brown, Marshall and Riley Counties	06	1650-1845 CST			0	1	5	7	Hail, Wind					
									A tornado touched ground briefly near New Cambria. No damage resulted.										A line of potent thunderstorms moved out of Nebraska and entered Kansas between Belleville and Hiawatha. The storms dropped large hail in many spots and produced strong wind gusts over a wide area. A six mile wide area from 4 miles north to 8 south of Hanover had major hail damage done to 15,000 acres of milo, soybeans and corn. One person suffered an eye injury when a window in his home in Hanover was knocked out by hail. Hail as large as baseballs and 60-80 mph winds devastated crops in an area 2-3 miles wide from just southeast of Sabetha through Fairview and Powhattan in Brown County. More than 20,000 acres of corn, milo and soybeans were flattened. Hail knocked out windows and caused roof damage in several areas, and winds damaged barns and farm buildings in some spots. A list of reports follows:					
Harvey County	03	1738 CST			0	0	0	0	Hail										1715 CST 75 mph winds at Berwick, in northern Nemaha County 1725 CST 3/4 inch hail at Hanover 1730 CST 70 mph winds 8 miles south of Hiawatha 1730 CST Golfball to baseball size hail at Fairview 1733 CST 3/4 inch hail at Washington 1735 CST Baseball size hail knocked out windows in Hanover 1740 CST 60 mph wind at Salina 1743 CST Golfball size hail at Cuba 1752 CST 60 mph wind at Marysville 1825 CST 70 mph wind at the Manhattan Airport					
Kingman, Reno, Harper, and Sedgwick Counties	03	2058-2235 CST			0	0	5	4	Wind, Hail															
									An intense southeast-moving squall line packing 60 plus mph winds and golfball size hail caused significant property damage as it moved through south-central Kansas. Winds estimated at 60 mph toppled a grain bin at the intersection of Highways 54 and 17 in northeast Kingman County at 2058 CST. Strong winds destroyed a truck camper, knocked down a brick chimney, and leveled a garage and metal shed a mile east of Hutchinson at 2124 CST. A 62 mph wind gust was measured at the Wichita Airport at 2145 CST. Trees were toppled and outbuildings damaged in Harper at 2200 CST.															
									Golfball size hail and 65 mph winds pounded the area near Conway Springs for about 10 minutes, beginning at 2216 CST. Roof and tree damage resulted, but the major impact was the near total destruction of the peach crop.															
									Tree and roof damage in Wellington that resulted from strong winds at 2235 CST was the last severe weather reported from the line of storms.															

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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

KANSAS

Sumner and Cowley Counties	06 1836-1945CST								0 0 4 3 Wind	A cluster of severe thunderstorms with 60 mph winds caused minor roof and tree damage at Conway Springs at 1836CST. The storms gathered strength while moving east-southeast. They slammed into Wellington with 80 mph winds at 1900CST and knocked down power poles, uprooted trees, destroyed several outbuildings and grain bins, and partially unroofed and blew windows out of several homes and businesses. An unoccupied mobile home was turned upside down just north of town and several light aircraft were damaged at the airport.
Morris County	06 1900-1950CST								0 0 4 0 Wind	A severe thunderstorm developed near White City and spread strong winds through Council Grove. Winds estimated at 60 mph hit near White City at 1910CST and in Council Grove at 1940CST. The winds damaged trees and power lines.
Crystal Springs, Harper County	06 1935CST								0 0 2 0 Wind	Thunderstorm winds estimated greater than 60 mph hit northwest of Anthony near Crystal Springs. Little damage resulted.
Greenwood County	06 1950-2030CST								0 0 4 3 Wind	An isolated severe thunderstorm moved southeast through Greenwood County and hit Eureka with 80 to 90 mph winds at 1953CST. A sheriff's patrol car was blown off the road, seven power poles were downed just north of town and trees and roofs had extensive damage. The storm continued southeast and struck Fall River Reservoir with winds in excess of 60 mph at 2030CST. Little damage was done there, however.
Hyandotte and Johnson Counties	06 2030CST								0 0 5 0 Lightning, Wind	A severe thunderstorm produced winds estimated at 60 mph that blew down power lines near the Kansas River in Kansas City at 2030CST. Lightning struck an electrical transformer and the resultant power surge set fire to a home in Lenexa. The fire burned from the basement through the roof and left the home a near total loss.
Pittsburg, Crawford County	06 2220CST								0 0 3 0 Wind	Several businesses in downtown Pittsburg sustained minor roof damage when a severe thunderstorm packing strong wind passed over the town.
Baxter Springs, Cherokee County	06 2235CST								0 1 3 0 Wind	Strong winds preceded a severe thunderstorm that hit Baxter Springs. Several trees were uprooted and a good deal of roof damage was done. A man riding a motorcycle sustained injuries that required hospitalization when a tree limb fell on him.
Washington County	07 Morning								0 0 4 4 Flood	Thunderstorms dropped an average of 2 inches of rain over an area already near saturation from earlier storms. Runoff sent the Little Blue River out of its banks and flooded a good deal of low-lying agricultural ground. The river crested 5 feet above flood stage at Bames at 0700CST.
Goodland, Sherman County	07 1916CST								0 0 3 0 Wind	The Goodland Weather Service Office measured a thunderstorm wind gust of 68 mph. Several trees were damaged in town, but little other damage resulted.
Southern Marshall and Northern Pottawatomie Counties	09 1630-1830CST								0 0 4 4 Hail, Wind	A severe thunderstorm took shape over southwest Marshall County west of Waterville, and then moved southeast through Onaga. Golf-ball size hail fell in Waterville at 1640CST, in Blue Rapids at 1655CST and in Onaga at 1820CST. Wind gusts estimated at 60 mph struck Blaine at 1750CST.
Longford, Clay County	09 1900CST								0 0 5 0 Lightning	Lightning set fire to a rural home south of Longford and burned it to the ground.
Emporia, Lyon County	12 1500CST								0 0 4 0 Wind	Thunderstorm wind gusts estimated at 50-60 mph damaged a home and several farm outbuildings 5 miles north of Emporia.
Troy, Doniphan County	12 1530CST								0 0 4 4 Wind	A severe thunderstorm with gale force winds hit the Troy area at 1530CST. Several trees were knocked down and some corn was flattened.
Logan and Phillipsburg, Phillips County	13 1830-1910CST								0 0 5 6 Hail, Wind	A severe thunderstorm formed just southwest of Logan and spread damaging winds and large hail northeast through Phillipsburg. Golfball and larger hail and winds in excess of 70 mph hit just east of Logan at 1830CST and in Phillipsburg at 1855CST. Worst damage occurred in a strip about 4 miles wide that extended 7 miles east-northeast of Logan. Hail knocked out windows and mowed down all crops in that strip, and winds broke off a number of power poles. Hail drifts as deep as three feet blocked Highway 9 east of Logan, and it took graders to clear it.

KANSAS

Wabaunsee, Morris, Lyon and Greenwood Counties	17 1700-2130CST	80	12 mi.	1	6	6	4	Wind, Hail	A severe thunderstorm formed rapidly over the southwest corner of Wabaunsee County near Alta Vista, and moved south through Emporia and Eureka. The storm dropped at least 3 tornadoes (listed separately) and caused extensive wind damage throughout its path. The Thunderbird Estates Mobile Home Park 3 miles west of Emporia was hit with 80 mph winds at 1830CST. One man was killed and 5 others injured when the winds destroyed 13 mobile homes and damaged another 30. A man was also injured when he was thrown from his mobile home northwest of Olpe about 1845CST. The wind destroyed 5 mobile homes northwest of Olpe. Power poles designed to withstand 100 mph winds were knocked over between Thunderbird Estates and Olpe. The severe downburst winds laid down a nearly continuous path of damage 1-2 miles wide from northwest of Emporia near Americus, south 60 miles to south of Eureka near Severy. A list of severe reports follows: 1735CST 3/4 inch hail at Allen 1815CST 1 inch hail at Emporia 1830CST 80 mph wind 3 miles west of Emporia 1930CST 1 inch hail at Emporia 1958CST 60-70 mph wind at Hamilton 2108CST 60 plus mph wind at Eureka	
Alta Vista, Wabaunsee County	17 1718CST	2	50	0	5	0	0	Tornado (F3)	A tornado reached to the ground near the Wabaunsee-Morris County border about 6 miles southeast of Alta Vista. It remained on the ground 2 miles as it cut a path to the south-southeast. The storm destroyed one farm home and several barns. Four people rode out the storm in the northwest corner of the basement of the destroyed home, and escaped with only minor scratches and bruises.	
Bushong, Lyon County	17 1723CST	Short Narrow	0	0	0	0	0	Tornado (F0)	A tornado touched ground for a short time in open country about 4 miles north of Bushong.	
Topeka, Shawnee County	17 1800CST				1	0	2	0	Lightning	A man was struck by lightning and killed while working outdoors just west of Topeka.
Emporia, Lyon County	17 1828CST	Short Narrow	0	0	0	0	0	Tornado (F0)	A tornado touched down less than a minute about 4 miles northwest of Emporia.	
Topeka, Shawnee County	17 1840CST				0	0	0	2	Hail	Hailstones 3/4 inch in diameter fell near Lake Shawnee in southeast Topeka.
Kansas City, Wyandotte County	17 2000CST				0	0	4	0	Hail	Inch diameter hailstones fell just west of downtown Kansas City, Kansas.
Fredonia, Wilson County	17 2145CST				0	0	4	0	Wind	Thunderstorm winds in excess of 60 mph blew signs down, uprooted trees, destroyed several outbuildings and blew windows out of two homes in Fredonia.
St. Paul, Neosho County	17 2206CST				0	0	2	0	Wind	Thunderstorm winds estimated at 60 mph hit St. Paul. Very little damage resulted.
Melrose, Cherokee County	17 2330CST				0	0	3	0	Wind	Thunderstorm winds estimated at 55 to 60 mph caused minor roof and tree damage at Melrose.
Altamont and Oswego, Labette County	17 2345-2358CST				0	0	5	0	Wind	An east-moving severe thunderstorm struck the area just northwest of Altamont at 2345CST. Winds lifted a garage off the ground and destroyed it, and a mile of power poles was flattened. Winds from the same storm blew a barn into a home just west of Oswego at 2358CST.
Southwest Kansas	18 1800-2330CST	180	40 mi.	0	0	5	3	Wind	A line of severe thunderstorms entered southwest Kansas west of Syracuse and produced strong wind gusts in an area about 40 miles wide as it moved toward Medicine Lodge. Only minor damage resulted from the wind for the most part but a strong downburst destroyed a good sized building in Pratt. A list of spots that had estimated wind gusts of 60 to 70 mph follows: 1812CST Near Coolidge 1910CST 2 miles south of Lakin 1922CST 10 miles west of Garden City 2050CST At Jetmore 2110CST Near Ford 2145CST At Greensburg 2145CST At Kinsley 2240CST At Pratt 2313CST 3 miles north of Coldwater 2325CST North of Medicine Lodge	

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
KANSAS									
McPherson, McPherson County	18-19	2330-0030CST			0	0	3	0	Wind
A severe thunderstorm moved northwest to southeast across McPherson County. A wind gust of 80 mph was recorded at the McPherson Airport at 0002CST. Damage was limited to trees and a few broken windows.									
Ford, Ford County	21	1945CST			0	0	3	0	Wind
A thunderstorm produced wind gusts estimated at 80 mph in Ford. Only minor damage resulted.									
Clark County Lake, Clark County	21	2000CST			0	0	3	4	Flooding
A nearly stationary thunderstorm dropped 4 to 5 inches of rain north of Ashland around Clark County Lake. The rain fell in just 2 hours and caused minor flash flooding.									
North Central to Southeast Kansas	21-25	Evening-Aftn			0	0	5	6	Heavy Rain, Flooding
Heavy rains of 3 to 6 inches fell upon an area about 50 miles wide centered on a line from Stockton to Lindsborg, Emporia and Parsons the evening of the 21st through the morning of the 22nd. The precipitation fell upon land already nearly saturated by earlier rains and caused a good deal of flooding. Streets were flooded for a short time in Ellsworth, and Highway 14 north of town was closed by high water for a while during the early morning hours on the 22nd.									
The most significant flooding occurred in southeast Kansas along the Cottonwood River from Plymouth to Emporia and on the Neosho River downstream from John Redmond Reservoir. Both rivers crested 5 to 7 feet above flood stage and overflowed onto adjacent lowlands. A considerable amount of farmland was flooded, but there was little property loss. Crests for points along both streams follow:									
					Cottonwood River	Flood Stage			Crest, Date & Time
					Cottonwood Falls	9			11.0 8/23 AM
					Plymouth	28			33.7 8/23 3AM
					Emporia 1 South	20			24.5 8/24 9AM
					Neosho River				
					Leroy	23			24.0 8/22 10PM
					Iola	20			26.4 8/22 11PM
					Chanute	23			29.8 8/24 6AM
					Parsons	18			22.7 8/25 Noon
					Oswego	17			23.0 8/25 10AM
Oskaloosa, Jefferson County	22	0345CST			0	0	4	0	Lightning
Lightning set fire to a rural home northwest of Oskaloosa. Considerable damage was done to the structure and contents.									
Hutchinson, Reno County	23	1400CST			0	0	4	0	Tornado (F0)
An area of strong, updraft winds, apparently a tornado associated with local showers, caused an unusual amount of damage in west Hutchinson. Although no thunderstorm was present, the vortex occurred under a cloud base. There was tree and power line damage, and at least a dozen cars had windows blown out due to a large pressure drop. A building across the street from the cars had several tiles sucked out from beneath the roof overhang, while the roof itself was not disturbed. Surface winds in the area were estimated at about 40 mph, but an eye witness reported seeing an American flag "flying straight up" from the flagpole. Debris from the storm (grass, twigs, small stones, dirt, etc.) was deposited in a parking lot some two blocks away from the damage site.									
Burr Oak and Mankato, Jewell County	24	0135-0230CST			0	0	4	3	Wind, Hail
A severe thunderstorm moved southeast out of Nebraska and across Jewell County. Strong winds damaged trees in Burr Oak at 0141CST. The winds damaged several farm buildings and some crops 2 miles northwest of Mankato at 0210CST. Hailstones 3/4 inch in diameter fell in Mankato at 0213CST.									
Saline and Southwest Ottawa Counties	24	0400-0530CST			0	0	5	3	Wind, Hail
A severe thunderstorm developed over southwest Ottawa County near Tescott and moved toward Salina. The storm dropped walnut size hail in Tescott at 0400CST. Winds estimated at 60 to 70 mph and marble to golfball size hail hit a mobile home park 8 miles west-northwest of Salina at 0508CST. Two mobile homes were destroyed at the park and a camper was overturned.									
SPECIAL HAIL SUMMARY									
Kansas-Oklahoma Hail Loss Service reports indicate hail was especially damaging to crops in the listed counties on the following dates:									
06	Brown, Pratt, Marshall, Stafford, Washington								
09	Washington								
13	Lane, Sheridan, Thomas								
24	Haskell								
15 KENTUCKY									
Hickman County	10	0930-1000 CST			0	0	5	0	Thunderstorm Wind
Thunderstorm winds to 50 mph destroyed the New Harmony Baptist Church in Clinton. The church was still under construction, but nearly finished. Other damage in Clinton included: a few grain bins were blown over, some farm machinery was damaged, and several large trees were uprooted.									
Crittenden County	24	0200 CST			0	0	3	4	Lowland Flooding, Lightning
Some street flooding was reported in Marion, caused by a thunderstorm deluge of 5 to 7 inches of rain. Damage was substantial to several Crittenden County farmers. Lowland field flooding of 7 to 10 feet covered corn and soybean crops. Hogs were reported washed out the mouth of a nearby creek and fences were torn out in the lowland by rushing water. Lightning knocked out power and started a house fire on Leland Avenue in Marion.									
Jefferson County	30	1455 EST			0	0	1	1	Hail
Hail, 3/4 inch in diameter, was reported 5 miles east of Louisville.									
Jefferson County	30	1455 EST			0	0	1	1	Hail
Hail, from 1/2 inch to golfball size, fell at Bowman Field, 4 miles northeast of Louisville.									
Jefferson County	30	1500 EST			0	0	2	2	Hail
Hail, one inch in diameter, was reported 5 miles east of Louisville.									
Jefferson County	30	1505-1520 EST			0	0	2	2	Hail
Hail, 1 to 1 1/2 inches in diameter, fell at Fern Creek, 8 miles east-southeast of Louisville.									
Oldham County	30	1550 EST			0	0	1	1	Hail
Dime size hail was reported at Buckner.									
Nelson County	30	1600 EST			0	0	0	5	Severe Hail
Hail, the size of golfballs, fell in the Bardstown area. The hail did tremendous damage to the shoulder-high tobacco crop. The hail left leaves hanging like limp rags and left the crop full of holes. The hardest hit area was Cox's Creek and Woodlawn.									
Marion County	30	1705 EST			0	0	3	0	Thunderstorm Winds
Trees were blown down in areas of central Marion County. Trailers were blown over in Lebanon, 45 miles southeast of Louisville.									
Graves County	30	1745 EST			0	0	3	5	Hail, Lightning
Hail, up to golfball size, severely damaged or destroyed the burly tobacco crop in a one mile area around Lynnville. Lightning struck several trees, splitting them, and damaged 2 homes.									
Crittenden County	30	1950CST			0	0	0	3	Hail, Winds
Marble size hail accompanied by 45 mile per hour winds occurred at Marion.									
Muhlenberg County	30	2000CST			0	0	3	2	Hail, Winds, Flooding
Marble sized hail fell at Central City. High winds uprooted several trees and blew off the roof of a trailer on Highway 70. Heavy rains flooded several low-lying areas.									
Marshall County	30	2055CST			0	0	0	2	Hail
Marble size hail fell at Symsonia.									
Marshall County	30	2120CST			0	0	5	2	Thunderstorm Wind
Winds to 50 MPH demolished a lumber warehouse, valued at \$45,000, at Calvert City. Trees were uprooted, powerlines were downed, telephone poles were broke, roofs were damaged, and plate glass windows were shattered.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
16 LOUISIANA									
Jefferson Parish	01	1425CST	0.1	20	0	0	4	0	Tornado (F1)
									A small tornado tore off the roof of an apartment building near Gretna. In addition, it sheared off some shingles from a neighboring two story home.
Acadia Parish	02	1630CST	0.7	35	0	1	4	?	Tornado (F1)
									A small tornado damaged a trailer and injured its owner near Rayne. In addition, the tornado did \$13,000 damage to an electric transformer and broke some telephone poles.
Beauregard Parish	03	1540CST			0	1	?	?	TSTM - Lightning
									A 55 year old Dequincy man was knocked unconscious by a lightning bolt which struck a nearby tree.
Allen Parish	03	1600CST			0	0	?	?	SVR TSTM - Wind
									A severe thunderstorm uprooted trees and damaged roofs in Kinder.
Lafourche Parish	06	1430CST			0	0	?	?	TSTM - Heavy Rain
									A thunderstorm dumped 4.5 inches of rain in Lockport in one hour, flooding streets, carports and garages.
Tangipahoa Parish	06	1600CST			0	0	4	?	SVR TSTM - Wind
									A severe thunderstorm ripped off the roof of a mobile home and downed many trees in Pontchatoula.
West Baton Rouge Parish	06	1635CST			1	0	0	0	TSTM - Lightning
									A 23 year old Port Allen man was killed by lightning.
Washington Parish	06	1730CST			0	1	0	0	TSTM - Lightning
									A housewife from Pine was knocked unconscious for 90 minutes after being struck by lightning.
Lincoln Parish	07	1330CST			0	0	4	?	SVR TSTM - Winds- Lightning
									A severe thunderstorm downed and uprooted trees near Ruston. One tree fell on top of a car. Lightning caused a fire which did \$35,000 damage to a home.
Ouachita Parish	07	1335CST			0	0	3	?	SVR TSTM - Winds
									A severe thunderstorm downed and uprooted trees in Monroe. One large tree fell on top of a car.
Vernon Parish	07	1600CST			0	0	?	?	SVR TSTM - Wind
									A severe thunderstorm uprooted a pecan tree which fell and damaged a porch roof and chain link fence in Leesville.
Natchitoches Parish	07	1620CST			0	0	0	?	SVR TSTM - Winds
									A severe thunderstorm downed numerous trees northeast of Marthville.
Evangeline Parish	07	1945CST			0	0	?	?	SVR TSTM - Winds
									A severe thunderstorm broke power poles, downed large trees and smashed a plate glass window in Basile.
Calcasieu Parish	07	2015CST			0	0	?	?	SVR TSTM - Wind
									A severe thunderstorm damaged a business' roof in Lake Charles.
Morehouse Parish	11	1525CST	0.2	25	0	0	4	?	Tornado (F1)
									A small tornado destroyed a mobile home and damaged trees and roofs of nearby homes near Bastrop.
Evangeline Parish	11	1540CST			0	0	5	?	TSTM - Lightning
									Lightning destroyed a wood frame house near Ville Platte.
Southern and Central Louisiana, including all coastal areas	15	0200CST -1630CST			0	7	7	7	Hurricane Danny
									The eye of Hurricane Danny made landfall near Pecan Island in Vermillion Parish around 1000CST. Danny was a Saffir/Simpson Category 1 Hurricane (winds 74-95 MPH). Danny's center moved north-northeast around 15 MPH through Acadia, Evangeline and Rapides Parishes. Danny damaged about 38,000 acres of crops valued between \$10 to \$13 million. Public and private losses were \$7 to \$10 million. 78 homes sustained major damage; 173 had minor damage. There was one injury in Vermillion Parish when a person was caught inside a mobile home that blew over. Six people were hospitalized with injuries after being rescued by the Coast Guard from their sinking 41 foot sail boat near Timbalier Island. The storm surge eroded between 10 and 15% of the barrier islands' land area. The erosion was most damaging in Terrebonne and lower Jefferson Parishes.

