

AUGUST 1980

VOLUME 22

NUMBER 8

STORM DATA



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noaa

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

ENVIRONMENTAL DATA AND
INFORMATION SERVICE

NATIONAL CLIMATIC CENTER
ASHEVILLE, N.C.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA									
Mobile County	10	9:10a	?	?	0	0	0	0	Waterspout
									The U.S. Coast Guard reported a water spout on the western end of Dauphin Island, moving northwestward at 5 mph.
Attalla, Etowah County	11	1:05p			0	0	4	0	High Winds
									High winds during a severe thunderstorm at Attalla, a few miles west of Gadsden, removed a portion of the roof of the Attalla Recreation Center. The falling roof damaged three automobiles parked nearby. A large tent, on the lot adjoining the recreation center, collapsed. A department store, under construction a short distance away, was heavily damaged.
Oneonta, Blount County	11	1:30p			0	0	4	0	Hail and high winds
									Hail larger than golf balls and wind gusts to an estimated 70 mph was reported by the public. Roof damage was reported at the Blue Bell apparel plant, and some windows and auto headlights were broken.
Mathews, Montgomery County	13	4:30p			0	0	4	0	High winds
									A large barn was destroyed and several large trees were uprooted during a severe thunderstorm.
Birmingham, Jefferson County	17	6:00p			1	0	0	0	Lightning
									A man was struck directly by lightning and killed instantly as he was jogging around a track at Jefferson State Junior College.
Talladega, Talladega County	20	2:15p			0	0	5	0	High winds
									High winds, estimated at nearly 100 mph during a severe thunderstorm, damaged several aircraft and several hangar doors at Talladega airport. The damage total was about \$100,000.
Fairview, Cullman County	30	4:00p			0	0	4	3	High winds
									High winds in a severe thunderstorm destroyed a chicken house and damaged trees and crops near Fairview. One mobile home was damaged.
ALASKA									
Southwest Coast	17	6PM-11PM ADT			0	?	6	0	High Wind and Seas Coastal Flooding
									An intense storm moved from the Central Aleutians to the Yukon-Kuskokwim Delta coast during the afternoon and evening of the 17th. Southwest winds gusting to 65 knots to the south of the storm brought above normal tides and high seas to the coastal areas of Bristol Bay. Many fishing boats were swamped, and a number destroyed. Docks and canneries were heavily damaged. Hardest hit were Clark's Point and Hok where severe damage was done to homes and canneries due to coastal flooding. The region was subsequently declared a State and Federal disaster area.
ARIZONA									
Tucson, Pima County	9	3:36 p.			0	0	4	0	Wind
									Winds gusting to 67 m.p.h. during a thunderstorm did minor damage.
Greater Phoenix Area, Maricopa County	10	7:30 p.			0	0	6	0	Wind
									A severe thunderstorm with winds gusting to 81 m.p.h. hit the area and destroyed mobile homes, damaged houses, power lines, signs and uprooted trees. The hardest hit was a mobile home park in southwest Tempe where 10 homes were demolished and 40 others severely damaged. The mobile homes were strewn upside down, on their sides and on top of one another. Luckily no one was injured as many of the owners were away for the summer. Total damage estimated at over \$1,000,000.
Saguaro Lake, Maricopa County	11	Afternoon			0	1	0	0	Lightning
									A man was hospitalized after being struck by lightning while standing on a ramp near his boat.
Nogales, Santa Cruz County	13	Night			0	0	5	0	Heavy Rain, Flooding
									Very heavy rains in the area and upstream on the Santa Cruz River in Mexico caused considerable flood damage to mobile homes, houses, commercial buildings and streets. Damage estimated at over \$100,000.
Tucson, Pima County	14	7:36 p.			0	0	4	0	Wind
									A thunderstorm with winds gusting to 75 m.p.h. caused moderate damage in the area.