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— LOUISIANA									
Jefferson Parish	15	0240CST	0.7	20	0	0	5	0	Tornado (F1)
									A small tornado took off the roofs from two buildings which were about 0.7 mile apart in Grand Isle. Damage was estimated between \$25,000 to \$30,000. The storm surge plus wave action destroyed a 100 foot section of the Grand Isle State Park pier (\$20,000 loss). In addition, the shore line was eroded 60 to 100 feet at the park. 7.8 million cubic feet of sand was washed away from the Grand Isle Hurricane protection levee (\$300,000 - \$400,000 loss).
Lafourche, Plaquemines Parishes									Between 0300-1100CST, storm surge flooding damaged homes and fishing camps at Golden Meadow, Galliano Fourchon and Leeville. 75 feet of beach was eroded at Fourchon. 3 to 4 feet of storm tides flooded portions of lower Plaquemines Parish from Empire to the mouth of the Mississippi River that were outside the levee system. Large trees were blown down or uprooted in Raceland, Thibodaux and Lockport.
Vermillion Parish									Gale force winds began around 0200CST. The eye of Danny moved onshore near Pecan Island around 1000CST. Overall, 23 homes were damaged; 7 mobile homes were damaged or destroyed. Storm surge flooding put up to 3 feet of water in the Intracoastal City-Henry area. In Intracoastal City, 30 businesses were flooded, and a kerosene tank was buckled by the storm surge waters. In Abbeville, winds gusting up to 114 MPH blew off a school's roof (\$60,000 loss). In Kaplan and Gueydan, roofs were torn off homes and mobile homes were destroyed. One person was trapped in a trailer which the wind rolled and tossed about 60 feet. The winds uprooted and downed numerous large trees throughout the parish.
Cameron Parish	15	1145CST	0.7	20	0	0	4	?	Tornado (F1)
									A small tornado formed just south of Hackberry. The tornado damaged two trailers. Strong winds swamped a shrimp boat in the Calcasieu River near Cameron. Some moderate storm surge damage was noted near the mouth of the Mermentau River, the Rockefeller Refuge and Chenier au Tigre.
Calcasieu, Jefferson Davis, Acadia, Lafayette and St. Martin Parishes									Between 1130-1330CST, strong winds uprooted trees and destroyed an airplane hangar near Iowa. Falling trees crushed cars in Lake Charles and Sulphur. Many large trees were uprooted or downed in the Welsh-Lake Arthur area. Strong winds damaged a school's roof in Rayne while large, uprooted oak trees blocked streets in Crowley. In Lafayette, strong winds blew a large oak tree on to a home around 1130CST. Large oak trees fell on top of homes, a church and a car in St. Martinville and Breaux Bridge.
Allen, Evangeline and St. Landry Parishes									Between 1300-1530CST, \$3,000 damage was done by strong winds to a warehouse roof in Jennings. In Church Point, a large barn was destroyed and a mobile home was overturned. Large oak trees fell on a home and a trailer in Kinder. Several buildings and trees suffered damage in Mamou and Ville Platte. In Opelousas, numerous large trees were uprooted; one fell on top of a home.
St. Bernard Parish	15	1430CST	0.2	18	0	0	0	0	Tornado (F0)
									A small tornado was sighted about 2 miles north of Reggio over the marsh. No known property damage was observed. Tidal flooding made State Highway 46 near Hopedale impassable.
St. Tammany									Two heavy squalls dumped about 5.5 inches of rain on Slidell by 1300CST. This made streets impassable and flooded about a dozen homes in south Slidell. In addition, strong winds blew down trees on top of a house roof, mobile home and a car. Wave action destroyed a \$5,000 pier in lower St. Tammany Parish near Slidell. Storm surge waters from Lake Pontchartrain closed low-lying roads in Madisonville and Mandeville.
Rapides Parish									Strong winds blew down large trees and a business suffered roof damage around 1630CST. In addition, 3 to 4 inch rain flooded some streets.
Livinston Parish	23	1543CST			0	0	?	?	SVR TSTM - Wind
									A severe thunderstorm blew down a large pecan tree on top of a truck near Denham Springs.
Morehouse Parish	24	1400CST			0	0	?	?	SVR TSTM - Wind
									A severe thunderstorm damaged a hangar's roof near Oak Ridge.
Beauregard Parish	25	1610CST			0	0	?	?	SVR TSTM - Wind
									A severe thunderstorm damaged a roof, shed and some trees just south of Deridder.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
16 LOUISIANA									
Calcasieu Parish	25	1839CST	0.7	25	0	0	?	?	Tornado (F1)
									A small tornado damaged trees, power lines, a shed and the roof of a mobile home four miles north of Starks.
17 MAINE									
Jay, Franklin County	8	1615EST			0	0	4	0	Lightning
									Around 1630EST, in Jay, a thunderstorm generated a lightning bolt that struck a transformer, travelled into a house and followed the ground wire to the garage 50 feet away. The lightning knocked a large hole in the side of the garage, melted some of the vinyl siding, and sheared off the top of the foundation.
Lewiston & Auburn, Androscoggin County	11	1830EST			0	2	4	0	Lightning
									A thunderstorm swept through the Twin Cities early Sunday evening, leaving in its wake downed trees and power lines and widespread power outages. Two Lewiston teenagers were hospitalized in the intensive care unit after lightning struck a pine tree under which they were sitting. Lightning also struck other trees, electrical poles and transformers, causing three transformer fires.
Farmington, Franklin County	15	1800EST			0	0	4	0	Lightning
									An electrical storm caused heavy damage to the steeple of the Henderson Memorial Baptist Church in Farmington. The lightning bolt ripped one section of the steeple completely away and hurled it at least 100 feet away, landing in the church parking lot.
Central Maine; Somerset, Kennebec & Franklin Counties	15	1900EST			0	0	4	0	Thunderstorm
									Heavy downpours and frequent lightning triggered widespread power failures in Fairfield (Somerset County), Farmington (Franklin County), Belgrade, North Waterbury, Clinton and East Vassalboro (Kennebec County). Six fires broke out in trees in Waterville, and Oakland had one grass fire. These were all lightning-induced fires. Heavy downpours caused scattered street flooding in Waterville and Farmington.
Peru, Oxford County	15-	Evening			0	2	4	0	Lightning
	18								A lightning bolt from a thunderstorm struck a tree in the Green Woods section of Peru. The smoldering tree was not discovered until a pilot saw it Friday afternoon. Only 4 acres burned, but the stubborn fire went underground, causing many problems for firefighters. Water drops from the State Forestry helicopter were also used to fight the blaze over the rough terrain. The extremely dry conditions also aided the fire.
Portland, Rockland, Southwest Harbor, Cumberland, Knox, and Hancock Counties	31	Late evening			0	0	5	0	Northeaster
									A northeaster produced rough seas and gusty winds, and kept the Coast Guard busy. Winds gusted to 45 knots and seas were running 8 feet high. The Coast Guard reported 15 to 20 vessels in the Portland area (Cumberland County) broke from their moorings. Two were destroyed as they crashed against the rocky shoreline. Meanwhile, in the Rockland (Knox County) - Southwest Harbor area (Hancock County), one vessel was sent to the bottom, another destroyed and a third was beached.
18 MARYLAND and D.C.									
St. Marys County	18	1700-2000EST			0	0	5	0	Flash Flood
									Hurricane Danny made landfall over the central Gulf coast on Thursday, August 15 then weakened as it moved northeast, reaching North Carolina on Sunday, August 18. The remnants of Danny triggered torrential rains that evening. Hollywood received six inches of rain between 1720 and 1945 EST, but over ten inches (10.49) fell over the weekend. The heaviest rains occurred in the northern part of the county. There were 7.65 inches in Scotland, 5.69 in Tall Timbers, 5.35 in Compton, 5.23 in Mechanicsville, and 5.12 in Budd's Creek. At least fourteen roads flooded, the worst being Route 243 at McIntosh Run. Foundations washed away, basements collapsed, and walls caved in. Driveways were severely eroded. Some cars were flooded.
Kent County	30	1430EST			1	0	0	0	Lightning
									Lightning struck and killed a 28 year old Rock Hall man as he attempted to start a motor on a boat in the Chester River.
Talbot County	30	1720-1730EST			0	0	5	0	Thunderstorm
									A line of prefrontal thunderstorms moved south across the Delmarva Peninsula Friday evening. A severe downburst associated with this line moved in from the Miles River and heavily damaged the Martingham Harbortown Inn near St. Michaels. Winds estimated in excess of 80 mph blew 80% of the roof off one wing of the inn, damaged seven cars, and downed trees and shrubs. The siding of a second building was damaged by airborne debris from the first. Numerous outdoor benches were tossed about and destroyed.
19 MASSACHUSETTS									
Worcester to Boston; Worcester County, Middlesex County, Suffolk County	01	Morning			0	0	6	0	Heavy Rain and Flooding
									Torrential downpours of rain, which began in the Worcester area during the evening of July 31st, spread eastward to Boston during the early morning hours of August 1st. Although the heavy rain was over in the Worcester area, major flooding problems continued. The Worcester Centrum was flooded with water three to four feet deep, causing heavy damage. Dollar estimates later ranged between \$600,000 and \$900,000. All low-lying areas around Worcester and eastward reported heavy flooding with many streets impassable. In the area of the Centrum there were at least thirty cars up to their roofs in flood water. As the area of heavy rain moved eastward, the Massachusetts Turnpike and communities and roadways along it experienced flooding. At Logan Airport, Boston, the National Weather Service measured 2.03 inches of rain in just one hour between 0100 and 0200EST. This was the second greatest hourly rainfall amount on record for Boston, exceeded only by 2.10 inches, July 10, 1955. The total amount of rainfall at Boston for the fourteen hour period beginning at 1300EST, July 31st, and ending at 0300EST, August 1st, was 4.63 inches. Heavy flooding occurred on many roadways in Brookline, Boston, Chelsea, Revere, and nearby areas. Storrow Drive was closed for twelve hours because of 10-foot deep water, soil, and sewerage. Part of the metropolitan transit system was shut down and numerous basements were flooded, resulting in undetermined amounts of damage. Power failures occurred when underground circuits were flooded out.
Lenox, Berkshire County	07	2115EST			0	0	2	0	Downburst Wind
									A very strong wind roared through a portion of the outdoor music center at Tanglewood. The wind was accompanied by brief heavy rain, but no thunder or lightning. A small building was damaged and a six foot fence knocked down. Several large trees were uprooted and many limbs and branches blown down.
Franklin County (Gardner area)	15	1935EST-2000EST			0	0	2	0	Lightning, Wind, Heavy Rain
									A heavy thunderstorm moved through the area, bringing 1.6 inches of rainfall during a short period. Scattered power outages were the result of downed tree limbs and the lightning. Generally minor damage resulted from the lightning strikes, including blown fuse boxes and a blown out television set. Power outages were reported in Greenfield and twelve surrounding towns.
Southern Bristol, Southern Plymouth, and Barnstable Counties	25-26	Morning- Noon			0	0	3	0	Heavy Rain and Flooding
									A twenty-four hour rainfall of 5.9 inches was recorded at Sandwich on Cape Cod between 0800EST, August 25th, and 0800EST, August 26th. Total amounts of 2 to 4 inches of rain were quite common over the southern portion of Bristol and Plymouth Counties and over Cape Cod. Flooded streets and basements occurred throughout the area. In Falmouth, the contents of some basements in the business area were flooded and damaged when 2 inches of rain fell in only one hour and forty-five minutes, (0700EST-0845EST, August 26th). Other places experienced similar rates of rainfall. At Fall River, the rainfall totaled 6.54 inches during a twenty-four hour period.
Southern Bristol & Southern Plymouth Counties	30				0	0	5	0	Heavy Rain and Flooding
									For the second time in a week the same area was affected by torrential rainfall and flooding. From Fairhaven to Somerset firefighters rescued motorists stranded in three to four feet of water along low-lying roadways. All of the city of New Bedford experienced heavy flooding. Thousands of basements and some lobbies of downtown businesses were flooded. Many damage estimates were not known, but this area had a total rainfall for August of between 12 and 14 inches.
20 MICHIGAN									
Union City, Branch County	06	0500EST					4		Lightning
									A house was destroyed by a lightning-caused fire.
South Central Lower Michigan	14	2000-2345EST					5		Thunderstorms
									Events occurred by county and time as follows: Calhoun, 2000-2100EST: A large tree was downed, damaging a house. A widespread, minor power outage occurred. Ingham, 2045-2145EST: A house near Fitchburg was destroyed by a lightning-caused fire. 100 acres of crops and 10 greenhouses were destroyed by hail. Winds created a narrow path of damage south of Leslie. Livingston, 2215-2300EST: A widespread power outage occurred. Lenawee, 2300-2345EST: Lightning caused a minor house fire in Jasper. Heavy rain caused a roof to partially collapse in Adrian. Insignificant effects of this storm complex were reported in Barry, Branch, Oakland and Washtenaw Counties.
Harsens Island, St. Clair County	17	1220EST					1		Lightning
									A man launching a boat was seriously injured by lightning.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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

MICHIGAN

Southeast Lower Peninsula	18	1000-1100EST							4	Thunderstorms
<p>Events occurred by county and time as follows:</p> <p>Oakland, 1000-1045EST: A 50 mph wind gust flipped a small plane at the Pontiac Airport. A widespread power outage occurred. 2 houses were set afire by lightning.</p> <p>Wayne, 1015-1100EST: A 51 mph wind gust flipped 2 small aircraft at the Detroit City Airport. Minor wind damage occurred to structures.</p> <p>Insignificant effects of this storm complex were reported in Berrien, Kalamazoo, Huron, Tuscola, Sanilac, Macomb, Livingston and Washtenaw Counties.</p>										
Area bounded by Ann Arbor, Wyandotte, and Dundee	21	1330-1340EST								Funnel Clouds
<p>At least 12 separate funnels were reported by about 50 observers, including 3 airport tower controllers and about 10 trained severe local storm spotters. The funnels were pendant to a stratocumulus deck in a cold air mass.</p>										
Jenison, Ottawa County	24	midday							6	Lightning
<p>A church was destroyed by a lightning-caused fire.</p>										
Northeast Lower Michigan	26	1145-1330EST							5	Thunderstorms, Flash Flood, Funnel Clouds
<p>Heavy rain fell on Alcona and northern Iosco Counties, causing a flash flood on the East Branch of the Pine River near Killmaster and Gustin. Two bridges and 14 culverts were destroyed, and several roads were washed out. Several downstream roads were flooded, and the level of Van Ettan Lake rose, damaging waterfront property.</p> <p>Funnel cloud reports by time and location were as follows:</p> <p>1145EST; Edenville, Midland County (minor lightning damage in the vicinity)</p> <p>1153EST; 5 E Harrison, Clare County</p> <p>1200EST; 5 WNW Beaverton, Gladwin County</p> <p>1240EST; 8 E Beaverton, Gladwin County</p>										
7 SE Kalkaska, Kalkaska County	26	1545EST								Funnel Clouds
<p>4 funnel clouds were sighted over a forested area.</p>										
Central Lower Peninsula	26	1728EST								Funnel Clouds
<p>Funnel cloud reports by time and location were as follows:</p> <p>1728EST; Clinton and Ingham Counties (Two funnel clouds seen from Capital City Airport were followed across the north part of Lansing and East Lansing to Haselett where they dissipated.)</p> <p>1735EST; 10 N Lansing, Clinton County</p> <p>1742EST; 5 SE Cadillac, Wexford County</p> <p>1807EST; near Marion, Osceola County</p>										

MINNESOTA

North	09	0220-0630CST								0 1 5 5	Wind
<p>Thunderstorm winds caused a large area of damage from southeast Norman and northwest Becker Counties across Mahanomen, central Clearwater, southeast Beltrami, northwest Itasca, a large portion of Koochiching and northwest St. Louis Counties. Numerous trees were uprooted or knocked down. Trees fell on buildings, knocked down power lines and blocked roads. Winds tore off roofing material, bent television antennas and road signs, rocked homes and damaged crops. In Ogema, 50 homes were damaged at 2:20 a.m., and in nearby White Earth a trailer home was blown over. The winds passed through Bagley at 3:00 a.m. CST, damaging carnival rides and equipment and injuring a carnival worker. The roof was ripped off a bowling alley in Black Duck. A trailer home was overturned 8 miles west of International Falls and at 4:33 a.m. CST a gust of 60 miles per hour was recorded in International Falls. Four airplanes were damaged 8 miles east of International Falls. Three airplanes were overturned and the wind ripped the wing of one airplane loose.</p>											
Olmsted County	09	1533CST								0 0 0 0	Hail
<p>Hail 1/2 to 3/4 inch in diameter fell near Chester.</p>											
St. Cloud (Stearns County)	12	0048CST								0 0 3 0	Lightning
<p>Lightning struck and damaged a home in St. Cloud.</p>											
Bloomington (Hennepin County)	12	0400CST								0 0 3 0	Lightning
<p>Lightning struck and damaged a home in Bloomington.</p>											
Northwest	16/17	2040-0010CST								0 0 5 ?	Wind, Hail, Heavy Rain
<p>Thunderstorms passed through Norman and Polk Counties northeast into Beltrami County with strong winds, hail and heavy rain. Hail was described as quite jagged and damaged automobiles and crops. One inch hail fell in Crookston at 2058 CST. Three-fourths inch hail was reported to cover the ground at Fertile at 2105 CST, and one inch hail was again reported at Fertile at 2140 CST. Erskin received golfball size hail at 2137 CST. Downed trees, a demolished garage, broken windows, several destroyed quonset huts and damaged roofs occurred along a damage path from Beltrami in southwest Polk County through Erskine to Gully. In Hill River Township of Polk County, a heavy cement culvert was washed far down a stream bed, leaving a gully 15 feet deep across a county road.</p>											
Edgerton (Pipestone County)	28	1230CST								0 0 4 0	Lightning
<p>Lightning hit a grain bin and jumped to an adjacent home. The main interior was gutted by fire.</p>											
Martin County	28	1600-1637CST								0 0 3 0	Wind
<p>Thunderstorm winds destroyed several outbuildings and caused minor damage to a farm house near Sager Lake in Fairmont Township. Trees were also knocked down at the farm site and a trailer was carried 30 feet by the wind. At 1637, a gust of 71 miles per hour occurred in Fairmont.</p>											
Blue Earth (Faribault County)	28	1737CST								0 0 4 0	Lightning
<p>Lightning hit and destroyed a historic round barn at the Faribault County Fairgrounds.</p>											
Itasca County	31	1206-1225CST								0 0 0 0	Hail
<p>Hail 7/8 inch in diameter fell over Max and Inger.</p>											

21 MINNESOTA

Olmsted County	06	1230CST								0 0 4 0	Wind
<p>Thunderstorm winds stripped 100 square feet of roof off a theater and tipped a trailer onto two cars in Rochester. A shed was also demolished just northeast of Byron.</p>											
Mower County	06	1300-1330CST								0 0 0 5	Hail, Wind
<p>Marble to golfball size hail and associated thunderstorm winds damaged crops in a 15 mile long and 2 mile wide band across central Mower County. The heaviest damage occurred near Elkton and Dexter.</p>											
Stevens County	07	1630CST								0 0 5 ?	Hail, Wind
<p>Hail and damaging thunderstorm winds moved south through central Stevens County west of Morris then turned southeast south of Morris toward Hancock. Most of the damage occurred 7 miles south of Morris and west of Highway 59 where hail 2 1/2 inches in diameter fell. Metal farm buildings were damaged and an irrigator was toppled. Several utility line poles were snapped between Morris and Benson.</p>											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED* DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
22 MISSISSIPPI									
Northeast and East Central Mississippi	1	1750CST-2040CST			0	0	4	?	Thunderstorm Winds
		A cluster of thunderstorms moved southward through portions of eastern Mississippi during the evening hours. The storms were accompanied by high winds causing sporadic damage, mainly to trees and power lines. Below is the chronological order of damage reports received.							
		1750CST-Chicasaw County..Several trees were blown down in the town of Houston.							
		1755CST-Lowndes County..Trees and power lines were blown down. High winds knocked out the north face of a tower clock at the Mississippi University for Women.							
		1800CST-Clay County..Extensive tree damage in the town of West Point.							
		1815CST-Oktibbeha County..Extensive tree damage in Starkville.							
		1840CST-Noxubee County..Trees and power lines down 10 miles east of Macon.							
		2020CST-Lauderdale County..Several trees down in Collinsville.							
		2040CST-Newton County..Trees downed 5 miles South of Union.							
Hinds County	6	1430CST			0	0	4	0	Lightning
		Intense and frequent lightning splintered trees and power lines across much of Jackson. Nearly 7,000 people were temporarily without power. One house and 1 mobile home were heavily damaged by lightning. Several buildings in downtown Jackson were also struck and damaged.							
Harrison County	15	0830CST			0	0	3	0	Thunderstorm Winds
		Trees and power lines were blown over by high winds in Pass Christian.							
Statewide	15	1700CST-16 1200CST			0	0	7	0	Tropical Storm Danny
		Tropical Storm Danny moved into south-central Louisiana on the morning of the 15th and then moved north-northeast to near Greenville, Mississippi around sunrise on the 16th. The storm system moved northeast into north-central Mississippi by 1200CST and rapidly weakened.							
		The hardest hit area of the state was along the coast. Rainfall up to 5 inches, high tides, and seas about 2 feet above normal caused flooding along much of the coast. Most of the flooding was restricted to streets and low-lying areas, but about 70 homes in Hancock County were flooded. Possibly the most costly effect of the tropical storm was beach erosion. An estimated quarter of a million cubic yards of sand was lost. Replacement of the sand along the coast will cost between 3 and 5 million dollars. Winds along the coast and over other portions of the state gusted between 30 and 50 mph. The winds caused numerous power outages throughout the state, mainly due to trees falling on power lines. Heavy rains, 2 to 5 inches, fell statewide, but no significant flooding was reported, except along the coast.							
Newton County	16	0630CST	4.5	175	0	0	5	0	Tornado (F2)
		A tornado developed east of Hickory and traveled rapidly north-northeastward. The tornado moved mainly through forested areas, but did manage to heavily damage 6 homes, 2 roofs and destroyed 1 mobile home. Three barns also sustained damage. Trees and downed power lines clearly marked the path of the tornado.							
Clarke County	16	0830CST	brief	30	0	0	3	?	Tornado (F0)
		A tornado touched briefly near Enterprise, knocking down mainly trees and power lines.							
Newton County	16	0915CST			0	0	2	?	Thunderstorm Winds
		High winds blew down trees and power lines east of Chunky.							
Jackson County	20	1430CST			0	1	0	0	Lightning
		An eleven year old boy in Gautier was mowing a lawn with his brother when he was suddenly struck by lightning. The brother was unaware that his brother had been struck until a neighbor saw the boy slumped against the lawnmower. The 17 year old brother performed CPR on his younger brother. Although the boy was unconscious for about 15 minutes, the boys life was saved due to his brother's knowledge of CPR.							
Attala County	20	2030CST			0	2	3	0	Lightning
		A woman and her daughter were sitting at a table in their residence in Kosciusko when lightning struck their house. The charge moved through the entire house and both women received cuts and bruises. The electrical wiring and several appliances in the house were heavily damaged.							
Jones County	23	1835CST			0	0	3	?	Thunderstorm Winds
		Several trees were blown down in southeast Jones County. At 1855 CST, trees and power lines were blown over in Laurel.							
Desoto County	24	1215CST			1	0	0	0	Lightning
		A group of people on Arkabutla Reservoir were boating and skiing. Thunderstorms developed rapidly in the area and a 15 year old boy, who was by himself in the front of the boat, was struck and killed by lightning. The driver of the boat became disoriented because of the storm and it was nearly 30 minutes later before the boat arrived back to the shore.							
Clay County	25	1400CST	brief	20	0	0	3	0	Tornado (F0)
		During a thunderstorm, a man living about 2 miles east of West Point observed a funnel cloud dip down and take the roof off his barn. After the tornado hit the barn, it quickly lifted back into the clouds. Two horses in the barn were unharmed.							

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	
MISSISSIPPI									
Newton County	25	1500CST-1800CST			0	0	5	?	Flash Flood, Hail
		A series of heavy thunderstorms moved across the town of Newton and in a three hour period, 5 inches of rain fell. A large number of homes, businesses, and churches in Newton received flood damage. The most severe flooding occurred at the Fire Department, South Main and at Northside Plaza. Dime sized hail fell in the town of Newton at 1508CST. Dime sized hail also fell at 1633CST in the southern part of Newton County.							
Lauderdale County	25	1615CST			0	0	?	?	Hail
		Dime sized hail fell 2 miles northeast of Meridian.							
Harrison County	26	945CST			0	0	0	0	Waterspout, Funnel Cloud
		A waterspout south of Long Beach dissipated before reaching the beach. A funnel cloud was sighted over Gulfport at 950CST.							
Hancock County	26	1135CST			0	0	0	0	Funnel Cloud
		A funnel cloud was observed north of Bay St. Louis without any reports of a touchdown.							
23 MISSOURI									
Montgomery County	6	1400CST			0	0	20	0	Damaging Wind
		Wind downed several trees in Wellsville.							
Wright County	6	2115CST			0	0	4	0	Damaging Wind
		Wind destroyed a mobil home and uprooted several trees in the Green Mountain area which is north of Mountain Grove.							
Cedar County	6	2230CST			0	0	4	0	Damaging Wind
		Wind produced scattered damage across the county. Trees and power lines were downed.							
Holt County	9	1745CST			0	0	5	0	Damaging Wind
		Wind blew over mobile homes, damaged roofs and downed several dozen trees across the county. Most of the damage was in the vicinity of Big Lake and at the Squaw Creek Refuge headquarters.							
Putnam County	9	2100CST			0	0	3	0	Damaging Wind
		Wind blew a roof off apatio at the south end of Lake Thunderhead.							
Scotland County	9	2230CST			0	0	4	0	Damaging Wind
		Wind produced damage to a carnival in Memphis, with the greatest damage to a ferris wheel estimated around \$5000.							
Genry County	12	1630CST			0	0	2	0	Damaging Wind
		Wind produced light damage to the southeast of King City.							
Newton County	13	1830CST			0	0	4	0	Damaging Wind
		Wind downed trees and damaged a building under construction in the northern edge of Neosho. One tree fell on a car.							
Franklin County	14	1700CST			0	0	3	0	Damaging Wind
		Wind demolished a barn and produced scattered light damage near New Haven.							
Adair County	21	1840CST			0	0	0	0	Large Hail
		Hail to 3/4 inch diameter at the Kirksville airport was reported.							
Monroe County	21	1930CST			0	0	4	0	Damaging Wind
		Several trees downed and hail to 1/2 inch diameter were reported near Stoutsville.							
Ralls County	21	1945CST			0	13	3	0	Damaging Wind
		A tent was collapsed by strong wind, hail and heavy rain at Center. Thirteen persons were admitted to the emergency room and one was reported as injured seriously.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
24 MONTANA									
Colstrip, Rosebud County	02	1500MST			0	0	6	2	Hail, Wind
			Strong winds and 3/4" hail caused extensive damage to automobiles, homes and recreational vehicles.						
Valley County	02	1800-1847MST			0	0	6	2	Heavy Rain, Wind, Hail
			5.42 inches of rain in western Valley County near Hinsdale washed out 100 feet of railroad track and sent water and mud over U.S. Highway 2, closing it for several hours. At Glasgow, 3 planes were destroyed, a hangar and 3 other planes damaged, trees were uprooted, some roofs were blown off, and sides of homes were damaged by 1/2 inch diameter hail and wind up to 61 MPH.						
Custer and Dawson Counties	02	1800-1900MST			0	0	4	2	Wind
			Winds of 75 MPH toppled trees and unroofed a few homes, mostly in the Miles City and Glendive areas.						
Billings, Yellowstone County	25	1830MST			2	0	4		Wind
			An apparent small microburst leveled two cottonwood trees and a barn. A cottonwood tree fell on a pickup, killing the two occupants.						
Yellowstone and Treasure Counties	29	1800-2000MST			0	0	5		Heavy Rain, Hail
			A large thunderstorm over eastern Yellowstone County and Treasure County washed out culverts on county roads and caused street flooding in Forsyth. Large hail broke out windows in Treasure County.						
25 NEBRASKA									
Dawes County	02	1624CST			0	0	2	0	Damaging Winds and Hail
			Sixty m.p.h. winds and small hail were reported 9 miles north of Chadron. Minor property damage was reported.						
Banner County	02	1821CST			0	0	0	0	Funnel Clouds
			Funnel clouds were reported south of Harrisburg.						
Kimball County	02	2005CST			0	0	2	3	Flash Flood
			Four and a half inches of rain fell near Kimball, and some small creek overflows occurred.						
Adams, Clay, Nuckolls and Thayer Counties	03	0200CST -0500CST			0	0	5	5	Flash Flood
			Four to seven inches of rain fell in the Little Blue Basin and parts of the lower Republican Basin. Soils were already moist and runoff from rains resulted in flooding which was very destructive to farmland, roads, bridges and several urban areas. Water was up to homes' windows at Holstein, and Crystal Lake recreation area flooded. Deshler had a dozen homes and two businesses flooded, and five feet of water in a city park. Two to three blocks were flooded in Hebron. Urban flooding also hit Dewesse and Angus. Some cattle drowned on farms. Flooding in the following days pushed the Little Blue 3 to 6 feet out of banks downstream into Jefferson County.						
Thayer County	03	0330CST			0	0	4	4	Damaging Winds
			Strong winds in a thunderstorm damaged buildings and broke tree limbs at Chester.						
Custer County	05	1540CST			0	0	?	?	Hail
			One and a half inch hail fell briefly near Westerville. No damage was reported.						
Dawson County	05	1625CST			0	0	4	4	Damaging Winds and Hail
			One and a half inch hail and strong winds damaged roofs and broke tree limbs in Gothenburg.						
Dawson County	05	1700CST			0	0	4	5	Damaging Winds and Hail
			High winds and hail did extensive damage to crops northeast of Lexington.						
Buffalo County	05	1730CST			0	0	4	0	Damaging Winds
			Thunderstorm winds downed trees and power lines in Kearney.						
Polk County	05	1805CST			0	0	3	0	Damaging Winds
			Tree limbs were broken by thunderstorm winds in Osceola.						
Lincoln County	05	1827CST			0	0	4	3	Damaging Winds
			Thunderstorm winds of 50 to 60 m.p.h. 2 miles north of North Platte brought down numerous tree limbs and caused power outages.						
Hamilton County	05	1900CST			0	0	4	4	Damaging Winds and Hail
			One and a half inch hail and strong winds damaged buildings and caused extensive crop damage around the Aurora area.						

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEBRASKA									
Hall County	05	1950CST	1/16	40	0	0	0	0	Tornado (F0)
			A tornado touched down briefly without damage near Doniphan. FPP001						
Sarpy County	05	2010CST			0	0	3	0	Hail
			One and a half inch hail fell near Bellevue, causing minor property damage.						
Adams County	05	2027CST	1/16	40	0	0	0	0	Tornado (F0)
			A tornado touched down briefly without damage 4 miles northeast of Hastings. FPP001						
Adams County	05	2115CST	1/4	50	0	0	4	3	Tornado (F1)
			A tornado took the tops off of trees in Prosser. FPP101						
Clay County	05	2135CST			0	0	4	4	Damaging Winds
			Thunderstorm winds estimated over 70 m.p.h. broke tree limbs 3 to 4 inches in diameter at Fairfield.						
Richardson County	05	2300CST			0	0	3	0	Damaging Winds
			Winds in thunderstorms broke tree limbs and caused power outages at Falls City.						
Pawnee County	06	1655CST			0	0	5	6	Hail
			Two and a half inch hail fell at Burchard and Dubois, damaging roofs and vehicles along with area crops.						
Jefferson County	06	1715CST			0	0	3	4	Hail
			One and a half inch hail broke windows and damaged crops from just east to 5 miles southeast of Fairbury.						
Keith County	07	1730CST			0	0	4	4	Damaging Winds
			Thunderstorm winds gusted to 60 to 80 m.p.h. at Ogallala and Lemoyne. Roofs were damaged at Ogallala and campers damaged at Lake McConaughy. Numerous tree limbs were broken in the area.						
Perkins County	07	1923CST			0	0	3	3	Damaging Winds
			Fifty to sixty m.p.h. winds broke numerous tree limbs around Grant.						
Lincoln County	07	1935CST	1/8	30	0	0	0	3	Tornado (F1)
			Tornado touched down in open country 5 miles south of Wallace. FPP101						
Lincoln County	07	1935CST			0	0	5	3	Damaging Winds
			Fifty to sixty m.p.h. thunderstorm gusts in the North Platte area broke numerous tree limbs, took shingles off of roofs and caused power outages.						
Cheyenne County	08	1630CST			0	0	?	?	Hail
			One and a half inch hail fell briefly near Burley.						
Scottsbluff County	08	1650CST			0	0	5	0	Damaging Winds
			Very strong thunderstorm winds destroyed two barns and uprooted trees at a feed lot just east of Minatare.						
Sheridan County	08	1800CST	1/16	25	0	0	0	?	Tornado (F1)
			A tornado touched down briefly in open country just south of Gordon. FPP101						
Richardson County	09	1730CST			0	0	4	0	Damaging Winds
			Thunderstorm winds broke numerous tree limbs and caused power outages at Falls City and Rulo.						
Dawes County	10	2132CST			0	0	?	0	High Wind
			South winds gusted to 59 m.p.h. at Chadron airport. No damage was reported.						
Dawes County	11	1703CST			0	0	2	0	Damaging Winds
			Thunderstorm winds gusted to 63 m.p.h. at Chadron, causing minor property damage.						
Cherry and Brown Counties	11	1930CST			0	0	0	5	Hail
			One and a half inch hail fell around the Cherry-Brown county line just south of Highway 20, about 15 miles west of Ainsworth, damaging crops.						
Knox and Cedar Counties	12	0100CST -0230CST			0	0	4	4	Damaging Winds
			Thunderstorm winds damaged trees, buildings, vehicles and power lines at Wausa, Bloomfield, and 4 miles east of Hartington.						
Hamilton County	13	1515CST			0	0	0	0	Funnel Cloud
			A funnel cloud was reported by civil defense 10 miles southeast of Aurora.						
Hamilton and York Counties	13	1530CST			0	0	0	0	Funnel Clouds
			Funnel clouds were reported south of Hampton and just east of York.						
Clay County	13	1532CST			0	0	0	0	Funnel Clouds
			Civil defense reported funnel clouds near Inland, 4 miles east of Edgar, 4 miles west of Sutton, near Stockham and near Saronville.						
Hamilton County	13	1540CST			0	0	0	0	Funnel Cloud
			Funnel cloud reported southeast of Aurora.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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

NEBRASKA

Hooker and Thomas Counties	15	2000CST			0	0	6	5	Damaging Winds and Hail
Three inch hail 6 miles northwest of Seneca broke windows in buildings and vehicles, dented vehicles, damaged roofs and injured livestock. Southeast of Seneca, building and vehicle windows were also broken by 3 inch hail. Strong winds uprooted trees and blew down a windmill and irrigation system. Just west of Theford, 2 to 3 inch hail with high winds broke building windows, busted windshields and damaged crops.									
Cherry County	16	1645CST	1/8	30	0	0	?	0	Tornado (F1)
Tornado touched down briefly 20 miles west of Valentine, south of Kilgore. No damage was reported. FPP101									
Cherry County	16	1745CST			0	0	0	0	Funnel Cloud
A funnel cloud was reported at Merritt Reservoir.									
Cherry County	16	1800CST			0	0	5	3	Damaging Winds
Strong thunderstorm winds destroyed a cement block building at Valentine and heavily damaged a garage 10 miles south of Valentine, where wind mills were also blown over and power poles broke. A number of trees were blown over in Valentine where one home was damaged by a fallen tree.									
Keya Paha County	16	1900CST			0	0	3	3	Damaging Winds
Thunderstorm winds damaged trees, outbuildings and fences on three farms around Springview.									
Keith County	16	1907CST			0	0	?	?	Hail
Three-quarter inch hail fell near Keystone. No damage was reported.									
Lincoln County	16	1950CST			0	0	2	0	Damaging Winds
Thunderstorm winds gusted to 60 m.p.h. at North Platte, causing minor property damage.									
Hall County	16	2315CST			0	0	2	0	Damaging Winds
Trees were blown over by thunderstorm gusts near Davis Lake on the east edge of Grand Island.									
Hall County	17	0100CST			0	0	4	0	Lightning
Numerous lightning strikes caused power outages over much of Grand Island.									
Knox County	20	1500CST			0	0	3	4	Hail
One and a half inch hail fell between Bloomfield, Lindy and Crofton, damaging crops.									
Dawes County	22	1910CST			0	0	3	2	Damaging Winds
Wind gusted to 67 m.p.h. at Chadron during a thunderstorm, causing some damage to trees and shingles.									
Sheridan County	22	1930CST			0	0	5	5	Hail
Two to three inch hail at Clinton broke windows in homes, schools and businesses, dented vehicles and smashed windshields along with damaging crops.									
Antelope County	23	0130CST			0	0	3	0	Lightning
Nine head of cattle were killed by lightning 6 miles west of Elgin.									
Saunders County	23	2250CST			0	0	2	5	Hail
Hail cut a half to 2 mile wide swath from 5 miles west of Prague to just south of Wahoo to 4 miles west of Ashland. Thousands of acres sustained heavy damage from the wind driven hail.									
Merrick County	23	2320CST			0	0	4	4	Hail
One and a half inch hail damaged crops 10 miles west-southwest of Central City along a path 1 mile wide and 2 miles long. A few outbuildings were also damaged.									
Franklin County	24	0100CST			0	0	5	4	Damaging Winds and Hail
Strong winds and hail damaged houses and outbuildings around Franklin. Crops also suffered damage.									
Grant County	27	1750CST			0	0	?	?	Hail
One and a half inch hail fell for a short time around Ashby, causing no reported damage.									
Duel County	27	2115CST			0	0	5	5	Damaging Winds and Hail
High thunderstorm winds damaged a barn and a machine shed on two farms south of Chappell. An irrigation system was blown over, fences damaged, tree limbs broken and power lines downed. Hail heavily damaged crops.									
Phelps County	28	2000CST			0	0	0	0	Hail
One and a half inch hail fell briefly around Loomis, causing no reported damage.									