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ARIZONA (continued)									
Casa Grande & Eloy, Pinal County	14	6-7:40 p			0	0	5	0	Wind
									A severe thunderstorm with heavy rain and winds gusting to 70 m.p.h. destroyed a few mobile homes, damaged numerous roofs, small buildings, power lines and uprooted trees.
Payson, Gila County	24	5:45 p.			0	0	3	0	Wind
									Winds gusting to 60 m.p.h. during a thunderstorm did minor damage.
ARKANSAS									
Clover Bend - Lawrence County	3	2:33 p.			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
Monticello - Drew County	12	3:10 p.			0	0	4	0	High Winds
									Thunderstorms produced winds up to 55 mph. A discount department store under construction was heavily damaged.
Oakland - Marion County	26	4:15 p.			0	1	3	0	High Winds
									Thunderstorms produced high winds which damaged two homes and several pleasure boats. One man was slightly injured when he was blown 35 feet by the winds.
CALIFORNIA									
NORTHERN & CENTRAL									
									NONE REPORTED
CALIFORNIA									
SOUTHERN									
									NONE REPORTED
COLORADO									
Weld County	7	1755	1/2	30	0	0	0	0	Tornado
									A tornado was spotted by police 2 miles south of Fort Lupton.
Colorado Springs	8	1536			0	0	3	0	Lightning
									Lightning caused \$1500 damage to a home in Colorado Springs. Many spots near the city had heavy rain from the same area of thunderstorms; about 5 inches fell during the day near Cripple Creek, and Lake George had 2 inches of rain in less than an hour. Pikes Peak received 8 inches of snow.
Aurora	11	0030			0	0	3	0	Hail
									Hail up to golf ball size caused some roof and car damage in the southern part of Aurora.
Littleton	14	1430-1530			0	0	3	0	Heavy rain, Lightning
									Lightning hit two power poles, causing \$400 damage. Local flooding caused damage to partially submerged vehicles and to the ground floor of an apartment complex. 1.23 inches of rain fell in the area in a short time.
Colorado Springs area	14	mid aftn			0	0	3	0	Heavy rain
									About 2 1/2 inches of rain fell in Colorado Springs, causing considerable street flooding. There was some street damage in Woodland Park.
Pueblo area	14	1830-2000			0	0	5	0	Heavy rain
									A severe thunderstorm dumped 2 inches of rain in Pueblo in less than 2 hours, causing extensive flooding which resulted in road damage and washouts of culverts and one bridge. An \$80,000 home was severely damaged by the flooding, and a community center collapsed the next morning after the flood waters weakened the buildings foundations and walls. Many streets were flooded, cars were submerged, and there were scattered power outages.
Boulder	15	2330			0	0	0	0	High winds
									Winds gusted to 55 mph in Boulder.
South Boulder	20	0725			0	0	0	0	High winds
									Winds of 55 to 60 mph were recorded in the southern part of Boulder.
Wray	25	1542	1	40	0	0	0	0	Tornado
									A tornado was spotted a few miles north of Wray.
Yuma County	25	1500-1615			0	0	2	4	Hail
									Up to 6 inches of hail covered the ground west of Wray, along with 2.6 inches of rain. The largest hail was golf ball size; it damaged some beans and corn, and broke a few windows.
Jefferson County	26-27	2100-0200			0	0	4	0	Lightning, heavy rain
									Two heavy thunderstorms hit Arvada and Westminster, dumping up to 1 1/2 inches of rain in less than an hour. At least two streets were washed out, and a number of homes and cars were damaged when a creek flooded. Three homes in Arvada sustained minor lightning damage.