26 NEVADA

NONE REPORTED

27 NEW HAMPSHIRE

Ashland to Holderness (Grafton County)	15	1700EST			0	1	5	0	Severe Thunderstorm
An active cold front moved through the region Thursday afternoon, spawning a severe thunderstorm that devastated the Squam Lakes region. Ray Mosher, a WSO Concord employee, confirmed straight-line winds from the thunderstorm downburst. The estimated 75 to 90 mph burst travelled from southwest to northeast, from Ashland to Holderness. The burst uprooted or snapped tall softwood trees that stood above the rest of the timber in an area 2 miles long and 3/4 of a mile wide. The large trees that fell heavily damaged or totally destroyed two dozen cottages or homes and at least a dozen cars in Holderness. The worst was when lightning struck and split a pine tree, toppling an 80 foot section onto 7 parked cars and demolishing them. Pingpong ball size hail, 1/4 inch diameter, was also reported in Holderness. A woman was injured by flying glass when a tree crashed through the dwelling she occupied in Holderness. In all, 5500 customers were without power from a few minutes to 15 hours. The damage in Holderness was estimated at \$200,000.									
Durham, Derry, North Wilmot, East Conway and Chatham (Stafford, Rockingham, Merrimack and Carroll Counties)	15	1700EST			0	1	5	0	Lightning
Thunderstorms rumbled across New Hampshire Thursday evening with lightning strikes raising havoc over central and southern sections. A lightning strike started a fire that destroyed a small barn in Durham (Stafford County). Another lightning bolt started a fire in the ell of the Atwood House, around 1700EST, in North Wilmot (Merrimack County). The fire destroyed the ell, a wood and storage shed, and the roof of the kitchen area of the house. The main section of the house and barn were saved, but suffered water and smoke damage. A 24 year old man from Derry (Rockingham County) was stunned, as a lightning bolt struck near where he was standing. Lightning also struck two transformers, shutting the power down for 700 customers from East Conway to Chatham (Carroll County) for up to 6 hours.									
Keene and Claremont, Cheshire and Sullivan Counties	15	1700EST			0	0	4	0	Thunderstorms
Thunderstorms felled small tree limbs, causing power outages to 1600 homes in Keene (Cheshire County) and to 1000 homes in Claremont (Sullivan County) for up to 5 hours.									
Milton (Stafford County)	15	1915EST			0	0	4	0	Severe Thunderstorm
A severe thunderstorm produced a strong downburst in Milton that uprooted 100 to 150 softwood trees as it travelled east across a 5 acre site and through an adjoining cornfield. Several windows were also shattered in the home adjacent to the 5 acre lot.									

28 NEW JERSEY, Northern

Essex County	30	1304EST			0	0	?	0	Severe Thunderstorm
A severe thunderstorm moved through Newark Airport. Winds gusted to 59 knots (68MPH). A baggage cart was blown into an aircraft, ripping a 2x4 inch hole in its fuselage.									

28 NEW JERSEY, Southern — NONE REPORTED

29 NEW MEXICO

Palomas, Grants County	3	Afternoon					2		Lightning
A man and his wife were struck by lightning while standing in an open field.									
Northern Harding County	23	Afternoon					5		Hail
The worst hail storm in years, according to long-time residents of the area, struck northern Harding County. Stones of 3 and 1/2 inches in diameter caused major damage to roofs, cars, and trailers. The worst hit area was just north of Roy.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1965

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

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

30 NEW YORK, Coastal

Suffolk County	30	1130EST	1	?	0	0	?	?	Tornado (F1)
<p>A tornado moving northward, skipped through the village of Southampton on Long Island. A garage was demolished. A church steeple and several cars were damaged. 350 trees were flattened as the owner watched the tornado move through his tree farm.</p>									
Westchester, New York, Queens and Nassau Counties	30	1445-1600EST			0	7	?	?	Severe Thunderstorm, Hail/Wind
<p>High winds, hail and torrential rain, moving eastward through the area, produced widespread damage. Massive tree damage occurred. Some trees as old as 75 years were uprooted. Several homes and businesses received substantial damage. Golf ball sized hail fell in Woodside, Queens where winds estimated at 65MPH also occurred. Six persons were injured at the U.S. Open Tennis Championship in Flushing Meadow when a large hospitality tent was blown down. A woman was injured in Floral Park, Nassau County when a tree fell on her car, trapping her. Trees falling across power lines left 85,000 residents without electricity.</p>									

30 NEW YORK, Central

Leeds, Greene County	11	PM	0	0	0	0	0	0	Downburst
<p>Downburst winds knocked down some trees in Leeds. (Convective)</p>									
Kent, Putnam County	14	UNKNOWN			1	1	4	0	Rain
<p>One man was killed and his wife injured when their car was involved in a collision with a pickup truck. Police reported the road to be extremely slippery due to the rain.</p> <p>Town of Kent, Putnam County, M-65-Auto</p>									
Warwick, Orange County	14	1700EST			0	0	5	4	Thunderstorm
<p>A fast-moving rain/thunderstorm struck Warwick, doing considerable damage to local utilities. Unofficial wind measurements put the wind speed near 70 MPH. Just over 0.70" of rain fell during the storm. (Convective)</p>									
Lake Delta, Onieda County	15	1400EST			0	2	4	4	Thunderstorm
<p>A thunderstorm moved off Lake Delta and caused considerable damage to the Lake Delta Campground. Trees were uprooted and some beach erosion occurred. The storm later moved into the Town of Lee (see next report). Two campers were slightly injured by falling tree limbs. Utilities suffered considerable damage to poles and wires. Hail (marble size) was reported in several locations, two to three inches deep. At Griffis AFB, winds were clocked at 43 MPH. (Convective)</p>									
Lee Center, Onieda County	15	1510EST			0	0	4	0	Lightning
<p>Two cows were killed by lightning.</p>									
Lake George, Warren County	15	1615EST			0	2	0	0	Lightning
<p>A thunderstorm with lightning hit Lake George. Two men were injured when struck by lightning. Both men were treated at an area hospital.</p>									
Whitehall, Washington County	15	1650EST			1	3	5	0	Lightning
<p>A farmhand was struck by lightning while walking in a field, en route to a barn. Lightning hit a baling machine which the victim was passing by. The bolt then passed to the young man, stopping his heart. The local rescue squad revived the man and rushed him to a local hospital. While en route to the hospital, the ambulance was struck by lightning, resulting in a fire and explosion. The medics were slightly injured. The farmhand later died at the hospital.</p> <p>Town of Whitehall, Washington County, M-24-Heart Stoppage From Lightning Bolt.</p>									

30 NEW YORK, Western

Parts of Onondaga and Oswego Counties	14	1230 EST to 1500 EST	0	0	4	?	?	?	Wind and Lightning
<p>Damaging winds of a severe thunderstorm felled trees and stripped away roof shingles in Candlerwick, near Syracuse.</p> <p>A lightning bolt caused a building in De Witt, also near Syracuse, to go up in flames. In Baldwinsville, in northern Onondaga County, gusts tore off a garage wall.</p> <p>In the town of Orwell, Oswego County, lightning struck a home TV antenna. It did not do any significant damage to the home, but apparently triggered a heart attack to the owner, a 55-year old woman. She died.</p>									
Ogden, Monroe County	15	0530 EST			0	0	4	0	Lightning
<p>A lightning bolt struck and burned down a barn in Ogden.</p>									
Parts of Catteraugus County	15	1615 EST			0	0	4	0	Wind & Rain
<p>A severe thunderstorm hit the Olean area and left behind scattered damages. The heaviest damage occurred in the town of Hinsdale where strong winds ravaged an oat field, a portion of a corn field, and knocked down a tall tree across a road. A few roads were flooded in Olean.</p>									
Parts of Orleans, Livingston, Wayne, and Oswego Counties	26	1415 EST to 1445 EST			0	0	4	0	Wind and Rain
<p>Severe thunderstorms with strong winds and heavy rains toppled a tree which fell on a house in Barre, Orleans County. Another home, a barn, and a small building there were also damaged. Residents reportedly saw a funnel cloud.</p> <p>In Albion, also Orleans County, heavy rains flooded a few streets, yards, and basements.</p> <p>In Graveland, Livingston County, the strong winds broke tree limbs. In Sadus, Wayne County, the heavy rains produced some poor drainage flooding. There, a tree with about 3 feet base diameter fell across a road, pulling down with it some power lines.</p> <p>In Volney, Oswego County, strong winds felled trees and power lines.</p>									

31 NORTH CAROLINA

Lumberton Area, Robeson County	01	0	0	3	?	?	?	?	Flooding
<p>The Lumber River rose slowly after heavy rains in late July. The river created 24 feet above flood stage. Water surrounded 50-75 residences, but the only damage reported was to roads.</p>									
Penderlee, Pender County	01	1845EST			0	1	0	0	Lightning
<p>A 15-year old boy was struck and injured by lightning.</p>									
Piedmont, Foothills, Sandhills	17-18				0	0	6	6	Flooding
<p>Heavy rain from the remnants of Hurricane Danny caused widespread minor flooding over much of the area, and some serious flooding in a few counties. Rainfall amounts of 3 to 8 inches were reported from many locations. In Stokes County, the flood was described as among the worst in memory. Eight inches of rain caused flash flooding primarily in the northwestern part of the county on the 17th. Up to 12 inches of rain fell in Patrick County, Virginia, causing flooding of the Dan and Smith Rivers on the 18th. Here, 2 permanent homes and 2 mobile homes were swept away, and 30 others were heavily damaged. Agricultural losses in Stokes County alone were estimated at \$1.6 million. Property damage was estimated at \$500,000. In Surry County, the Ararat River and smaller streams flooded, forcing some evacuations. \$250,000 worth of tobacco in a warehouse was destroyed in Mt. Airy. Seven inches of rain was reported in Stanly County, leaving many bridges under water. Two occupants of a car which was washed off the road required rescue. In Rockingham County, the Dan and Mayo Rivers flooded which caused damage to a textile plant. A small truck was washed off the road in extreme southeast Randolph County. One occupant clung to a tree for three and one half hours before rescue. \$50,000</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
— NORTH CAROLINA										
										damage to bridges was reported in Montgomery County. In Gaston County, a dozen families of a mobile home park were evacuated after a creek overflowed. In northern Moore County, 10 inches of rain washed out road beds, flooded highways, and washed two pickup trucks off roads. A rising creek swept away a chicken house, killing 13,000 chicks. Some minor flooding was also reported over the mountains of western North Carolina. A man in Kings Mountain, Cleveland County, was electrocuted while cleaning up flood damage in his mobile home. Flooding began in the northwest Piedmont around 2200EST on the 17th and continued through much of the 18th.
Three to Six Miles North of Ellerbe, Richmond County	17	1930-2000EST			0	0	5	?		Thunderstorm Winds
										A chicken house, a tobacco barn, and four sheds were destroyed. Damage estimated at \$100,000 occurred.
Harpers Crossroads, Southern Chatham County	17	2345EST	4	100	0	0	4	0		Tornado (F0)
										A small tornado left a four mile path of mostly minor damage through a rural area. One chicken house was flattened, and minor damage to some homes and barns was reported. The storm moved from south to north.
Nine Miles Northeast of Kenansville, Duplin County	18	1445EST	4	150	0	0	4	4		Tornado (F1)
										A small tornado, moving northeast, destroyed a mobile home and six acres of tobacco, and twisted off some trees. A bed from the home was found 1/4 mile to the northeast. The trailer and contents were valued at \$10,000, and crop losses were about \$20,000.
Two Miles West of Cumberry, Northampton County	18	1700EST	Short	50	0	7	5	0		Tornado (F0)
										A small tornado touched down briefly along highway 186. Two mobile homes were destroyed and seven people received minor injuries while evacuating the trailers. All were treated and released from the hospital. The tops of nearby trees were sheared off.
Kannapolis, Cabarrus and Rowan Counties	21	0030-0500EST			0	0	?	0		Flooding
										A cloudburst, three inches in 45 minutes, caused evacuation of a rest home when a creek overflowed. One large truck stalled while attempting to cross a flooded bridge. Some minor flooding was reported in surrounding counties.
East Gastonia, Gaston County	21	0230EST			0	0	4	0		Thunderstorm Winds
										A brick wall at a manufacturing plant was blown down, as were power lines and trees.
Millers Creek and Oakwood, Wilkes County	21	1230EST			0	0	3	0		Thunderstorm Winds
										Several large trees and power lines were blown down, and some damage to roofs of homes was reported.
Coolleeme to Mocksville, Davie County	21	1400-1430EST			0	0	4	0		Thunderstorm Winds
										Hundreds of trees were blown down, roofs were blown off sheds, and homes were damaged by a severe thunderstorm. In the Becktown Road area, eighty trees in a 2½ mile area were blown down.
Northwestern Stokes County	21	1400EST			0	0	0	5		Hail
										One-half to one and three-quarter inch hail fell for ten minutes, destroying 125 acres of tobacco.
Stanly County	21	1520-1630EST			0	0	5	?		Thunderstorm Winds
										A severe thunderstorm moved across the county from northwest to southeast. In the Albemarle area, dozens of trees were blown down and several homes were damaged. At 1630EST in the Grovestone Community of eastern Stanly County, a home was nearly destroyed by 90 foot trees which fell in winds estimated at 100MPH.
Southwest Davidson County	21	1625EST			0	0	3	0		Thunderstorm Winds
										Trees and power lines were blown down.
Carteret County	22	1405EST			0	0	0	0		Waterspouts
										Waterspouts about one mile offshore from Indian Beach and Pine Knoll Shores, were sighted by the public.
Cedar Grove area, Orange County	27	1505EST			0	0	0	?		Hail
										One inch diameter hail was reported by the Deputy Sheriff.
Dana Community, Henderson County	30	1412EST			0	0	0	0		Funnel Cloud
										A funnel cloud was reported by the public.
32 NORTH DAKOTA										
Matmarth (Slope County)	02	1930CST								Funnel
Rhame 10NW (Slope County)	02	1935CST								Funnel
Bowman (Bowman County)	02	2005CST			0	0	0	0		Hail
										Hail one inch in diameter occurred. No damage was reported.
Scranton (Bowman County)	02	2020CST			0	0	0	0		Thunderstorm Winds
										Wind gusts to 65 mph occurred. No damage was reported.
Bucyrus 7N (Adams County)	02	2045CST			0	0	?	?		Hail
										Hail 3/4 of an inch in diameter was reported by a Weather Modification observer.
New England 15S (Hettinger County)	02	2150CST			0	0	3	0		Thunderstorm Winds
										Strong winds blew the roof off a garage.
Crosby 6SW (Divide County)	03	1610CST								Funnel
Ashley (McIntosh County)	03	1655CST			0	0	4	4		Hail
										Baseball-sized hail broke windows and damaged cars, roofs, and surrounding cropland.
Gackle 10NE (Stutsman County)	03	1700CST	Short	5-15	0	0	0	0		Tornado (F0)
										A brief tornado touched down. No damage was reported.
Jamestown 30SW (LaMoure County)	03	1720CST	Short	5-15	0	0	0	0		Tornado (F0)
										A brief tornado was reported by a Cooperative observer. No damage was reported.
Jamestown (Stutsman County)	03	1740CST	Short	5-15	0	0	0	0		Tornado (F0)
										A brief tornado touched down. No damage was reported.
Ellendale (Dickey County)	03	1750CST								Funnels
										Two funnel clouds were sighted.
Leal 1E (Barnes County)	03	1830CST			0	0	?	?		Thunderstorm Winds
										Strong winds damaged three grain bins. The winds were accompanied by heavy rains and pea-sized hail. This combination damaged surrounding cropland.
LaMoure 2W (LaMoure County)	03	1848CST			0	0	?	?		Hail
										Hail 3/4 of an inch in diameter was reported by the U. S. Coast Guard station. The hail damaged surrounding cropland.
Valley City 20NE (Barnes County)	03	1855CST			0	0	?	?		Thunderstorm Winds
										Strong thunderstorm winds destroyed three grain bins.
Bergen 4E (McHenry County)	03	1925CST								Funnel
Balfour 5N (McHenry County)	03	1958CST								Funnels
										Two funnel clouds were sighted.
Fort Ransom 5SW (Ransom County)	03	2008CST			0	0	?	?		Hail
										Hail 3/4 of an inch in diameter was reported by a weather spotter.
Lona (Cavalier County)	08	1930CST			0	0	0	0		Hail
										Golfball-sized hail was reported by the Cavalier County Sheriff. No damage was reported.
Walhalla (Pembina County)	08	2015CST			0	0	0	0		Hail
										Hail 3/4 of an inch in diameter occurred. No damage was reported.
Eastern Morton and Northern Sioux Counties	09	Early Morning			0	0	?	?		Lightning
										Lightning strikes caused prairie fires.
Selen (Sioux County)	11	2048CST								Funnels
										Two funnel clouds were sighted.
Jamestown (Stutsman County)	16	1613CST			0	0	6	5		Hail
										Hail one inch in diameter occurred. The hail was accompanied by 2 inches of rain in 30 minutes. The hail broke windows, damaged cars, destroyed gardens and flower beds, and damaged surrounding cropland. The hailstorm lasted 20 minutes and the hail was 4 to 6 inches deep on the ground. Also, the heavy rains flooded streets and intersections in the City of Jamestown, as well as storm sewers, lawns and basements.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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

NORTH DAKOTA

Jamestown (Stutsman County)	16	1620CST							Funnel
Jamestown 1SE (Stutsman County)	16	1634CST	Short	5-15	0	0	4	0	Tornado (F1) A tornado blew a semi truck/trailer sideways on Interstate 94.
Valley City (Barnes County)	16	1700CST			0	0	*6	C	Thunderstorm Winds; Hail Hail 2-1/4 inches in diameter occurred. The hail broke windows and damaged many cars and other vehicles. Eight aircraft were totalled by the hail. The hail was accompanied by strong winds which downed power lines and blew streetlights off center. Considerable damage was done to surrounding cropland by the hail.
Tower City 5N (Cass County)	16	1730CST			0	0	*?	C	Hail Golfball-sized hail caused considerable damage to surrounding cropland.
Coopers town 9NW (Griggs County)	16	1740CST							Funnel
Ayr 3N (Cass County)	16	1800CST			0	0	*?	C	Hail Golfball-sized hail occurred. The hail broke a window in a pickup truck and damaged surrounding cropland, delaying harvest.
Grandin 5W (Cass County)	16	1830CST			0	0	5	0	Lightning Lightning caused a barn fire which killed 450 hogs and destroyed 2000 straw bales.
Mayville (Traill County)	16	1900CST			0	0	?	0	Heavy Rains 4.1 inches of rain fell in one hour. The rain temporarily flooded streets and storm sewers.
Hillsboro (Traill County)	16	2036CST			0	0	0	0	Hail Golfball-sized hail was reported by the County Sheriff.
Elgin 27SE (Grant County)	21	0510CST			0	0	*?	C	Lightning Lightning strikes started fires on farmland. About two acres were burned.
Watford City 12E (McKenzie County)	21	1727CST							Funnel
New Town (Mountrail County)	21	1730CST							Funnel A funnel cloud was reported by the New Town Fire Department.
Keene 3W (McKenzie County)	21	1730CST	Short	5-15	0	0	0	0	Tornado (FO) A brief tornado touched down. No damage was reported.
Mandaree (McKenzie County)	21	1750CST			0	0	0	0	Hail Hail 3/4 of an inch in diameter occurred. No damage was reported.
Halliday 5W (Dunn County)	21	1830CST							Funnels Two funnel clouds were reported by the public.
Halliday (Dunn County)	21	1830CST			0	0	*?	C	Hail Golfball-sized hail damaged surrounding cropland.
Beulah (Mercer County)	21	1858CST			0	0	0	0	Hail Hail 3/4 of an inch in diameter occurred. No damage was reported.
New England (Hettinger County)	21	1905CST			0	0	2	0	Hail Tennis ball-sized hail was reported by the local police.
Glen Ullin 16N (Mercer County)	21	1910CST			0	0	*?	C	Hail Golfball-sized hail damaged cropland and a farmhouse.
Dickinson 20S (Hettinger County)	21	1916CST			0	0	0	0	Hail Hail 3/4 of an inch in diameter occurred. No damage was reported.
Powers Lake (Burke County)	21	1917CST			0	0	0	0	Hail Golfball-sized hail was reported by the Chief of Police. No damage was reported.
Bismarck 7NE (Burleigh County)	21	1930CST			0	1	0	0	Lightning A seventeen-year old boy was struck and injured by lightning while driving a swather.
Hebron (Morton County)	21	1940CST			0	0	?	?	Thunderstorm Winds Wind gusts to 70 mph occurred.