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COLORADO (continued)									
Weld County	27	1520	2	40	0	0	3	0	Tornado
									Fire department personnel reported a tornado 2 miles south of Platteville that blew down a barn.
Weld County	27	1530			0	0	3	0	Lightning
									Lightning hit a house under construction, starting a small fire. Another bolt damaged a light pole nearby.
Morgan County	27	aftn			0	0	0	4	Hail
									Hail near Fort Morgan damaged 2000 acres of crops, mostly corn, beans, and sugar beets.
CONNECTICUT									
East Hampton	2	7:03PM			0	0	4	0	Lightning
									Two houses sustained moderate damage.
Essex	2	10:30PM			0	0	4	0	Lightning
									The second floor and roof of a house was destroyed as firefighters fought the fire for two hours.
Greenwich	2	6:02PM			0	0	4	0	Lightning
									Two houses were hit and burned.
New Britain	2	Night			0	0	3	0	Lightning
									Lightning severely damaged a school chimney
Simsbury	3	Early AM			0	0	4	0	Lightning
									About four houses were hit each of which sustained damage like holed and burned walls and roofs.
Hartford	6	Aftn.			0	0	0	0	Lightning
									Nine structural strikes occurred.
Cheshire	6	Aftn.			0	0	4	0	Lightning
									A serious house fire resulted as a strike occurred when a family was at home. The house "shook like it was going to all apart."
Eastford East Longmeadow Putnam	6	Aftn.			0	0	4	0	Lightning
									Three fires resulted from strikes. One house sustained a burned out attic and second floor.
DELAWARE									
Kent and Sussex Counties	3	Night			0	0	5	0	Wind, Lightning, Rain
									High winds during a thunderstorm knocked a huge tree limb down upon a mobile home in Rising Sun. The limb crashed through the roof with rain and debris rendering it unoccupiable and ruining living-room furniture. In Magnolia a camper-type trailer was flipped upside down, damaging it extensively. Near Greenwood, Sussex County, a lightning-caused fire caused considerable damage to a barn. Total damage estimated at near \$50,000.
Dover	5	5:00 p			0	0	4	0	Lightning
									Home damaged to the extent of \$20,000 when lightning apparently struck the roof line and traveled down a pipe. Damage included holes that were cut in the roof to allow sparks to escape from the attic area.
Kent County	11	10:00 p			0	0	4	0	Wind, Lightning
									Wind tore a portion of roof off one home and a tree fell against another, causing damage to the house and to a parked automobile, in the Hazelwood section of Dover. A second car in the vicinity was crushed by a tree. Wind blew a barn over in the Leipsic area, and lightning near Smyrna was responsible for a major barn fire. Damage was estimated at \$20,000 for wind and \$10,000 for lightning.
FLORIDA									
Dade County	2	3 - 4 PM EST			0	4	0	0	Lightning, severe thunderstorm
									Lightning struck at least 4 persons in northwest Dade during an afternoon thunderstorm leaving one of the victims in a critical condition and injuring 3 members of the same family. A thunderstorm moved into the area near Miami International Airport about 3 PM accompanied by wind gusts to 45 mph and pelting a stretch of the Palmetto Expressway north of the airport with hail. A 42-year-old man was struck by lightning and critically injured about 3:30 PM while seeking shelter from the storm under a tree. Later, in another area, a 52-year-old man and his wife and daughter received minor injuries when struck by lightning while seeking shelter under a tree. Several power lines and trees were blown down during the storm.
FLORIDA (continued)									
Dade County	2	5:00 PM EST			0	0	0	0	Funnel cloud
									A ranger at Shark Valley, in extreme western Dade in Everglades National Park, reported a funnel cloud aloft.
Monroe County	2	7:10 PM EST			0	0	0	0	Waterspout
									A waterspout observed 50 miles north-northeast of Key West International Airport near Conch Key dissipated in 5 minutes.
Monroe County	2	7:15 PM EST			1	0	0	0	Lightning
									A 72-year-old Miami man was struck and killed by lightning on Duck Key. The man and 5 companions had been fishing from a bridge and were seeking shelter from an approaching thunderstorm under the north end of the bridge. The victim was struck in the head by a lightning bolt when he stopped to check a crab net. Authorities reported the lightning struck the victim in the temple above the left eye, traveled down his left side and exited through his heel, knocking a 2 by 3-inch depression in the concrete surface of the bridge. Fire rescue unit personnel unable to revive the victim.
Brevard County	6	12:30 PM EST			0	0	0	0	Waterspout
									A waterspout was reported off Cocoa.
Charlotte County	8	5:15 PM EST	1	30	0	0	5	0	Tornado(s) severe thunderstorms, funnel clouds
									At least one tornado touched down in residential areas south of Punta Gorda during widespread thunderstorm activity causing quite a bit of damage. Two mobile homes were destroyed and 22 others were seriously damaged. In addition, 4 cement block homes were damaged by winds that tore shingles off the roofs and screens off pool enclosures. The most serious damage was in River Haven where the 2 mobile homes were destroyed. Sightings of funnel clouds aloft and/or damage reports were received from Charlotte Park, an isolated wooded area near Highway 17, and Punta Gorda Isles. Widespread heavy rain and gusty winds occurred throughout the area as the thunderstorms moved through. No injuries were reported. Damage was estimated in excess of \$15,000.
Palm Beach County	9	10:57 AM EST			0	0	0	0	Funnel cloud.
									A funnel cloud aloft was reported by the Police Department just offshore from Lake Worth beach. The funnel cloud appeared to be moving toward shore.
Hillsborough County	9	7:30 PM EST			0	0	0	0	Funnel cloud, wind
									A funnel cloud aloft was observed at 7:10 PM 4 miles south of Lutz during a thunderstorm. A wind gust to 61 mph occurred in the same area at 7:25 PM. No injuries or damage were reported.
Clay County	13	1 - 2 PM EST			0	0	0	0	Funnel clouds.
									Numerous reports of funnel clouds aloft were received from the public in the Orange Park area during widespread severe thunderstorm activity.
Duval County	13	1:20 PM EST	2	30	0	0	4	0	Tornado
									A tornado touched down in a mobile home park in the southwest section of Jacksonville during a severe thunderstorm overturning an unoccupied mobile home and felling trees, garports, sheds and power lines. One witness reported seeing 2 funnels going up and down and making a loud and eerie noise. The high winds scattered twisted metal siding, TV antennas and tree limbs throughout the trailer park. A short distance away, the tornado touched down again in a neighborhood of frame houses. Two 50-foot oak trees were blown onto the roof of a house, and two other large trees down the street were uprooted and blown onto two parked cars. No injuries were reported.
Palm Beach County	18	9:48 AM EST			0	0	0	0	Waterspout
									A waterspout was reported by the public one mile east of Delray Beach moving toward the northwest.
Charlotte and Lee Counties	18	6 - 7 PM EST			0	0	0	0	Waterspouts
									Several reports of waterspouts associated with heavy thunderstorms were received along the coastal waters.
Broward County	19	5:43 PM EST			0	0	0	0	Funnel cloud
									A funnel cloud aloft was reported over Miramar moving east. The funnel cloud dissipated at 5:55 PM.
Hillsborough County	19	7:00 PM EST	1/4	100	0	6	5	0	Tornado
									A tornado touched down at Tampa International Airport during a severe thunderstorm shattering 3 large one-inch-thick windows at an Eastern Airlines terminal, tossing luggage carts and other equipment into the air and uprooting trees. The tornado was moving from southeast to northwest. Six persons were injured by flying glass, and considerable damage was sustained by numerous automobiles in nearby parking areas, including an open top floor of a multistory parking garage. The metal siding was ripped from one of the mono-rail shuttle cars. The airport control tower was evacuated, and flight service was interrupted for about 15 minutes. A peak gust of 100 mph was reported from an anemometer located near the center of the field. Damage was estimated at approximately \$100,000.

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FLORIDA (continued)									
Dade County	21	3:05 PM EST	1	30	0	0	4	0	Tornado
A tornado hopped through the Perrine area in south Dade during a thunderstorm uprooting trees, tearing down traffic lights, ripping off roof shingles, causing power disruptions and damaging 11 stores in the Perrine Shopping Center. There were no serious injuries, although several persons were treated for cuts and bruises in local emergency rooms. Over 3 inches of rain fell in the area causing some street flooding.									
Marion County	21	Early evening			0	1	4	0	Wind, severe thunderstorm
High winds destroyed an Ocala fruit stand injuring a 54-year-old woman who was pinned under the debris. Other wind damage reported was minor, and power interruptions up to 4 hours, resulted when lightning struck an electric substation. Damage to the fruit stand was estimated at \$19,000.									
Bay County	21	Night	1/10	20	0	0	2	0	Tornado
A small tornado touched down along McKenzie Tank Line Road in Southport. No serious damage was reported. Sheriff's deputies reported limbs ripped from trees and the roof lifted from a storage shed.									
Extreme Northern Florida Peninsula	22	Afternoon and Evening			0	0	5	0	Severe thunderstorms, wind, lightning
Numerous severe thunderstorms developed over extreme northern Florida and moved from north to south accompanied by locally strong and gusty winds, vivid lightning displays, heavy rain and hail. Widespread damage occurred including hundreds of trees blown down, some onto houses and mobile homes, numerous sheds and at least one barn destroyed, and many power lines down with widespread power outages. Spectacular lightning displays were reported in many areas resulting in numerous brush fires and fires to several houses. At least one home burned to the ground and several others were damaged. Several unconfirmed tornadoes were reported. There were no serious injuries.									
Marion County	22	8:00 PM EST	5	50	0	0	5	0	Tornado, severe thunderstorm
A tornado touched down in a mobile home park about 7 miles southwest of Ocala during a severe thunderstorm damaging at least 23 mobile homes. The tornado continued southwestward for about 5 miles near State Road 200 snapping off trees and in several places dropping them across buildings, automobiles and power lines. Some of the mobile homes suffered only minor damage but several had major structural damage. One witness described hearing a high-pitched hissing sound like escaping gas, but much louder, just before the tornado struck. Major street flooding occurred in several areas due to the heavy rain, and hail also was reported. The Ocala Fire Department answered 22 fire alarms which included transformers on poles catching fire due to lightning strikes, power lines down, and fires caused by lightning striking a number of homes. It was amazing that no injuries were reported. Damage was estimated to be at least \$150,000.									
Monroe County	23	7:00 AM EST			0	0	0	0	Funnel cloud
A funnel cloud aloft was reported by the Coast Guard just south of Sombrero Key, about 18 miles south of Marathon.									
Palm Beach County	23	12:10 PM EST			0	0	3	0	Hail, severe thunderstorm
Hailstones one inch in diameter were reported in the Lake Park area during a severe thunderstorm. The brunt of the storm was felt on Singer Island where heavy rain and gusty winds overturned boats, tore masts, sent lawn furniture whirling across N. Ocean Boulevard, and caused power disruptions. No injuries were reported.									
Sarasota County	23	1:30 PM EST			0	4	0	0	Lightning
Four golfers escaped serious injury when struck by lightning while on the first tee debating whether to play because of the approaching thunderstorm. The lightning first struck a tall pine tree next to the group glancing off and knocking a one-foot-wide hole in the asphalt path next to their golf cart. One of the golfers was knocked unconscious and the others stunned. No one heard the sound. There had been no lightning in the area, and the thunderstorm appeared to be several miles away. The sun was shining on the tee when lightning struck.									
Dade County	23	3:35 PM EST			0	0	0	0	Funnel cloud
A funnel cloud aloft was reported in Miami near 39th Street and I-95.									
St. Lucie County	23	Late Afternoon			0	1	0	0	Lightning
A man was struck by lightning while playing golf with three other persons in Port St. Lucie. The victim was not breathing, and immediate mouth-to-mouth resuscitation by one of the foremen was credited with saving his life. Hair was burned off the left side of the victim's head and off both arms, and burn scars were suffered on the left hand and in the palm of the right hand.									
Martin and Okeechobee Counties	25	4 - 5 PM EST			0	0	0	0	Funnel clouds
At least two funnel clouds aloft were reported over eastern Okeechobee and western Martin Counties as thunderstorms moved eastward through the area.									