NORTH DAKOTA

Ross (Mountrail County)	21	1945CST	1.3	80-150	0	0	0	0	Tornado (F1) A tornado moved east-southeast and was on the ground for three minutes. No damage was reported.
Richardton (Stark County)	21	1951CST			0	0	0	0	Hail Hail 3/4 of an inch in diameter occurred. No damage was reported.
Glen Ullin (Morton County)	21	1952CST			0	2	5	0	Thunderstorm Winds Wind gusts to 70 mph occurred. Two people were injured in their car by broken glass. The wind also uprooted trees, damaged camping vehicles, and tore the roof from the Civic Auditorium as well as roofs off houses.
Glen Ullin (Morton County)	21	1958CST			0	0	0	0	Hail Hail 3/4 of an inch in diameter occurred. No damage was reported from the hail.
New Salem (Morton County)	21	2057CST			0	0	0	0	Hail Golfball-sized hail occurred. No damage was reported.
Sykeston 9SW (Wells County)	21	2110CST	Short	5-15	0	0	4	0	Tornado (FO) A tornado destroyed a machine shed.
Mandan (Morton County)	21	2114CST			0	0	4	0	Thunderstorm Winds Wind gusts to 60 mph occurred. The winds blew down large tree branches and caused power outages in most of the city.
Keene 5E (McKenzie County)	21	2120CST	Short	5-15	0	0	0	0	Tornado (FO) A brief tornado touched down. No damage was reported.
Bismarck (Burleigh County)	21	2121CST			0	0	5	0	Thunderstorm Winds Heavy Rains Wind gusts to 70 mph occurred in the north side of the city. Trees were uprooted and large branches were blown down, causing power outages. The winds also destroyed a mobile home. The winds were accompanied by heavy rains which flooded city intersections and underpasses, and plugged storm sewers.
Bismarck (Burleigh County)	21	2126CST			0	0	0	0	Thunderstorm Winds Wind gusts to 58 mph were recorded at the Bismarck Airport, on the south side of the city.
Driscoll 9N (Burleigh County)	21	2130CST			0	0	5	0	Lightning Lightning struck and burned a milking barn.
New Town (Mountrail County)	21	2205CST			0	0	?	?	Hail Hail 3/4 of an inch in diameter was reported by a Weather Modification observer.
New Town 5N (Mountrail County)	21	2240CST			0	0	*4	C	Hail, Heavy Rains Golfball-sized hail damaged cropland and siding of buildings, dented vehicles, and broke windshields. The hail was accompanied by 3.5 inches of rain which washed out a section of Highway 1804.
Fargo 15SW (Cass County)	21	2320CST			0	0	0	0	Hail Hail 3/4 of an inch in diameter occurred. No damage was reported.
Fargo 45S (Richland County)	22	0015CST			0	0	0	0	Thunderstorm Winds Wind gusts to 60 mph were reported by a Weigh Station on Interstate 29.
Gackle 11S (Logan County)	22	2000CST	Short	5-15	0	0	3	0	Tornado (F1) A tornado took the roof off of a barn.
New Rockford 14NE (Eddy County)	23	1220CST							Funnel A cold-air funnel cloud was sighted.
Sheyenne 5N (Benson County)	23	1315CST							Funnel A cold-air funnel cloud was sighted.
Northwood 10W (Grand Forks County)	23	1345CST							Funnels Numerous cold-air funnel clouds were reported.
Carrington 7W (Wells County)	23	1358CST							Funnels Numerous cold-air funnel clouds were reported.
Wimbledon 7S (Stutsman County)	23	1615CST							Funnel A cold-air funnel cloud was sighted.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

— NORTH DAKOTA

Casselton (Cass County)	23	1710CST							Funnels
Numerous cold-air funnel clouds were reported by the public and law enforcement personnel.									
Fargo (Cass County)	23	1740CST							Funnel
A cold-air funnel cloud was sighted.									
Sawyer (Ward County)	28	1400CST			0	0	4	0	Lightning
Lightning struck and killed three pregnant cows.									
Devils Lake (Ramsey County)	28	1530CST			0	0	3	0	Lightning
Lightning struck a building, scattering bricks across the street.									

33 OHIO

Hancock County	06	1900 EST			1	0	0	0	Lightning
Lightning struck and killed a 59 year old man as he walked around Lake LeCompte.									
Ottawa County	07	1840 EST			0	0	4	0	High Wind
A thunderstorm with 60mph winds moved through Put-in-Bay. The storm downed trees and damaged boats.									
Cuyahoga and Medina Counties	13	1645 EST			0	0	5	0	High Winds
A severe thunderstorm moved through southern Cuyahoga and northern Medina Counties. The storm did considerable damage in North Royalton, Brunswick and Hinckley. A Lawson's store in Brunswick was unroofed.									
Henry County	14	1430 EST			0	0	4	0	High Wind
A thunderstorm with damaging winds moved through Napoleon. The storm downed several trees and moved a parked truck into a parked car.									
Seneca County	14	1500 EST			0	0	4	0	High Wind, Hail
A thunderstorm produced one inch diameter hail and damaging winds in Fostoria. A mobile home was overturned and destroyed.									
Ross County	15	1300 EST			0	1	0	0	Lightning
Lightning struck and seriously injured a 20 year old woman in Chilllicothe.									
Geauga County	15	1545 EST			0	0	4	C	High Wind
Thunderstorm winds downed trees and damaged crops in the Burton area.									
Wayne County	15	1730 EST			0	0	5	0	High Wind
Thunderstorm winds estimated at 70 to 80mph downed several trees and damaged buildings in West Salem.									
Lucas County	26	0500 EST			0	0	4	0	High Wind
A thunderstorm with 60 mph winds downed trees in northeast Toledo. A concrete block wall at a construction site was toppled.									

34 OKLAHOMA

Tahlequah, Cherokee County	04	1635CST			0	0	?	?	Wind/Hail
A thunderstorm produced strong winds and marble size hail which broke windows, downed trees and powerlines and unroofed a barn.									
Stillwell, Adair County	04	1715CST			0	0	6	?	Hail/Wind
Hail ranging from golfball to baseball size with strong winds caused about \$750,000 damage. Roofs were destroyed along with several autos which were deemed a total loss. Many winds were broken out due to the wind blown hail.									
Sallisaw, Sequoyah County	04	1725CST			0	0	?	?	Wind
A thunderstorm produced winds up to 70 mph which destroyed a barn-hangar. Two aircraft parked outside the building were heavily damaged. No estimate on damage was available.									

— OKLAHOMA

Sapulpa, Creek County	04	1800CST			0	0	?	?	Wind
A thunderstorm produced strong winds which damaged several mobile homes in a mobile home park just south of Sapulpa.									
Durham, Roger Mills County	04	1815CST			0	0	?	?	Wind
3/4 inch size hail and 50 to 60 mph winds occurred 4 miles north of Durham.									
Marlow, Stephens County	05	1500CST			0	0	?	?	Wind
A thunderstorm produced winds of 60 mph which destroyed a hay barn and broke off two power poles.									
Lindsay, Garvin County	05	1630CST			0	0	4	?	Hail/Wind
Golfball size hail along with 60 mph winds occurred just southeast of Lindsay. A building was destroyed and a barn damaged along with several homes. Damage estimated at \$10,000 occurred.									
Pauls Valley, Garvin County	05	1700CST			0	0	4	?	Wind
A thunderstorm produced strong winds which destroyed a car wash and overturned two mobile homes. Damage was estimated at \$20,000.									
Ada, Pontotoc County	05	1717CST			0	0	3	?	Wind
Thunderstorm - produced winds took the roof off of a warehouse. Damage was set at \$4,000. Ten mobile homes in a park also received damage.									
Wewoka, Seminole County	05	1812CST			0	0	?	?	Winds
Thunderstorm winds downed several power poles and uprooted several trees.									
Sasakwa, Seminole County	05	1814CST			0	0	?	?	Wind
Thunderstorm winds downed trees and power lines 2 miles north of Sasakwa.									
Holdenville, Hughes County	05	1820CST			0	0	?	?	Wind
A thunderstorm produced 50 to 60 mph winds, downing trees and power lines.									
Checotah, McIntosh County	05	1955CST			0	0	5	?	Wind
A thunderstorm produced strong winds which damaged 3 houses and destroyed 2 mobile homes. Many power poles and trees were downed. Damage estimated at \$60,000 occurred.									
Buffalo, Harper County	06	1745CST			0	0	?	?	Hail
One inch size hail fell 8 miles north of Buffalo.									
Woodward, Woodward County	06	1905CST			0	0	?	?	Wind
A thunderstorm produced 50 to 60 mph winds 6 miles north of Woodward.									
Woodward, Woodward County	06	1918CST			0	0	?	?	Hail/Wind
One inch size hail and 50 to 60 mph winds occurred 2 miles northwest of Woodward.									
Byron, Alfalfa County	06	1930CST			0	1	?	?	Wind
Thunderstorm winds blew a T.V. antenna off of a house. The antenna struck a woman, causing a chipped skull.									
Amorita, Alfalfa County	06	2008CST			0	0	?	?	Hail
Golfball size hail fell.									
Heiema, Alfalfa County	06	2030CST			0	0	?	?	Wind
A thunderstorm produced 50 to 60 mph winds.									
Sand Creek, Grant County	06	2045CST			0	0	?	?	Hail
Dime to nickel size hail fell.									
Fairview, Major County	06	2045CST			0	0	?	?	Wind
A thunderstorm produced strong winds which downed a T.V. tower and many trees seven miles east and 4 miles north of Fairview.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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

OKLAHOMA

Goltry, Garfield County	06	2045CST			0	0	?	?	Hail
Golfball size hail fell 4 miles north of Goltry.									
Carmen, Alfalfa County	06	2056CST			0	0	?	?	Wind
A thunderstorm produced 50 to 65 mph winds.									
Helena, Alfalfa County	06	2058CST			0	0	?	?	Wind
A thunderstorm produced 70 mph winds 5 miles west of Helena.									
Alva, Woods County	06	2102CST			0	0	?	?	Hail
Golfball size hail fell.									
Nash, Alfalfa County	06	2105CST			0	0	?	?	Hail
Dime size hail fell.									
Hopetown, Woods County	06	2108CST			0	0	?	?	Hail
Penny size hail fell.									
Ringwood, Major County	06	2125CST			0	0	?	?	Hail
Golfball size hail fell near Ringwood.									
Chelsea, Rogers County	06	2200CST			0	0	?	?	Wind
A thunderstorm produced strong winds which downed trees and power poles. The falling trees damaged roofs and cars, and broke out windows.									
Claremore, Rogers County	06	2230CST			0	0	?	?	Wind
Thunderstorm-produced winds downed trees and destroyed a patio.									
Mustang, Canadian County	07	0000CST			0	0	?	?	Wind
A thunderstorm produced 65 mph winds.									
Tuttle, Grady County	07	0010CST			0	0	?	?	Wind
Thunderstorm winds unroofed a mobile home 7 miles east and 3 miles south of Tuttle.									
Blanchard, McCain County	07	0012CST			0	0	?	?	Wind
Thunderstorms produced 65 mph winds.									
Norman, Cleveland County	07	0025CST			0	0	?	?	Wind
Thunderstorms produced 65 mph winds.									
Wayne, McCain County	07	0045CST			0	0	?	?	Wind
Thunderstorms produced 55 to 60 mph winds.									
Purcell, McCain County	07	0101CST			0	0	?	?	Wind
Thunderstorms produced 60 to 65 mph winds.									
Pauls Valley, Garvin County	07	0155CST			0	0	?	?	Wind
Thunderstorms produced 70 to 80 mph winds 7 miles north of Pauls Valley.									
Kinta, Haskell County	10	1640CST			0	0	?	?	Hail/Wind
A thunderstorm produced marble size hail and very strong winds. A grocery store was damaged, a barn destroyed, and a roof taken off of a bank. Many trees were uprooted, and carports and canopies were torn from houses.									
Whitefield, Haskell County	10	1700CST			0	0	4	?	Hail/Wind
One inch size hail and strong winds occurred near Whitefield. A large mobile home was completely destroyed. Damage estimated at \$15,000 occurred.									

OKLAHOMA

Sayre, Beckham County	12	1700CST			0	0	4	?	Wind/Heavy Rain
A thunderstorm produced strong winds and heavy rain 8 miles south of Sayre in Delhi. The roof of a steak house was taken off by the winds, causing \$20,000 damages. The heavy rains caused small creeks to flood, washing out two bridges near Delhi.									
Catoosa, Rogers County	13	1550CST			0	0	4	?	Wind
A thunderstorm produced strong winds which uprooted large trees, tore part of a roof off of a school, and blew many signs down. Damage set at \$10,000 occurred.									
Ponca City, Kay County	13	1730CST			0	0	5	?	Lightning
Lightning caused a house to burn, producing damage set at \$70,000.									
Hobart, Kiowa County	13	1930CST			0	0	4	?	Wind
A thunderstorm produced winds which damaged a hangar and also two aircraft which were in the hangar at the Hobart airport. Damage estimated at \$30,000 occurred.									
Geronomo, Comanche County	14	1730CST			0	0	?	?	Wind
Thunderstorm winds damaged several mobile homes, blew down television antennas, and caused roof damage to several houses.									
Frederick, Tillman County	20	1545CST			0	0	?	?	Wind
Thunderstorm winds destroyed a grain bin, a travel trailer and a garage, and downed a 70 foot radio tower. Roof damage occurred to several houses.									
Gould, Harmon County	20	1640CST			0	0	?	?	Wind
Thunderstorm winds destroyed a barn 2 1/2 miles east of Gould.									
Alfalfa, Caddo County	20	1800CST			0	0	?	?	Hail
Penny size hail fell.									
Lawton, Comanche County	23	1640CST			0	0	?	?	Wind
A thunderstorm produced 50 to 60 mph winds which downed power lines and trees in western sections of Lawton.									
Dustin, Hughes County	23	1720CST			0	0	?	?	Hail
3/4 inch size hail fell 8 miles south of Dustin, and golfball size hail fell 2 miles west of Dustin.									
Holdenville, Hughes County	23	1740CST			0	0	?	?	Hail
One inch size hail fell.									
Sasakwa, Seminole County	23	2115CST			0	0	?	?	Wind
Thunderstorm winds downed several power poles and broke off large tree limbs.									

35 OREGON ————— NONE REPORTED

36 PENNSYLVANIA, Eastern

Perkasie, Bucks County	08	2245 EST			0	0	4	0	Lightning
A lightning-caused fire destroyed a building.									
Quarryville, Lancaster County	30	1400 EST	2.0	33	0	0	5	3	Tornado (F1)
A tornado skipped across farm land near Quarryville, damaging two barns, a windmill and another farm building. Many trees and corn crops were also damaged. FPP111									
Quarryville, Lancaster County	30	1400 EST			0	1	0	0	Lightning
A man was injured when struck by lightning near Quarryville.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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

PENNSYLVANIA, Eastern

Quakake Valley, Schuylkill County
 30 1600 EST 0 0 3 2 Wind
 Strong wind gusts downed trees and tree limbs, broke windows and flipped over a hay wagon.

Bowmanstown, Carbon County
 30 1620 EST 0 0 4 0 Wind
 Strong wind gusts downed trees, a carport and a patio roof. Falling trees and flying debris damaged buildings and utility lines.

36 PENNSYLVANIA, Western

Luzerne Township (Fayette County)
 1 0600EST 0 0 0 0 Flooding
 Two inches of rain fell overnight. A coal washing pond 1/2 mile west of Maxwell Lock and Dam filled to near overflowing.

Cochranon (Crawford County)
 7 0940EST 0 0 3 0 Thunderstorm
 Trees were uprooted and limbs torn off during a thunderstorm. Some structural damage occurred to a barn. Crawford, Warren, Venango, McKean, Forest and Elk Counties received two to three inches of rain through the morning.

Shenango Township (Lawrence County)
 15 1630EST 0 0 4 0 Thunderstorm
 Trees and power lines were downed, and a trailer was destroyed during a thunderstorm.

37 RHODE ISLAND

Southern Portion; Newort, Washington, and Bristol Counties
 25- 0600EST- 0 0 5 0 Heavy Rain & Flooding
 26 0900EST
 Torrential rainfall amounting to as much as 6 to 8 inches fell in a twenty-eight hour period in the Tiverton, Little Compton and Portsmouth area. A total amount of 3.95 inches was reported from Richmond. Numerous basements were flooded and some motorists became stranded by highway flooding. In Newort, more than six inches of rain fell, washing out beaches and collapsing a 50-foot section of stone wall. The basement flooding resulted in many ruined furnaces and hot water heaters.

Foster, Providence County
 26 1400EST- 1.0 100 0 0 0 0 Tornado (F1)
 1420EST
 A small tornado moved across the state line from East Killingly, CT, into a rural section of Foster. The tornado moved along at tree-top level, shearing off some trees and uprooting others, crossed over Route 101 and disappeared. The tornado was confirmed by National Weather Service investigation. Tornadoes are very rare in Rhode Island, with the last occurrence in Bristol in 1974. The total path length in both states was 1.5 miles.

Southern Portion
 30 Morning- 0 0 5 0 Heavy Rain and Flooding
 Early afternoon
 The second occurrence of torrential rain in one week's time resulted in more flooding in parts of the area including Tiverton, Little Compton and vicinity. An additional five inches of rain fell bringing the weekly total to 12 to 14 inches. In Tiverton, a total of 4.95 inches fell between 0500EST and 1500EST. Basements of homes and businesses suffered water damage.

38 SOUTH CAROLINA

Gaffney, Cherokee County
 02 1730EST 0 0 3 0 Hail
 Marble size hail was reported.

Mt. Pleasant and Charleston, Charleston County
 09 0200- 0 0 3 0 Wind, Rain, Flooding
 0400EST
 Flash flooding due to heavy rains caused problems in Charleston. Several trees were downed in Mt. Pleasant. Flooding occurred on Rutledge, Ashley and Bennett Streets.

SOUTH CAROLINA

Oconee, Pickens, Greenville, Spartanburg, Cherokee, Union, York, and Chester Counties
 16- 18 - - 5 5 Heavy Rains, Flooding
 Heavy rains of 4 to 9 inches fell mostly within a twelve hour period on the 16th and 17th, causing considerable flash flooding. The heaviest rains were in Cherokee County where more than 9 inches fell.

Flash flooding occurred at Campobella, Spartanburg County. Forty families evacuated in Greenville County due to a threatened dam break. Flash flooding occurred at the Hidden Lake Apartments, Cleveland Park, Butler Creek, Howell Circle, Chastain Drive, Langston and Brushy Creek in the Greenville area. At Blacksburg in Cherokee County, about 3,000 drowned, a public housing project was evacuated, and 4 apartments were flooded.

Water was reported as being 3 feet deep on some streets in Rock Hill. Also, heavy erosion occurred around 3 bridges in York County. State Road 178 in Pickens County was closed by 2 feet of water. Many basements were flooded in Pickens County.

2 NW Spartanburg and Valley Falls area, Spartanburg County
 17 1150EST 9 100 0 39 6 5 Tornado (F2)
 A tornado first appeared near New Cut Road in northwest Spartanburg and moved north-northeast through Valley Falls to near the Pacolet River. The tornado destroyed 9 homes and 38 mobile homes, and damaged 125 homes and mobile homes, 4 businesses, a tractor trailer, 2 box cars and many automobiles.

6 SE Gaffney, Cherokee County
 17 1317EST 2 1/2* 0 0 4 2 Wind
 Wind blew the tin off of 2 barns, moved a shop off its foundation, and downed trees and power lines.

2 NW McConnells, York County
 17 1355EST 3 90 0 0 5 4 Tornado (F1)
 A tornado first appeared two miles northwest of McConnells and moved north-northeast for a distance of 3 miles. Several residences were damaged, and a mobile home and several small buildings were destroyed.

3 to 5 SE of Clover, York County
 17 1400EST ? ? 0 0 5 0 Tornado (F0)
 Trees were blown down and 3 homes damaged by a small tornado.

Gaffney, Cherokee County
 17 1410EST 0.3 100 0 0 4 0 Wind
 Trees, telephone poles and power lines were downed. Falling trees crushed 3 cars.

4 NW Jonesville, Union County
 17 1415EST 3 90 0 0 4 3 Tornado (F1)
 A tornado moved from Old Pumpkin Road, north-northeast for 3 miles. It was observed by several people and cut a path through woods.

3 E Gaffney, Cherokee County
 17 1430EST 1 100 0 1 4 2 Wind
 Winds blew the front porch off of a church, and damaged two mobile homes and one frame house. A woman was injured while trying to close a door as the storm blew it open.

Blacksburg, Cherokee County
 17 1500EST 0 0 3 0 Wind
 A large oak tree fell on a car and mobile home in Blacksburg.

Holly Hill, Orangeburg County
 21 1445EST 0 0 2 0 Wind
 Thunderstorm winds blew down several trees.

Columbia, Richland County
 21 1552EST 0 0 4 0 Lightning
 4 homes and a barn were struck by lightning. 1000 customers lost electric power.

Mechanicsville, Florence County
 21 1925EST 0 0 4 0 Wind, Lightning
 Wind blew down several trees. Lightning set a large home afire.

West Florence, Florence County
 21 p.m. 0 0 4 0 Lightning
 Lightning set a home afire.

Charleston, Charleston County
 21 p.m. 0 0 4 0 Lightning
 Lightning struck a radio tower, causing part of it to fall.

Pelion, Lexington County
 25 1300EST 0 0 2 0 Hail
 Hail up to 1 inch in diameter was reported in Pelion.

Manning, Clarendon County
 28 p.m. 0 0 3 3 Hail
 Hail of unknown size damaged crops and roofs at Manning.

Charleston, Charleston County
 30 1400EST 0 1 0 0 Lightning
 Lightning struck a man sitting in front of the Charleston Library.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
39 SOUTH DAKOTA									
Fall River County	02	1500 CST			0	0	?	?	Hail, High Winds
									One and three-quarters inch hail and winds gusting to 60 mph resulted from a thunderstorm at Provo.
Corson County	02	2300-2345 CST			0	0	0	2	Lightning
									Lightning caused some small open field fires in and near McIntosh.
Campbell County	03	1540-1630 CST			0	0	3	4	Hail, Heavy Rain
									Hail, varying in diameter from one to two and three-quarters inch, caused property and crop damage from Mound City (1540 CST) to Artas (1630 CST). Roofs were damaged and windows broken due to the hail in that area. In Mound City, hail broke a rain gauge. In Artas, hail dented a metal building and smashed windows in a pickup. It also stripped some cornfields and destroyed some grain crops near Artas. Very heavy rain fell at Herried.
Hand County	03	1605 CST	short narrow		0	0	0	0	Tornado (FO)
									A tornado was spotted by the public fifteen miles southwest of Miller. No damage was reported.
Tripp County	03	1610-1615 CST			0	0	?	?	Funnel Clouds, Hail
									A funnel cloud was reported two miles east of Winner. Three-quarters inch hail broke some windows in a house, six miles northeast of Winner.
Hand & Beadle Counties	03	1630-1730 CST			0	0	0	?	Funnel Clouds, Heavy Rain
									Funnel clouds were reported ten miles west of Miller and south of Ree Heights. In an hour period of time, three to five inches of rain fell in a path three to nine miles north of Wessington. Some minor flooding occurred in this area with roadside ditches full of water.
Brown County	03	2150-2220 CST			0	0	0	?	Heavy Rain
									Two inches of rain fell in thirty minutes, seven miles northwest of Aberdeen at Richmond Lake. Temporary lakes formed on streets in Aberdeen due to the heavy rains.
Lawrence County	04	Afternoon			0	0	0	2	Lightning
									Lightning caused fifteen fires in the northwest Black Hills. Most fires were small.
Lawrence County	05	1730 CST			0	0	0	2	Lightning
									Lightning started two fires at Mt. Roosevelt. One fire burned three acres, the second fire burned one-sixteenth of an acre. South of Spearfish, a third spot fire resulted.
Pennington County	05	Afternoon			0	0	1	0	Lightning
									In Rapid City, lightning struck a tree, splitting it.
Potter County	06	0130-0145 CST			0	0	0	0	High Winds
									Thunderstorm winds gusted to 65 mph at Gettysburg.
Shannon County	06	Morning			0	0	0	3	Lightning
									Lightning caused a fire which burned 2500-3000 acres of pasture and pine trees west of Porcupine and northeast of Handerson on the Pine Ridge Indian Reservation. Fire was controlled on August 9.
Butte County	06	2130 CST			0	0	3	0	High Winds
									Thunderstorm winds gusted to 50 mph at Belle Fourche, breaking tree branches. One of the branches fell on a trailer home causing \$2,000.00 in damages.
Brown & Edmunds Counties	07	1242-1400 CST			0	0	0	?	High Winds, Hail, Heavy Rain
									Ten miles southwest of Mina (1242 CST) and twelve miles west and two miles north of Warner (1300 CST), thunderstorms moved through the area and produced one and three-quarters inch hail. Thunderstorm gusts to 80 mph occurred ten miles southwest of Mina (1245 CST). Very heavy rains were reported along the thunderstorm's path. Five miles southwest of Mina, 0.65 inches of rain fell in a short time. Many low-lying areas near Mina remained under water at 1545 CST.

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— SOUTH DAKOTA									
Meade, Pennington & Haakon Counties	07	1420-1830 CST			0	0	4	?	Funnel Clouds, Hail, High Winds, Heavy Rain
									Thunderstorms moved from near Sturgis at 1420 CST to Philip by 1830 CST, producing several funnel clouds; one at Piedmont at 1530 CST and one north of Rapid City at 1540 CST. Hail was reported, with two inch diameter hail occurring at Piedmont (1525 CST) and Rapid City Airport (1601 CST). One and three-quarters inch diameter hail fell at Sturgis (1430 CST) and Badlands National Park (1830 CST). The large hail fell for 45 minutes at Sturgis. The hail damaged roofs in Rapid City and broke windows and damaged siding on buildings north of Farmingdale (1732 CST). Sturgis received more than two inches of rain in a short period of time, which produced some street flooding. Sandbags were used to divert water in some areas. Thunderstorm winds gusted to 58 mph at Rapid City Airport (1608 CST), 50 mph at Badlands National Park (1830 CST) and 80 mph at Philip (1820 CST). A Civil Air Patrol hangar on the north side of the Rapid City Airport was severely damaged by winds as thirty feet of roof and walls were blown 100 feet to the south.
Dewey & Ziebach Counties	07	1450-1925 CST			0	0	0	3	Lightning, Hail
									Lightning started several rangeland fires near Eagle Butte. 500 acres of grassland were burned 23 miles southwest of Eagle Butte and hay stacks were burned 38 miles east of Eagle Butte. Extensive hail was reported ten miles southeast of Eagle Butte at 1530 CST.
Faulk County	07	1500-1900 CST			0	0	3	4	Heavy Rain, Hail, Lightning
									Thunderstorms produced heavy rainfall of 1.34 inches in thirty minutes at Faulkton, causing minor street flooding and water damage to some buildings when water overran the gutters. Hail hit Faulkton on three separate occasions (1510 CST, 1530 CST and 1710 CST). Hail, up to one and three-quarters inch, was reported. The hail caused severe damage to crops five miles north of Faulkton with some hail damage west of Faulkton. Streets were white with hail in Faulkton and the hail remained on the ground for hours. As a result of lightning, some lightbulbs burned out in homes between Seneca and Onaka.
Corson County	08	2130-0000 CST			0	0	2	3	Lightning
									Eight to ten fires were started by lightning in western and central Corson County. A former schoolhouse burned south of McIntosh near the Grand River. The fires included a range from 25 miles south of Watauga to south of McIntosh near the Grand River, and north of both McIntosh and Watauga to north of Timber Lake and Firesteel.
Kingsbury County	08	Late Eve			0	0	4	0	Lightning
									A lightning related fire destroyed a garage southwest of DeSmet.
Walworth County	09	0430 CST			0	0	3	0	Lightning
									Twenty large bales of hay were destroyed by lightning west of Selby.
Hand & Beadle Counties	09	0700 CST			0	0	4	0	Lightning
									Lightning struck a home six miles north of Wessington. The roof and second story were gutted and there was heavy smoke and water damage to bottom level.
Southeast South Dakota	09	Morning			0	0	3	0	Lightning
									Lightning destroyed several large round straw bales and an outbuilding north of Gregory. Lightning also struck a fiberglass antenna in Yankton, destroying it.
Corson, Ziebach and Dewey Counties	11	1043-1425 CST			0	0	2	3	Lightning
									Lightning set off eleven fires in the Cheyenne River Indian Reservation area. Twenty acres of grassland were burned two miles northeast of Bear Creek, as well as two acres of grassland 18 miles southwest of Eagle Butte. 600 acres of grassland were burned eight miles southwest of Lanry, 3,000 acres of grassland were destroyed in two fires north of Eagle Butte, and several other areas north of Firesteel, McIntosh, Bullhead and Isabel experienced lightning-related fires. A lightning-caused fire burned hay bales 33 miles east of Eagle Butte.
Pennington County	11	1830 CST short narrow			0	0	0	0	Tornado (FO)
									A tornado was reported two miles west of Quinn. No damage was reported.
Pennington County	11	1833 CST short narrow			0	0	0	0	Tornado (FO)
									A tornado was reported nine miles east-southeast of Creighton. No damage was reported.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— SOUTH DAKOTA									
Pennington County	11	1857 CST	short narrow	0	0	0	0	0	Tornado (F0)
			A tornado was reported four miles east-northeast of Quinn. No damage was reported.						
Haakon County	11	1912 CST		0	0	2	0	0	High Wind
			Thunderstorm winds gusted to 80 mph in Philip and caused some damage to small buildings and trees.						
Corson County	11	2045 CST		0	0	0	0	0	Funnel Cloud
			A funnel cloud was spotted twelve miles south of McIntosh.						
Faulk, Hand and Beadle Counties	11	Evening		0	0	3	0	0	Lightning
			Lightning hit a home in Faulkton, knocking out phone service and damaging a television. Lightning also struck a home northwest of Wessington, blowing a hole in the roof, knocking chunks of sheet-rock off interior walls, ruining several appliances and damaging wiring and phone circuits. South of Wessington, a lightning-caused fire burned two stacks of hay.						
Hamlin County	11	Evening		0	0	4	0	0	Lightning
			Lightning killed fifteen (500-600 pound) holsteins in Bryant.						
Gregory County	11	2115 CST		0	0	2	0	0	High Winds
			Thunderstorm winds gusted to 55 mph in Gregory and caused some damage to a two-block area.						
Hutchinson County	11	2353 CST		0	0	2	0	0	Lightning
			Lightning struck a church bell tower in Tripp and damaged light switches inside the church.						
Codington County	12	0030 CST		0	0	?	0	0	Lightning
			Lightning caused a power outage in the east side of Watertown from 0030-0230 CST.						
Clay & Union Counties	12	0130-0200 CST	20	30	0	0	3	0	Tornado (F1)
			Along a path from Meckling (0133 CST) to five miles southwest of Alcester (0200 CST), a tornado was on the ground 30% of the distance. The tornado downed trees and twisted and flattened several small buildings, including two corn cribs southwest of Alcester.						
Clay & Union Counties	12	0130-0200 CST		0	1	5	3	0	High Winds, Heavy Rains
			Thunderstorm winds gusted to 70 mph from southwest Clay County to southwest of Alcester. The strong winds destroyed roofs on steel bins just southwest of Meckling (0130 CST), and two buildings were destroyed on a farm. In Meckling (0134 CST), a mobile home was moved 55 feet and rolled and flattened into a home. The trailer was destroyed and the home had a large hole in an exterior wall. A man inside the trailer was trapped and suffered broken bones and bruises. Trees were downed in Meckling and Vermillion. Strong winds knocked out street lights and phone service in Meckling and Vermillion (0140 CST). Southwest of Alcester, a machine shed wall was blown off and the door blown several hundred feet away. Falling tree branches broke several house windows and the strong winds snapped two utility poles, causing power outages southwest of Alcester for two hours. Some crop damage was caused by the high winds, with some corn and soybeans flattened between Alsen and Alcester. Near Vermillion, two inches of rain fell in a short period of time.						
Lake & Moody Counties	12	Early Morning		0	0	2	0	0	Lightning
			Lightning damaged several trees and utility poles, causing a two hour outage near Lake Madison. In the southeast part of Flandreau, lightning hit a power line, causing a power outage.						
Lawrence & Meade Counties	15	1700-1710 CST		0	0	3	?	0	Hail
			Hail, one to one and one half inch in diameter, fell along a part of the Bear Butte River Valley, damaging several vehicles and destroying windows and shingles on houses. Some hail remained on the ground the following morning.						
Tripp, Gregory and Charles Mix Counties	16	0400-0700 CST		0	0	3	2	0	High Winds, Heavy Rains
			Thunderstorm winds caused some crop damage near Witten (0400 CST) and damaged a 40' x 40' machine shed, including a combine inside, northeast of Platte. Heavy rains in the area were: 1.5 inches in two hours at Witten, 2.6 inches in three hours at Lake Andes and 2.2 inches in three hours at Pickstown.						
Faulk County	16	1955 CST	short narrow	0	0	3	0	0	Tornado (F1)
			A tornado touched down twelve miles north of Zell, resulting in downed trees and damaged buildings.						
— SOUTH DAKOTA									
Faulk, Edmunds and Brown Counties	16	1845-2055 CST		0	0	?	?	?	High Wind, Rains, Hail, Lightning
			Thunderstorms moved through this area producing three-quarters inch hail at Loylton (1845 CST), three miles north of Mecota (1905 CST), Stratford (2045 CST) and Ferny (2055 CST). Thunderstorm winds were very strong at three miles north of Chelsea and Stratford. Lightning struck a hog barn near Loylton, stripping the shingles on one side of the roof and splintering the siding on the wall. Heavy rain from the thunderstorms fell over the area, with one and one-half inches of rain in twenty minutes, three miles north of Chelsea.						
Gregory County	16	Evening		0	0	4	0	0	Lightning
			Lightning started a fire in a house east of Gregory, causing ten thousand dollars in damage.						
Bennett County	19	0037 CST		0	0	3	?	0	Hail
			One and three quarters to two and one quarter inch hail fell in a small area near Sweet. Hail broke windows in houses and cars, and lawns, crops and some buildings were damaged.						
Pennington & Meade Counties	19	1544-1701 CST		0	0	4	?	0	Hail, Wind, Rain, Funnel Cloud
			Hail ranging in size from one inch to one and three-quarters inch in diameter fell over the eastern Black Hills. Keystone (1544 CST), Silver City (1605 CST) and Johnson Siding (1620 CST) all reported large hail. At Keystone, the hail damaged gardens and caused several roofs to leak. The housing center, one mile east of Mt. Rushmore, reported broken windows due to the hail. South of Hill City and at Rapid City, smaller hail accumulated to a depth of two to three inches. A funnel cloud was sighted five miles north of Rapid City (1612 CST). The thunderstorms produced heavy rainfall with three-quarters of an inch in thirty minutes at Johnson Siding and 1.31 inches in 45 minutes at Rapid City. The heavy rainfall caused some minor flooding in downtown Rapid City. Thunderstorm winds gusted to 50 mph at the Rapid City Airport (1645 CST). The strong winds destroyed a quonset hut and overturned a tractor five miles east of the Rapid City Airport.						
Custer County	20	Late Afternoon		0	0	?	?	0	Lightning
			Lightning caused a small fire just south of Custer.						
Northwest and Central South Dakota	21	0300-1100 CST		0	0	4	3	0	Hail, Winds
			Hail, ranging from one and one-quarter to four and one-half inches in diameter, high winds around 60-65 mph, and heavy rain was reported throughout the area. There was widespread damage to automobile windshields, home windows and roofs, crops and pastures.						
Haakon & Jackson Counties	21	0620 CST		0	0	0	0	0	High Winds
			Thunderstorm winds gusted to 60 mph, eight miles northwest of Cottonwood.						
Northern South Dakota	21-22	Late Eve. Morning		0	0	6	4	0	High Winds, Hail, Lightning
			Intense thunderstorms moved from near Shadehill Reservoir in north-west South Dakota late in the evening of August 21 to northern Brown County in northeast South Dakota after sunrise on August 22. The thunderstorms produced strong winds, large hail, heavy rain and lightning, with considerable crop and property damage caused mainly by the winds and hail. Wind gusts ranged from 55 mph at Mobridge to 60 mph in and near Akaska, to 70 mph at Onaka and Faulkton to 72 mph at Hoven. Widespread damage was reported throughout the area. Many mobile homes, storage shed, pole barns, silos, barns, houses, roofs, campers, boats, etc., were damaged or destroyed. Three-quarters inch hail caused damage at Lemmon Airport and Country Club where hail dug marks in the greens and was 2-4 foot deep in ditches, covering the roads in some areas with hail drifts. Nine miles south and four miles west of Keldron, two and three quarters inch hail fell for 40 minutes, breaking windows and piling in ditches to a depth of four feet. Hail in the northcentral part of South Dakota was so intense that it killed wildlife and made livestock bleed. Crop damage in that part of South Dakota from hail was extensive, with many fields stripped bare. The intense thunderstorms also produced brief heavy rainfalls ranging from .75 to over 4.50 inches. These brief rains, within a short period of time, caused lowland flooding, creek beds to fill, and placed some roads under water. Frequent lightning accompanied the thunderstorms over northern South Dakota, causing power outages, killing livestock, and starting fires in pastures and hay bales.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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