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FLORIDA (continued)									
Nassau County	26	9:45 AM EST			0	0	0	0	Funnel clouds
At least two funnel clouds aloft were reported in the Fernandina Beach area as thunderstorms moved onshore.									
Escambia County	26	7:58 PM CST			0	0	0	0	Wind
Wind gusts to 71 mph were observed at Pensacola Regional Airport during a thunderstorm. No significant damage was reported.									
Monroe County	28	1:54 PM EST			0	0	0	0	Funnel clouds
Two funnel clouds aloft were observed 8 miles northeast of Key West moving toward the west.									
Dade County	29	9:20 AM EST			0	0	0	0	Waterspout
A waterspout was reported off Miami Beach by the Coast Guard.									
Dade County	30	Afternoon			1	0	0	0	Lightning
A 15-year-old boy was struck and killed by a bolt of lightning in a Miami park on N.W. 55th Street. The victim was dead when emergency personnel arrived, and it was reported that the youth's shirt and pants were partially burned off by the lightning which struck him in the hip.									
Monroe County	31	1:40 PM EST			0	0	0	0	Waterspouts
Waterspouts and a severe thunderstorm were reported by a park ranger north of Islamorada.									
Sarasota County	31	4 - 5 PM EST			0	4	3	0	Lightning, severe thunderstorms
A line of severe thunderstorms moved from east to west through the Sarasota area, and associated lightning strikes set one house on fire, injured 4 persons, and caused numerous power outages and damage to electrical appliances such as air conditioners and television sets. The fire caused only minimal damage to the house as crews promptly brought the fire under control. At another home, a 37-year-old man was hospitalized when lightning struck around 4:15 PM while he was cooking on an electric stove with an iron skillet. Electricity traveled through his arm and into his body. At about the same time, about three quarters of a mile away, lightning struck another home knocking 3 persons to the floor and causing minor injuries. Two of the persons were playing electrical instruments at the time, and the third person was standing nearby.									
GEORGIA									
Statewide	01-31	Mainly Daytime			5	?	?	9	Heatwave
A persistent ridge of high pressure over the Southeastern U. S. during most of the month produced much above normal temperatures and below normal precipitation for the entire state. Temperatures climbed to above the 100° mark on at least 3 occasions statewide, except for the mountains. The State Civil Defense placed the number of heat related deaths for the month at 5.									
The State Extension Office of the Department of Agriculture estimated losses to livestock, poultry, and crops statewide for the month at \$600 million. The bulk of the damage was suffered by peanuts, soybeans, cotton, hay and pastureland. Geographically, the area hardest hit was south of a line from Rome, to Atlanta, to Toccoa, and north of a line from Columbus through Albany, to Tifton, and to near Brunswick. The area encompassed between these two lines suffered the heaviest damage.									
Gordon County	01	1:45 P			0	0	0	0	Hail
Hail 1" in diameter was reported at Rainville in extreme southwest Gordon County. No damage was reported.									
Crawford County	06	5:00 P			0	0	3	2	Wind & Hail
A downburst from a thunderstorm west of Roberta on State Road 128 did minor roof damage to some houses, as well as blowing a porch off a house. A utility shed was also overturned. Several trees were also knocked down, and quarter-size hail damaged some crops.									
Houston County	06	6:40 P			0	1	3	0	Wind
Strong winds with hail in Warner Robins injured a boy in his house when the storm shattered windows, sending glass flying through the house. The flying glass cut the boy in several places. In addition, shingles were blown off the roof of a church and a supermarket, while the roofs of several small sheds were blown away.									
Crisp County	06	2:45 P			0	0	4	?	Wind and Hail
Strong winds from a thunderstorm in Cordelia overturned a trailer house and knocked over a pump shed. Additional minor damage was done to trees and power lines. Golfball-size hail was also reported.									
Gwinnett County	10	1:00 A			0	0	5	0	Lightning
A lightning bolt struck the steeple of the Calvary Baptist Church in Lilburn, causing a fire which totally destroyed the church sanctuary. The adjacent wings of the building also suffered heavy damage.									

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GEORGIA (continued)									
Chattooga County	10	5:30 P			0	0	0	0	Hail
					A radio station in Summerville reported golfball-size hail. A lightning bolt also knocked the station off the air. No damage was reported.				
Evans County	11	8:40 P			0	0	5	0	Wind
					High winds in Claxton resulted in large portions of a 500'x500' aluminum roof being blown off a tobacco warehouse. Portions of the roof landed atop of an adjacent residential house, doing extensive damage to that roof also.				
Wilkes County	12	5:30 P			0	0	4	0	Wind
					High winds tore the roof completely off a mobile home near Washington. Much structural damage was done to the sides and interior of the mobile home, resulting in it being a total loss.				
Jeff Davis County	13	4:30 P			0	0	3	?	Wind
					Wind in excess of 50 knots from a strong thunderstorm tore the roof off a farm building, and scattered it about the area. Several trees were also knocked over by the force of the winds.				
Baldwin County	14	2:30 P			0	0	5	0	Wind
					A downburst from a thunderstorm destroyed one storage building and severely damaged another at the Gruman Aerospace Facility west of Milledgeville, on State Road 22. The wind swept across the back lot of the plant ripping the metal roof off one building, and collapsing a 50' x 100' shed made of wood and tin.				
Muscookee County	14	8:20 P			0	0	2	0	Wind
					The Columbus WFO recorded a wind of 62 knots from a strong thunderstorm. Little damage was done, with only numerous tree limbs and power lines blown down.				
Madison County	19	4:00 P			0	0	4	0	Wind
					Strong winds from a thunderstorm completely destroyed a chicken house at Colbert killing 14,000 chickens. Numerous sheds and porches were also damaged by the winds.				
Clarke County	19	4:25 P			0	0	4	0	Wind
					High winds ripped a portion of a roof off a house in Athens, leaving only plywood on the ceiling. Heavy rains then soaked the sheetrock ceilings, which fell to the floor. The interior of the house suffered subsequent water damage. In an adjacent house, two large pieces of a metal barn roof were swept away, and winds tore the doors off the barn. At about this same time the Athens WFO recorded a wind gust of 48 mph.				
Mitchell County	19	6:00 P			0	0	3	0	Wind
					High winds from a thunderstorm struck Felton, knocking down several pecan trees and power lines. The roof of a building was also damaged, and a plate glass window was knocked out.				
Clayton County	20	8:30 P			0	0	3	0	Wind
					A strong thunderstorm spawned high winds which toppled several large pine trees onto houses in Riverdale, damaging roofs and walls.				
Bryan County	21	4:30 P	Short	25	0	0	4	0	Tornado
					A small tornado touched down near Richmond Hill, resulting in a mobile home being moved off its foundation. Several trees were also knocked down, some falling on and damaging mobile homes and sheds. The direction of movement was unknown.				
Lowndes County	21	6:45 P			0	0	3	0	Wind
					Strong winds from a thunderstorm knocked over several trees and knocked out power in northeast Lowndes County. Over 100 trees were uprooted or snapped and a car shed was destroyed at a local country club. Moody Air Force Base recorded a wind gust of 44 knots.				
Tift County	22	4:00 P			0	0	4	0	Wind
					A downburst from a strong thunderstorm 2 miles east of Tifton damaged seven small storage buildings and moved a trailer off its blocks. Also, several large pecan trees were blown down, some landing on, and damaging a mobile home.				
Cook County	22	4:15 P			0	0	4	3	Wind
					A thunderstorm with winds in excess of 50 knots did considerable damage to a farm northwest of Sparks. Two barn shelters were destroyed, one falling on and damaging a truck. In addition, the corn crop and pecan trees suffered some damage.				
Rockdale County	30	4:15 P			0	0	0	0	Hail
					Golf-ball size hail, reported by local police 5 miles northeast of Doyers on Route 138. There was no known damage.				