— SOUTH DAKOTA

Northern & Eastern South Dakota	22	Late Afternoon & Eve			0	0	5	?	Hail, High Winds, Flash Flooding, Lightning, Rains
<p>Intense thunderstorms moved from northwest South Dakota late in the afternoon to eastern South Dakota late in the evening. These storms passed over northern South Dakota where intense thunderstorms had moved through earlier in the day. These severe thunderstorms had wind gusts to 70 mph and caused widespread damage to homes, businesses, buildings, churches, mobile homes and signs. Vehicles were overturned, buildings were removed from their foundations, trees were uprooted, phone service was disrupted for days, and power outages occurred. Three quarter to one and one half inch diameter hail was widespread. Rainfall, ranging from one inch to near two inches, caused flooding over much of the area, leaving low-lying roads under water. Frequent lightning accompanied the thunderstorms, causing fires which destroyed livestock and grain.</p>									
Walworth County	22	1940 CST	short narrow		0	0	0	0	Tornado (F0)
<p>A tornado touched down one mile west of Selby. No damage was reported.</p>									
McPherson County	22	1947 CST	short narrow		0	0	0	0	Tornado (F0)
<p>A tornado touched down four and one half miles south of Eureka. No damage was reported.</p>									
Hand County	22	2100 CST	.2	20	0	0	3	0	Tornado (F1)
<p>A tornado touched down just north of Miller, overturning two augers, removing a roof from a shed and lifting a continuous flow dryer off its foundation. Windows, shingles and an antenna were taken off a house and a door was blown off a machine shed. Across a field, the tornado downed a utility pole.</p>									
Brown County	22	2152 CST	short narrow		0	0	0	0	Tornado (F0)
<p>A tornado touched down two miles north of Aberdeen. No damage was reported.</p>									
Brookings County	23	1745 CST			0	0	0	0	High Winds
<p>Thunderstorm winds gusted to near 60 mph at Brookings.</p>									
Hutchinson & Turner Counties	28	Morning			0	0	2	?	Hail, High Winds
<p>Hail of unknown size and strong winds from thunderstorms occurred at Freeman and to the east. The hail caused minor damage to homes in Freeman and caused crop damage east of Freeman.</p>									
Buffalo, Aurora and Brule Counties	29	0740-0900 CST			0	0	3	3	Hail, High Winds, Heavy Rain
<p>Hail, one-half to one and three-quarters inch in diameter, fell in these counties, causing considerable damage to crops, windows, mobile homes, houses, autos, etc. Thunderstorm winds gusted to 60 mph at Kimball, White Lake and Plankinton, downing power lines and uprooting trees.</p>									

40 TENNESSEE

Cocke County	01	1000EST					4		High Wind
<p>A violent burst of wind during a thunderstorm ripped a large hole in the roof of a paper mill on Rankin Road. Windows were also shattered inside the plant. A sprinkler line was burst, and a shed was damaged as well. Two cars in a nearby parking lot were damaged by flying debris.</p>									
Chattanooga, Hamilton County	07	Afternoon					3		Heavy Rain
<p>Heavy thunderstorm rains caused urban flooding in low-lying areas of Chattanooga. At 23rd St. and 4th Ave., water was up to the doors of vehicles. Water entered and damaged several cars.</p>									
Somerville, Fayette County	10	Afternoon					3		High Wind
<p>Gusty winds from a thunderstorm blew down several trees. One tree fell on a house, causing minor damage.</p>									
South Central Tennessee	16	Afternoon							
<p>The remnants of Hurricane Danny initiated thunderstorms in northern Alabama which spawned several tornadoes and funnel clouds. This activity moved northward into Tennessee. The individual events as they are known are detailed as follows.</p>									
Giles County	16	1400CST	12.0	500	0	1	5	?	Tornado (F3)
<p>A strong tornado touched down 2 miles north of Pulaski near the Pigeon Roost community and traveled northward 12 miles to the Giles-Maury county line, causing nearly \$375 thousand in property damage and 1 minor injury. An insurance agent said at least 25 houses, up to 40 barns, and 20 automobiles were destroyed or damaged. The minor injury occurred when one woman was scratched up as her home was damaged by falling trees; she was not hospitalized. One woman whose home was completely destroyed by the tornado survived by getting in an interior closet; a man evacuated his trailer in favor of a culvert, and the tornado toppled and blew his mobile home 35 feet.</p>									

— TENNESSEE

Giles County	16	1430CST							Funnel Cloud
<p>A funnel cloud was observed north of Pulaski moving northward, and was seen at various points along Highway 31.</p>									
Giles County	16	1530CST	5.0	60	0	0	3	?	Tornado (F2)
<p>A tornado touched down about 4 miles southwest of Lynnville near the Waco and Bufords communities, and traveled 5 miles north to near the Giles-Maury county line, closely following the path of the strong tornado that occurred 1 1/2 hours previously. The second tornado was of an intermittent nature, and only minor damage resulted.</p>									
Giles County	16	1545CST							Funnel Cloud
<p>A funnel cloud was observed over the same areas as the previous two tornadoes and funnel cloud that occurred during the preceding hour and 45 minutes, near the Waco community along Highway 31.</p>									
Maury County	16	1415CST							Funnel Cloud
<p>A funnel cloud was observed entering the county near Stiversville and was observed crossing over the county to near Theta.</p>									
Maury County	16	1500CST							Funnel Cloud
<p>A funnel cloud was seen along Highway 7 in the southeastern part of the county.</p>									
Maury County	16	1600CST							Funnel Cloud
<p>A funnel cloud again entered the county near Stiversville and was seen to cross over the county to west of Theta, taking about the same path as one that occurred an hour and 45 minutes before.</p>									
Maury County	16	1620CST							Funnel Cloud
<p>The fourth funnel cloud of the afternoon was seen again near Stiversville.</p>									
Lincoln County	16	1600CST	7.0	70	0	0	3	?	Tornado (F2)
<p>A tornado touched down 1 mile northeast of Coldwater and moved 7 miles north before lifting off the ground near the Bonshill community. The tornado was intermittent, and caused only minor property damage, such as tin blown off of roofs.</p>									
Williamson County	16	1750CST	1.0	30	0	0	3	?	Tornado (F1)
<p>A weak tornado touched down in the Flat Creek area 3 miles west of College Grove. The tops of a barn and a garage were damaged, and several trees were uprooted.</p>									
Winchester, Franklin County	24	Morning					2		Lightning
<p>Lightning struck a house and caused a minor fire.</p>									
Lincoln County	24	1300-1400CST					4		High Wind, and Lightning
<p>Violent thunderstorm winds caused damage in the Brighton community. Numerous trees were downed in this area, and one tree fell on the carport of a house, causing \$4,000 worth of damage. Lightning struck and killed 22 head of cattle, with a loss of \$30-35 thousand.</p>									
Knox County	25	1930EST					5	?	High Wind
<p>Damage occurred in the Halls and Powell areas of northern Knox County as violent thunderstorm downdraft winds blew down carports, ripped off roofs, and downed numerous trees. The straight-line winds, estimated between 75 and 100 mph, affected an area several hundred yards wide and 2 miles long. One grocery store had 75% of its roof ripped off. Damage occurred to vehicles caught under fallen carports. One small car was reportedly moved 100 yards, and a pickup truck was blown into a brick house, causing considerable damage to both. Many roofs were damaged by fallen trees.</p>									
Morristown, Hamblen County	25	Evening					4		High Wind, and Heavy Rain
<p>A building housing a market and other shops collapsed because of heavy rains that fell in a short period of time. Trees were blown down by the high winds of the thunderstorm.</p>									
Nances Grove, Jefferson County	25	2000-2100EST					3	3	High Wind, and Heavy Rain
<p>High winds during a thunderstorm downed many trees and damaged or destroyed several barns and their contents. 2 inches of rain fell in an hour, causing storm drains to back up; this enabled water to enter the New Market School, causing minor damage.</p>									
Sumner County	30	1500-1600CST					2	3	High Wind, Hail, and Lightning
<p>Two homes were struck by lightning in Hendersonville, causing minor damage to both. Large hail fell northwest of Portland, causing damage to tobacco crops 3 miles northwest of the town. Small trees were downed by the high winds of the thunderstorm, and sporadic power outages occurred.</p>									
Cleveland, Bradley County	30	Late Afternoon					3		Lightning
<p>Three houses were struck by lightning, causing minor fire and smoke damage at two of the houses.</p>									
Sullivan County	30	Late Afternoon					?		Lightning
<p>Lightning struck a house in the Coaks Valley area of Sullivan County, and a barn was struck also, causing both to burn.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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	

TENNESSEE

Greene County	30	Late Afternoon							2	Lightning
Lightning caused a fire in a barn in the central part of the county.										
Donelson, Davidson County	30	1830CST							3	Lightning, and High Wind
A heavy thunderstorm caused damage in the Donelson area of Davidson County. Lightning struck a house, causing holes to be punched in an outside wall and a ceiling. High winds blew over several trees, and power was briefly disrupted to many area residents.										
Montgomery County	30	Early Evening	2.0	30	0	0	2	4		Tornado (F1), and Hail
A tornado touched down 1 mile east of Fredonia Crossroads, causing slight roof damage to a house. The weak tornado lifted off the ground 1/2 mile eastnortheast of Shady Grove. Large hail that accompanied the tornado caused considerable crop damage.										

41 TEXAS, Northern

Shelby County	2	1330CST								Hail
3/4 inch hail was reported near Center.										
Tarrant County	2	1726CST								Thunderstorm Winds
Winds gusting to 81 mph were recorded at DFW airport. Several trees just north of the airport were downed and a trailer from an 18 wheeler truck was overturned.										
Eastland County	7	1500CST								Thunderstorm Winds
Winds overturned several stock tanks at Rising Star. Several homes in the area sustained roof damage and broken windows, and a few mail boxes were blown over.										
Navarro County	7	1545CST-1610CST								Thunderstorm Winds, Hail
Spotters reported 3/4 inch hail near Chatfield at 1545CST, followed by several power poles being blown over near Kerens at 1610CST.										
Nacogdoches County	7	1603CST								Thunderstorm Winds
Sheriff's Deputies reported trees blown down across the road just north of Garrison.										
Anderson County	7	1715CST-1600CST								Thunderstorm Winds
Winds blew down trees near Frankston at 1715CST. Trees were also reported downed at Palestine at 1600CST.										
Freestone County	7	1715CST								Thunderstorm Winds
Winds blew down a building under construction 2 miles east of Fairfield.										
Angelina County	7	1719CST-1745CST								Thunderstorm Winds, Hail
Department of Public Safety Officers reported one inch hail one mile south of Lufkin at 1719CST. As the storm intensified, winds were clocked to 83 mph at the Lufkin Airport at 1745CST. Four aircraft were overturned, trees and power lines were downed and several homes and hangars were damaged. Nearby office buildings were also damaged. Damage was estimated to be near \$1 million.										
Cherokee County	7	1725CST-1730CST								Thunderstorm Winds
Thunderstorm winds downed trees one mile northeast of Rusk at 1725CST. In Jacksonville at 1730CST, spotters reported thunderstorm winds downed power lines.										
Cass County	7	1755CST								Hail
Hail to 3/4 inch was reported between Huffines and Kildare.										
Trinity County	7	1805CST								Thunderstorm Winds
Winds to 60 mph were reported in eastern parts of the county.										

TEXAS, Northern

Harrison County	7	1822CST								Hail
One inch hail was reported at Elysian Fields.										
Sabine County	7	1830CST								Thunderstorm Winds
Thunderstorm winds downed trees onto a road and a car near Milan. In addition, several nearby power lines were downed.										
Ellis County	20	1430CST								Thunderstorm Winds
Thunderstorm winds were clocked to 62 mph in the Bristol Community.										
Ellis County	24	1209CST-1229CST								Thunderstorm Winds
Winds downed trees and damaged roofs 2 1/2 miles east of Ennis at 1209CST. At 1229CST, several homes sustained roof damage just west of Waxahachie.										
McLennan County	24	1430CST								Thunderstorm Winds
Winds estimated at 70 mph overturned several 5000 pound dog kennels 12 miles south of Waco.										
Trinity County	24	1718CST								Thunderstorm Winds
Winds destroyed a carport and a barn in Trinity. Several homes sustained roof damage and a number of power lines were downed.										
Tarrant County	24	1712CST								Thunderstorm Winds
Winds were clocked to 60 mph in north Ft. Worth.										
Throckmorton and Shackelford Counties	26	1705CST								Hail
The Sheriff's Office reported golfball size hail on the county line between Throckmorton City and Albany.										
Runnels County	26	1914CST								Thunderstorm Winds
Winds estimated to 70 mph downed trees and power lines in Miles. Several mobile homes and sheds were damaged.										
Woods County	27	1500CST								Hail
One inch hail was reported near Quitman.										
Nacogdoches County	27	1600CST								Thunderstorm Winds
Winds to 60 mph were reported at Cushing, with several trees and power lines downed.										

41 TEXAS, Southern

Hardin and Tyler Counties	2	1730CST								Hail, Wind
3/4 inch hail and winds estimated at 65-70 MPH were reported by a cooperative observer on the Hardin-Tyler County line. Damage was not reported.										
Jefferson County	2	1745CST								Hail, Wind
3/4 inch hail was reported by an off duty NWS employee 5 miles west of Port Acres on Hwy 73. Winds were also estimated between 60-65 MPH. Damage was not reported.										
Chambers County	3	1840CST								Wind
High winds from a thunderstorm was reported by the sheriffs department near Lake Anahuac. WSO at Calveston reported a wind gust to 52 MPH at 1920 CST. Damage was not reported.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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

— TEXAS, Southern

Southeast Texas	15	Morning							Outer fringe of Hurricane Danny
<p>Hurricane "Danny" skirted southeast Texas and made landfall 55 miles southeast of Lake Charles, La. near Pecan Island. The storm had a very minimal effect on southeast Texas and the upper Texas coast. Highest wind at Beaumont was a peak gust to 39 MPH at 1313CST. Galveston peak gust was to 30 MPH from the northwest at 1441CST. Tides were generally 2-3 feet, with very little beach erosion. State Highway 87 from Sabine Pass to High Island was closed for a short time because of debris and sand that washed upon the roadway from the high tides. Bon Weir, an extreme eastern Newton county reported the heaviest rainfall in the area, with 1.85 inches. Beaumont had only .07 inches of rain, while not a drop fell in Galveston.</p> <p>About 2,000 persons evacuated the west end of Galveston Island. Several hundred persons voluntarily left Bolivar Peninsula. Evacuation was requested for Sabine Pass and several hundred persons fled.</p>									
Fort Bend and Harris Counties	20	1750-1840CST			0	1	0	0	Lightning, Wind
<p>Thunderstorm winds gusting to near 70 MPH were reported in the western part of Harris County near Katy. Also, high winds were reported in the western part of Fort Bend County. Damage was not reported. Lightning struck and injured a man while he was jogging.</p>									
Matagorda County	25	1550CST			0	0	4	0	Wind
<p>Thunderstorm winds did heavy damage to a trailer park in Wadsworth which is located 10 miles south of Bay City. Several trailers were overturned. There was some roof damage to homes and commercial buildings in the area. Tree limbs in the area were also downed.</p>									

41 TEXAS, Western

Sherman County	06	1803CST							Hail
<p>Marble- to golf ball-sized hail fell in Stratford.</p>									
Armstrong County	06	1910CST			0	0	0	0	Hail
<p>Up to 3/4 inch sized hail fell in Claude.</p>									
Winkler County	13	1525CST	Short	25	0	0	0	0	Tornado (F0)
<p>A small tornado, 16 miles east of Kermit, dipped down briefly.</p>									
Collingsworth County	23	1518CST			0	0	4	?	Hail
<p>Golf- to baseball-sized hail caused considerable damage to Samnorwood and surrounding communities. Several cotton fields were totally destroyed. Many buildings were damaged and windows broken. Metal roofs looked like someone had taken a large hammer and beat them.</p>									
Tom Green County	26	1932-2023CST			0	0	5	?	Wind
<p>A very heavy thunderstorm moved southwestward across eastern Tom Green County with high and damaging wind. There were numerous reports of trees and some power lines blown down as a result of the high winds. Other reports of damage included some mobile homes and many reports of storage buildings damaged.</p>									

42 UTAH

Salt Lake County	26	1710MST							Thunderstorm Winds
<p>A strong gust associated with a severe thunderstorm damaged 8 small planes at Salt Lake Airport number two. The gust was estimated at 72 mph by airport personnel.</p>									
Salt Lake County	26	2005MST			0	0	1	0	Thunderstorm Winds
<p>A spotter in Sandy, Utah reported a gust to 91 mph on his home anemometer. No damage was reported in this area.</p>									
Weber County	26	2045MST			0	0	1	0	Thunderstorm Winds
<p>An anemometer at the Great Salt Lake Minerals Company recorded a gust to 69 mph with heavy thundershower activity. Great Salt Lake Minerals is about 10 miles northwest of Ogden.</p>									
Weber County	27	1955MST			0	0	1	0	Thunderstorm Winds
<p>The Great Salt Lake Minerals Company had a gust to 69 mph with thundershower activity. No damage was reported.</p>									

43 VERMONT

Peru, Bennington County	15	1700EST							Thunderstorm
<p>Thunderstorm caused damage to trees and powerlines in Peru (32 ESE GFL). 1.95 inches of rain was recorded.</p>									

44 VIRGINIA

Patrick and Roanoke Counties	17-18	1700EST-0300EST							Flash Flood
<p>Light rain fell across southwestern Virginia along a frontal boundary on Friday 16 August, and the remains of Tropical Storm Danny moved into the area Saturday 17 August bringing additional heavy rainfall. The heaviest rain fell in the Roanoke Valley between 5pm EST, Saturday night and about 3am, Sunday morning. At 1020pm EST, the South Mayo River was reported to be coming out of its banks and rose rapidly to 16 feet. Rainfall totals were from 7-8 inches, with some estimates at 10 inches. Flood waters from the river flooded the town of Stuart in Patrick County, with major damage in the industrial area. The Masonite Corporation had about \$1.3 million in damage while J.P. Stevens had about \$5 million. Total damage was about \$10 million, with the county being declared a disaster area.</p>									
Henrico County	30	1922 EST			1	0	0	0	Lightning
<p>A 38 year old Richmond man was struck and killed by lightning as he walked from a plane at Byrd airport.</p>									