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
GEORGIA (continued)										
Elbert County	31	4:00 P			0	0	4	0	Wind	
					A severe thunderstorm passed through southeastern Elbert County downing trees and power lines as well as lifting sections of roofs from several area businesses. Portions of roofs were lifted and carried several hundred feet. Several granite sheds were also damaged by the high winds.					
HAWAII										
Hawaii Island	26	1:40 pm							Funnel Cloud	
					A funnel cloud was reported near the Kaunana subdivision, a residential area about 5 miles southwest of Hilo Airport. No movement was detected nor was the funnel observed to reach the ground at any time. It was visible for about half an hour.					
IDAHO										
Felt Area, Teton County	15	4:00p			0	0	3	4	Hail, Flash Flooding	
					Heavy rain and driving hail the size of marbles destroyed about 1500 acres of barley and damaged hundreds more acres. Hail piled up six inches deep following the storm, and four feet of water produced heavy erosion. The erosion was 30 times the Soil Conservation Service's tolerable rate.					
ILLINOIS										
Southern portion										
	1	12:45am to 2am			0	0	4	3	Wind and Lightning	
					Early morning thunderstorms migrated across southern Illinois with very strong winds causing tree limbs to break and damaging out-buildings. Two towns that suffered the most damage were Oblong in Crawford County and DuQuoin in Perry County where trees were uprooted and crushed cars and damaged buildings. Lightning caused two fires in homes in Cammi, White County, destroying one home and damaging the other. Crop damage from the high winds was minor.					
Northern section										
	2	1am to 11am			0	2	5	4	Wind	
					Winds gusting as high as 65 knots accompanied thunderstorms that entered the state during the morning hours. These strong winds uprooted trees, destroyed out-buildings, and caused power failures. A 52 knot wind was reported at Rockford in Winnebago County and a 56 knot wind was recorded at Woodstock in McHenry County at 8:47am. In Lake Summerset, near Dundan in Winnebago county, 4 homes and 4 garages were destroyed. One home under construction was flattened. Two persons were injured in their car when a boat dock slammed into the car shattering the window.					
Southern section										
	2	4pm - 9pm			0	0	4	4	Wind and Lightning	
					In the late afternoon and lasting into the evening hours thunderstorms with powerful winds moved into the southern areas uprooting trees and destroying out-buildings. At 4:43pm a 42 knot wind was reported at Haysville, Farina in Fayette County was hard hit by wind as uprooted trees crushed cars and sheds were blown off their foundations. Lightning caused a fire in a nearby home destroying it. Power failures throughout the south were common.					
Southern portion										
	4	2pm to 11pm			0	0	4	4	Wind	
					Local severe thunderstorms with high winds developed over portions of southern Illinois during the afternoon and evening. In Carlyle, Clinton county, and Boulder, also in Clinton county, damage was severe as high winds uprooted trees which fell on parked cars. One mobile home was damaged by the wind when it overturned. A machine shed and a chicken coop was destroyed in Cammi, White County. Ten chickens were killed. The powerful winds slammed trees against cars and damaged buildings in DuQuoin in Perry County.					
Northern portion										
	4	5pm to 11pm			?	?	0	5	5	Wind and Hail
					Thunderstorms with mighty winds and large hail advanced into the northern areas of the state in the afternoon and evening uprooting trees, damaging cars and buildings, and causing wide-spread power outages. At 5:55pm Freeport in Stephenson County reported a 52 knot wind, at 5:57pm, Akinon in Perry County reported a wind gust of 52 knots. At 7:00pm Woodstock recorded a 57 knot wind, At the same time Geneva in Kane County recorded a 61 knot wind, and at 9:30pm a 50 knot gust was recorded at Meigs Airport in Chicago in Cook County. Part of a roof flew off a building in Wheeling, Cook County, and all 15 residents were moved temporarily. In Woodstock, insulation from a school roof blew down on 3 parked cars damaging them. In Baileyville, Ogle County, a fallen tree punched a hole through a mobile home. The wind broke windows in Savanna, Carroll County. Uprooted trees damaged cars and blocked streets in Chicago. Hail as large as 1/4 of an inch in diameter fell on localized areas causing minor damage.					

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
ILLINOIS (continued)											
Henderson and Lake Counties	4	8pm - 11pm			0	0	5	0			Lightning
In North Chicago, Lake County, lightning caused an electrical fire in a factory. Damage was \$9,000. Lightning caused a fire in a home in Antioch, also in Lake County. Lightning also struck an electrical tower in a farm field north of Media, Henderson County. A live wire fell on a wire fence killing 26 head of cattle.											
Whiteside and Bureau Counties	9 to 10	11pm to 12:30am	?	?	0	0	0	?			Wind and Hail
Locally severe thunderstorms with winds as high as 60 knots entered Whiteside and Bureau Counties accompanied by large hail. Damage was very minor. At 11pm Prophetstown in Whiteside County reported 1 3/4 inch hail, at 11:15pm 1 3/4 inch hail was reported in Morrison, at 11:30pm a 56 knot wind gust was reported in New Bedford in Bureau County, and at 12:15am a 56 knot wind was again reported in Princeton.											
Southern half	10	5pm to 11pm	?	?	0	0	4	3			Wind and Hail
Winds as high as 60 knots and large hail caused scattered damage as thunderstorms drifted through the southern sections of Illinois. In Lincoln, Logan County, a 52 knot wind was reported at 5:54pm. Trees were uprooted damaging several cars. High winds blew a roof off a home under construction 7 miles west of Mattoon in Coles County. Near Paris, Edgar County, a small plane was blown against a pole and damaged. Tree and out-building damage also occurred in the south. Hail as large as 3/4 of an inch fell in scattered areas causing only minor damage. At 8:10pm 3/4 inch diameter hail was reported near Alton in Madison county and at 9:20pm 3/4 inch hail was also reported in East St. Louis in St. Clair County.											
Southern sections		11 1pm - 5pm			0	0	4	3			Wind
Strong winds that accompanied thunderstorms again moved through the south damaging trees, buildings, and out-buildings. Mount Vernon in Jefferson County was hard hit. A mobile home overturned, a roof blew off a school, and a bus garage was destroyed.											
Southern two-thirds	July 1 to Aug. 31				0	0	4	6			Drought and Heat
Below normal rainfall and extremely high temperatures damaged crops in the southern counties and damaged road pavement. Corn was burnt and kept from pollinating and soybeans were kept from blossoming. In Washington County 510,000 head of cattle were killed by the hot dry weather. Around 80 counties out of the 101 counties in Illinois were affected.											
INDIANA											
Columbus Bartholomew County	1	400A	-	-	0	0	?	?			Wind
Trees/power lines down.											
West of Scipio Jennings County	1	430A	-	-	0	0	?	?			Wind
Barn blown down, "twisted apart". Other out-buildings damaged.											
Merron Sullivan County	2	600P-610P	-	-	0	0	?	?			Wind, funnel cloud
Roof ripped off home and deposited on highway. Damage to home \$40,000. Damage to garage and outbuildings. Winds 70 mph at Sullivan County Airport. Numerous trees, power lines down over the county. An observer 3 miles away from the house did not see any evidence of a tornado.											
7 miles SW Sullivan, New Lebanon Sullivan County	2	606P-610P	-	-	0	0	?	?			Wind
Roof off one house. Three barns destroyed.											
Junction SR58, SR54 Sullivan County	2	606P	-	-	0	0	?	?			Wind
Trees/power lines down. Roof off house. Was across SR58. Damage to house \$20,000. Several outbuildings damaged.											
Jasonville, Linton, Worthington, Bloomfield Greene County	2	626P	-	-	0	0	?	?			Wind, funnel cloud
Many funnel cloud reports. Trees/power lines down. Trees fell on houses. Roads blocked by falling trees. Siding blown off houses.											
INDIANA (continued)											
Clay City Clay County	2	635P	-	-	0	0	?	?			Wind
Trees/power lines down. Trees fell on cars. Trailer blown upside down. Total loss. Damage estimate - \$12,500.											
Freedom, Spencer Owen County	2	645P	-	-	0	0	?	?			Wind, funnel cloud
"Two clouds coming together, moved to the north-east. Definite twisting motion". Funnel then lifted and damage appeared to come from straight-line wind. Trees/power lines down. Roofs off houses. Outbuildings destroyed. Storm apparently moved from Freedom to Spencer.											
Sullivan, Greene Monroe County	2	Evening	-	-	0	0	?	?			Wind
Forty wood pole "h" frame power line towers knocked over. No electric lines on poles. Damage spotty.											
Monroe, Brown, and Bartholomew Counties	2	655P-800P	-	-	0	0	-	-			Wind, funnel cloud
Many funnel cloud reports. Trees/power lines down. Houses/cars damaged by falling trees/limbs.											
Southern Johnson County	2	Evening	-	-	0	0	?	?			Wind
Many trees reported down. Power lines down.											
Freeport Shelby County	2	Evening	-	-	0	0	?	?			Wind
Many trees/power lines down reported in southern part of county. Two houses damaged by falling trees.											
10 S Rushville Rush County	2	815P	-	-	0	0	4	?			Lightning
Lightning started fire in barn. Barn destroyed causing \$38,000 damage.											
Versailles Ripley County	2	824P	-	-	0	0	-	-			Funnel cloud
Scottsburg Scott County	2	After 11 P	-	-	0	0	6	-			Lightning
Fire caused by lightning destroyed three businesses. Total damage \$600,000.											
Franklin County	2	Evening	-	-	0	0	?	?			Winds
One mobile home destroyed. Two barns blown down. Trees uprooted. "Small" hail reported.											
Spencer County	4	520P	-	-	0	0	?	?			Wind
Tree limbs/power lines down. Pea-size hail.											
Western Northern Howard Co.	6	327P	-	-	0	0	?	?			Golf-ball size hail
Whitestown Boone County	6	Aftn	-	-	0	0	?	?			Wind
Trees/power lines down.											
Elwood Madison County	6	445P-500P	-	-	0	0	?	?			Golf-ball size hail
Lapel Madison County	6	538P	-	-	0	0	-	-			Funnel cloud
West of Anderson Madison County	6	544P	-	-	0	0	?	?			Golf-ball size hail
NE Marion County	6	556P-610P	-	-	0	0	-	-			Wind, funnel cloud
Several large limbs down. Power lines down. Several funnel cloud reports.											
4 miles NNW Greenfield Hancock County	6	642P	-	-	0	0	?	?			Golf-ball size hail
Hamilton County	6	728P-738P	-	-	0	0	-	-			Funnel cloud
Several funnel cloud reports.											