45 WASHINGTON

IN Warden, Grant County	10	1300PST	1.0	100	0	0	0	4	Tornado (F1)
<p>Car passengers stopped and saw a funnel lower from a cumulonimbus mammatus cloud onto a wheat field. The tornado appeared quasi-stationary on the ground for 5-10 minutes. The ground in the path of the funnel cloud was churning upwards and rotating rapidly counterclockwise. Crop damage was visibly moderate. Although rain and wind were reported, no hail was observed.</p>									

46 WEST VIRGINIA ————— NONE REPORTED

47 WISCONSIN

West Central Lake Michigan	05	2045CST							Thunderstorm Winds
<p>A severe thunderstorm with gusts up to 90 mph was reported by the ship "City of Midland 41" 35SE of Kewaunee.</p>									
Chippewa County	05	1340CST			0	0	4	0	Thunderstorm Winds
<p>A severe thunderstorm felled trees and power lines in Cornell. A roof was partly torn off a grade school and \$2000 worth of windows blown out of a tire store.</p>									
Price County	06	1427CST			0	0	0	?	Hail
<p>Hail up to 1 inch in diameter fell from a severe thunderstorm at Phillips.</p>									
Ashland County	06	1520-1545 CST			0	0	0	?	Thunderstorm Winds
<p>Severe thunderstorm winds gusting to 60 mph blew down several large trees and power lines near Ashland and across the northern part of the county.</p>									
Wood County	06	1530CST			0	0	4	?	Thunderstorm Winds
<p>Intense thunderstorm winds uprooted many trees and caused minor damage to several homes at Pittsville.</p>									
Sawyer County	06	1550CST			0	0	0	?	Thunderstorm Winds
<p>A severe thunderstorm leveled several large trees which briefly blocked Highway 44, 5N of Lake Chippewa.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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

WISCONSIN

Dunn County	06	1630CST			0	0	5	4	Lightning
Lightning struck near a 36 X 90 foot barn near Colfax. The resulting fire destroyed the barn and a milkhouse, as well as 7000 bales of hay and 700 bales of straw, and killed 1 heifer.									
Dunn County	09	0920CST			0	0	5	0	Lightning
A home near Colfax was hit by lightning and the resulting fire gutted the house and destroyed its contents.									
Chippewa County	09	1120CST			0	0	4	0	Lightning
Lightning struck a lone tree, traveled down into its roots and electrocuted 23 cows from below, 4N of Cadott.									
Monroe County	09	1625CST			0	3	0	0	Lightning
3 marine reservists were injured when nearly hit by a lightning bolt, IN of Fort McCoy.									
Adams County	09	2115CST			0	0	4	0	Thunderstorm Winds
Strong thunderstorm winds damaged 3 residences near Easton, as well as uprooting several large trees.									
Statewide									
Afternoon of the 12 into the early morning hours of the 13th.									
Early in the afternoon of the 12th, a small line of severe thunderstorms entered western Wisconsin and swept across the state. Over \$7.5 million in damage occurred. Four tornadoes and numerous severe thunderstorms caused 3 deaths and 39 injuries, with the southwest and central portions of the state receiving the brunt of the storms' force. Dollar damage included: Wood County \$5.5 million; Portage County \$950,000; Juneau County \$550,000; Eau Claire County \$250,000; Clark County \$110,000; and Outagamie County \$52,000.									
Eau Claire County	12	1615-1630 CST			0	0	5	4	Thunderstorm Winds
Thunderstorm downburst winds caused \$250,000 property damage and over \$40,000 in crop losses along an 8 mile path from Highway 53 X 11, 1SE of Eau Claire to Highway 12 at Fall Creek. In all, 10 dwellings and farm buildings, as well as farm equipment and 100 acres of crops, were damaged.									
La Crosse County	12	1730CST			0	0	3	0	Thunderstorm Winds
Violent thunderstorm winds uprooted a large tree which heavily damaged a house near Burns.									
Vernon County	12	1740CST			0	0	?	?	Hail
Up to 1 inch diameter hail was deposited by a severe thunderstorm in Westby.									
Clark County	12	1755-1809 CST	1.25	150	0	0	5	?	Tornado F1
A small tornado touched down NSE of Neilsville along Blueberry Lane in the Town of Washburn. The tornado moved northeast and caused \$110,000 damage to a machine shed and barn, and toppled numerous trees including a 100 year old forest of pines.									
Crawford County	12	1810-1845 CST			0	0	5	5	Thunderstorm Winds
Thunderstorm downburst winds caused over \$100,000 in damage from 1W of Eastman to 1S of Seneca to Rolling Ground. In all, 8 barns were destroyed or damaged along with several outbuildings and machine sheds. Numerous trees and power lines were downed. At least 200 acres of apple trees and tobacco were severely damaged.									
Hood County	12	1813-1830 CST	10.0	880	0	14	7	6	Tornado F2
A tornado formed 6S of Marshfield along Highway B, traveled northeast across Highway EE and then slammed into Auburndale. Over \$5.5 million in damage occurred to 50 dwellings and 40 farms. Over \$700,000 in crop damages also took place. The Apache Gardens subdivision as well as the Wishkeshen Trailer Park in Auburndale received substantial damage.									

WISCONSIN

Monroe and Juneau Counties	12	1835-1905 CST	22.0	880	2	22	6	5	Tornado F2
A killer tornado set down 1S of Kendall in Monroe County, destroying a barn and damaging a home before moving northeast into Juneau County. The tornado moved from the countryside into New Lisbon, ripping through a trailer court on the northern edge of town before dissipating on the north edge of Castle Rock Lake. A woman was killed, her husband died a few days later and 22 persons were injured when the tornado struck the trailer court. 17 of the 35 mobile homes were destroyed, 3 homes and a gasoline station just north of the court were also damaged. Numerous trees and power lines were downed, including 100 acres of forest at Buckhorn State Park. Over \$550,000 in damage occurred in Juneau County and \$70,000 in Monroe County.									
Marathon County	12	1905CST			0	0	?	?	Thunderstorm Winds
Severe thunderstorm winds uprooted trees and damaged a few outbuildings in the Half Moon Lake, Mosinee, and Big Eau Pleine areas.									
Portage County	12	1920-2000 CST			0	0	6	5	Thunderstorm Winds
Thunderstorm downburst winds caused over \$950,000 in damage to several rural communities. Barns were knocked down, homes damaged, numerous trees uprooted and power lines felled. A barn, boat, combine and most of a Norway pine plantation were destroyed 1NW of Stockton. A roof from a house was torn off, a trailer house moved off its foundation, and a small shed blown away near Almond. A 50 X 60 foot barn and 60 foot tall silo were leveled near Keene.									
Adams County	12	1920CST			0	0	?	?	Thunderstorm Winds
Strong thunderstorm winds carved out a 4 mile, 50 yard path of destruction through a heavily wooded area 1E of Rome.									
Waushara County	12	1930-1945 CST	0.5	100	0	0	5	?	Tornado (F0), Damaging Winds
A severe thunderstorm spawned a small tornado which touched down 1W of Richford. The accompanying intense winds flattened 2 barns, damaged 5 homes and leveled many trees. Several sheds in Richford were destroyed and extensive window and roof damage occurred.									
Iowa County	12	1945CST			?	?	?	?	Thunderstorm Winds
Violent thunderstorm winds damaged homes, blew out windows and toppled trees and power lines at Highland.									
Sauk County	12	1950CST			0	0	5	?	Thunderstorm Winds
2 farm buildings and numerous trees were leveled by severe thunderstorm winds 1W of Spring Green.									
Waupaca County	12	2000-2030 CST			0	0	5	?	Thunderstorm Winds
Intense thunderstorm winds blew a barn and several trees down 3NE of Waupaca; destroyed a shed and damaged a barn 3W of Waupaca; and blew a house off its foundation 1S of Manana.									
Outagamie County	12	2030CST			0	2	5	?	Thunderstorm Winds
Thunderstorm downburst winds blew over 2 house trailers and damaged a barn and silo near Dale. 2 people in the mobile homes were slightly injured.									
Columbia County	12	2100CST			1	0	?	?	Thunderstorm Winds
Violent thunderstorm winds hit the Pardeeville and Rio areas, causing extensive tree damage. A teenage girl was killed when the storm hurled a tree onto the camper in which she was sleeping at the Silver Spring Campground near Rio.									
Dane County	12	2110CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds gusting up to 62 mph occurred in Madison.									
Rock County	12	2230CST			0	1	0	0	Lightning
A Beloit man was slightly injured when struck by lightning at his home.									
Wisconsin County	12	2245CST			0	0	?	?	Thunderstorm Winds
Strong thunderstorm winds gusting to 58 mph were reported in West Allis.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1985

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

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

WISCONSIN

Racine County	13	0100CST			0	0	4	0	Lightning
Lightning struck 3 homes in Caledonia, causing \$40,000 damage.									
Waukesha and Milwaukee Counties	17	1826-1930 CST	15.0	50	0	0	5	?	Tornado F1
A small tornado touched down just east of Monches in Waukesha County and skipped east-southeast across the towns of Merton, Lisbon and Menomonee Falls before lifting in northwest Milwaukee near 106th and Mill Road. Over \$100,000 in damage occurred to 2 barns in Merton and Lisbon, and several dwellings in Menomonee Falls and Milwaukee. Several large trees and numerous power lines were also toppled.									
Pichland County	24	0720-0735 CST			0	0	0	5	Hail
A thunderstorm produced a hail swath 10 miles long from Boaz to Richland Center. Hail up to marble size heavily damaged crops of corn and alfalfa on 15 farms and stripped leaves and branches from many trees.									
East of Milwaukee County	25	1142-1200 CST			0	0	0	0	Waterspout
A waterspout was observed 3E of the Milwaukee Coast Guard station.									
Oneida County	31	1600CST			1	0	0	0	Lightning
Lightning from a thunderstorm struck and killed a 25 year old man fishing on Mercer Lake.									

48 WYOMING

Laramie County	01	1402MST			0	0	0	0	Funnel Cloud
A funnel cloud was observed 14 miles north of Cheyenne from the NWSFO. At 1100MST there was an unconfirmed public report of a tornado 15 miles west of Buford in extreme east Albany County. Buford is about 30 miles west northwest of Cheyenne.									
Cheyenne, Laramie County	01	Evening	9.5	#8	12	70	8	0	Flash Flood, Hail
A nearly stationary severe thunderstorm, or storms, produced the most damaging flash flood on record for Cheyenne and the State of Wyoming. Twelve people lost their lives, 70 were injured, and damage to homes, cars and businesses was estimated at 65 million dollars. At the NWS Forecast Office near the airport, 6.06 inches of rain fell in just over 3 hours. Three and a half inches fell in just one hour, between 1900 and 2000MST (Figure 1). Elsewhere in and around Cheyenne, rainfall from the storm totalled between 2 and 6 inches (Figure 2). Around 1900MST cars and trucks were reported floating down Dry Creek in northwest Cheyenne (Figure 2). By 1930MST, in addition to blinding rain, hail up to 2 inches in diameter and winds to 70 MPH were occurring in the Cheyenne area. Flood waters in the city were at their height from 1900 to 2200 MST. Dry Creek became a raging torrent through north Cheyenne. Ten of the twelve deaths occurred along Dry Creek when people were swept away in their cars as they tried to cross flooded streets. A Sheriff's deputy and the child he was trying to rescue from a stranded vehicle were swept away. Many streets turned into 2 to 4 foot deep rivers with large amounts of hail floating on top. Basements of homes and businesses quickly filled up with water and hail as flood waters crashed through doors and windows. One man suffered a heart attack and died while bailing out water from his basement. An elderly woman, who had taken shelter in her basement due to earlier tornado warnings, became trapped in her basement when the flood waters came crashing through basement windows. The woman drown in her basement which filled to the ceiling. Funnel clouds were observed at 1824 and 1841MST, 5 and 3 miles, respectively, southwest of the Weather Service Office. Some basements equipped with drains were still filled with 2 to 5 feet of hail after the water drained away. In some low-lying areas of Cheyenne the hail had piled up by flood waters into 4 to 8 foot drifts. (Figures 1 and 2 refer to the recording rain gauge chart and rainfall map, respectively, shown in the Outstanding Storms section.)									
Big Horn County	02	1230MST	?	?	0	0	0	?	Tornado (F3)
A tornado moved through the Medicine Wheel District of the Big Horn National Forest. An estimated 1100 acres were damaged in several locations, including 500 acres of harvestable timber. An eye witness described the tornado as a "big black cloud which circled around, and uprooted and snapped off trees all around".									

WYOMING

Noorecroft, Crook County	05	Unknown			0	0	3	0	Thunderstorm
Severe winds accompanying a thunderstorm knocked down light and power poles. Heavy lightning and only a very small amount of rain occurred.									
Goshen County	19	1530MST			0	0	?	0	Hail
Hail up to 1 inch in diameter was reported 13 miles east-northeast of Jay Em.									
Cody, Park County	26	1740MST			0	0	?	0	Thunderstorm
A wind gust to 75 MPH was logged at the Cody airport. At 2140 MST, another gust to 75 MPH was logged. There were no reports of damage or injuries.									
Teton County	26	1810MST			0	0	3	0	Thunderstorm
Winds gusting to 77 MPH were logged at the Jackson airport. Numerous trees and power lines were downed from Jackson to Jenny Lake. Other damage was light.									
Jackson, Teton County	28	1600MST			0	0	3	0	Thunderstorm
Marble sized hail and heavy rain struck downtown Jackson. The hail did some damage to vehicles.									
Campbell County	28	1645MST			0	0	3	0	Thunderstorm
High winds with a thunderstorm 10 miles west of Gillette tore a corrugated metal roof off of a sheep shed, and sent it shearing through power lines and trees.									
Teton County	30-31	both days			0	0	5	0	Lightning
A blaze sparked by a lightning strike burned 1028 acres in Grand Teton National Park, destroying 10 cabins and inflicting an estimated \$140,000 worth of damage.									

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

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

49 ALASKA, Southeastern ——— NONE REPORTED

50 HAWAII ————— NONE REPORTED

51 PUERTO RICO ————— NONE REPORTED

52 VIRGIN ISLANDS ————— NONE REPORTED

53 PACIFIC ————— NONE REPORTED

STORM SUMMARY

AUGUST 1985

STATE	TORNADOES					HAILSTORMS				WINDSTORMS				LIGHTNING				FLOODING				HEAVY SNOWSTORMS AND BLIZZARDS				ICE STORMS				ALL OTHER			
	NUMBER	DAYS	DEATHS	INJURIES	DAMAGE	DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE		DEATHS	INJURIES	DAMAGE					
								PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS			PROP. ERTY	CROPS				
Alabama	22	2	1	16	7		?	?			4			1	?																		
Arizona										4					4																		
Arkansas										5					5																		
California																																	
Colorado	2	2					1	6	4	1	5				4																		
Connecticut	1	1			2										4																		
Delaware																																	
Florida	9	4		1	6						5			4	5	4																	
Georgia	2	1			6						3	3			5																		
Idaho											4				3																		
Illinois											?				?																		
Indiana										1	4	3		1	5																		
Iowa	8	4			4					2	5	4		1	6																		
Kansas	7	4			6		3	6	7	1	7	5	1		5																		
Kentucky											3	5			5																		
Louisiana	7	5		1	5					7	7	7	1	2	5	?																	
Maine											4			4	4																		
Maryland & DC											5			1	5														5				
Massachusetts											2				6																		
Michigan											5	5			?																		
Minnesota											4	5	1	5	5																		
Mississippi	3	2			5						?	?			?																		
Missouri														1	3	4													7				
Montana											5	3	2		4	2												6	2				
Nebraska	6	4			4						6	6			5																		
Nevada																																	
New Hampshire										1	5	o/c		1	5																		
New Jersey											?				?																		
New Mexico											5				2																		
New York	1	1			?					9	5	4	1	5	5																		
North Carolina	3	2			7	5					5	?		1	?																		
North Dakota	9	4			4						6	6	2	6	o/c																		
Ohio											3			1	5	4																	
Oklahoma											6	?	1	5	?																		
Oregon																																	
Pennsylvania	1	1			5									4	2																		
Rhode Island	1	1																															
South Carolina	4	1			39	6					3	3		4	3																		
South Dakota	10	5			3					1	4	?		6	5																		
Tennessee	5	2		1	5						2	4		5	3																		
Texas	1	1									5	?			6	?																	
Utah														4																			
Vermont														3																			
Virginia																																	
Washington	1	1			4									1																			
West Virginia																																	
Wisconsin	5	2	2	36	7					1	?	5		2	6	5	1	4	5	4													
Wyoming	1	1			?						7			4																			
Alaska	#																																
Hawaii																																	
Puerto Rico																																	
Virgin Islands																																	
Pacific																																	

REFERENCE NOTES

† Storm damage categories are from 1 to 9 as follows:

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

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

Definition of Fujita Tornado Scale (F scale)

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

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

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

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

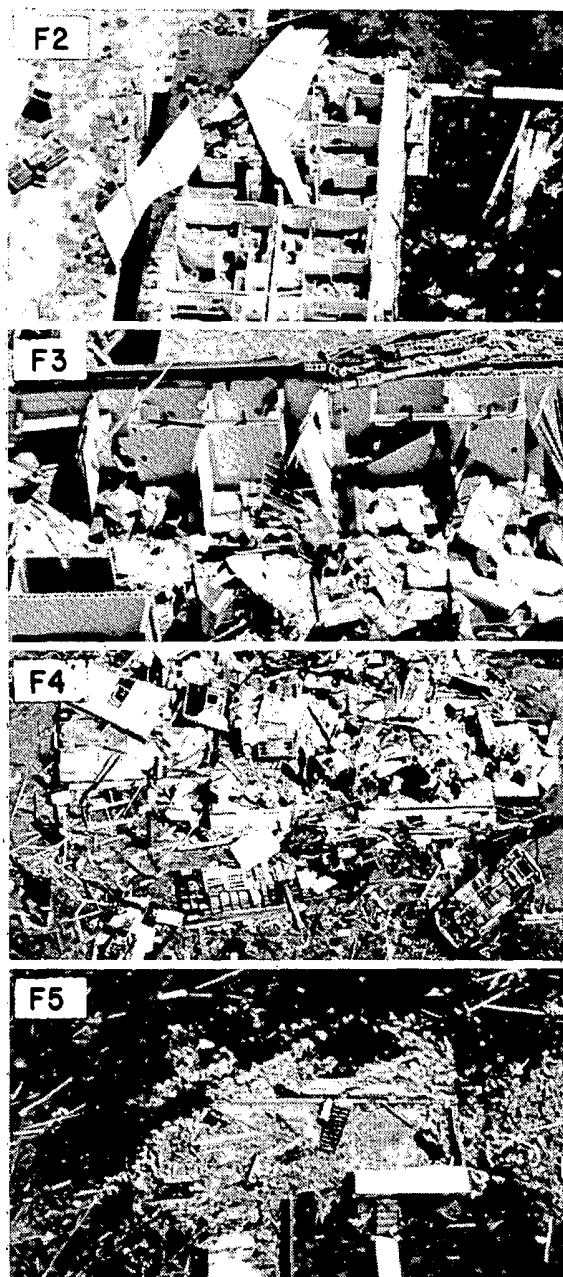
(F4) Devastating tornado (207-260 mph): Devastating damage
Well-constructed houses leveled; structure with weak foundation blown off some distance; cars thrown and large missiles generated.

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

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

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

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



USCOMM-NOAA-ASHEVILLE, NC 1985-2300

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

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