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
INDIANA (continued)										INDIANA (continued)									
NE Marion County	6	747P	-	-	0	0	?	?	Funnel cloud	2 miles S Lapel Madison County	11	321P	-	-	0	0	?	?	Golf-ball size hail
Richmond Wayne County	6	756P	-	-	0	0	?	?	Funnel cloud	Pendleton Madison County	11	345P	-	-	0	0	?	?	Wind, golf-ball size hail
4 miles N Greenfield Hancock County	7	420P	-	-	0	0	?	?	Wind, funnel cloud	Middleton Henry County	11	345P	-	-	0	0	?	?	Golf-ball size hail
NW Henry County	7	426P	-	-	0	0	?	?	Wind	Shererville, Crown Point Lake County	13	After- noon	-	-	0	0	?	?	Golf-ball size hail, wind
10 NW Rushville Rush County	7	443P	-	-	0	0	?	?	Funnel cloud	Griffith Lake County	13	After- noon	-	-	0	0	?	?	Wind, funnel clouds
Zionsville Boone County	9	Early Evening	-	-	0	0	?	?	Wind	Whiting Lake County	13	After- noon	-	-	0	0	?	?	Wind, funnel cloud, lightning
Carmel Hamilton County	9	730P	-	-	0	0	5	?	Wind	Kingsford LaPorte County	13	After- noon	-	-	0	0	?	?	Lightning
NE of Warsaw Kosciusko County	10	455A	-	-	0	4	?	?	Wind	Rochester Fulton County	13	After- noon	-	-	0	0	?	?	Golf-ball size hail
Westfield Hamilton County	10	500P	-	-	0	0	?	?	Golf-ball size hail	Hebron Porter County	13	433P	-	-	0	0	?	?	Golf-ball size hail
Prairie Creek Reser. SE of Muncie Delaware County	10	500P	-	-	2	5	?	?	Lightning	Kewanna Fulton County	13	530P	-	-	0	1	?	?	Wind, hail
Chalmers White County	10	642P	-	-	0	0	?	?	Golf-ball size hail	Starke County	13	530P	-	-	0	0	?	?	Wind, quarter-size hail
Monticello White County	10	707P	-	-	0	0	?	?	Wind	Fulton Fulton County	13	600P	-	-	0	0	?	?	Wind, funnel cloud
Monticello White County	10	727P	-	-	0	0	?	?	Wind	Fulton County	13	625P	-	-	0	0	?	?	Wind
Northern Cass Co.	10	Evening	-	-	0	0	?	?	Wind	S of Lapel Madison County	13	755P	-	-	0	0	?	?	3 funnel clouds
Covington Fountain County	10	915P	-	-	0	0	?	?	Wind	Jasper Dubois County	15	?	-	-	1	0	?	?	
Marion Grant County	10	Evening	-	-	0	0	?	-	Wind	Southwest of Pendle- ton Madison County	17	615P	-	-	0	0	?	?	Funnel cloud
Converse Miami County	10	1000P	-	-	0	0	?	0	Wind	Southern Madison Co.	17	615P	3	50	0	0	5	?	Tornado
Shelby County	10	1100P	-	-	0	0	?	?	Golf-ball size hail										
Southern Marion Co.	10	1128P	-	-	0	0	?	?	Wind										
Ridgeville Randolph County	11	Morning	-	-	0	0	?	?	Golf-ball size hail										
Farmland Randolph County	11	Morning	-	-	0	0	?	?	1" hail										

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					KILLED	INJURED	PROPERTY	CROPS	
INDIANA (continued)									
New Richmond Montgomery County	18	928A			0	0	?	?	Wind
									Trees down.
North of Terre Haute Vigo County	18	530P							Funnel cloud
Southern Vigo County	18	530P							Funnel cloud
Terre Haute Vigo County	18	530P			0	0	?	?	Wind, hail
									Marble-sized hail and wind gusts to 60 mph at Indiana State University.
Indianapolis SW Marion County	18	630P			0	0	?	?	Wind
									60 mph winds measured at Weather Service at Indianapolis International Airport. Empty baggage cart was blown into a small aircraft.
Nashville Brown County	18	733P							Funnel cloud
									Funnel cloud east of Nashville in Brown County.
Shelbyville Shelby County	18	738P							Funnel cloud
									Funnel cloud sighted north of Shelbyville.
Palmira Harrison County	18	1005P				1	?	?	Wind
									Trailer overturned by strong winds. Preliminary report of one person injured.
New Delphi Carroll County	19	110P			0	0	?	?	Wind
									Tree damage, damage to one barn, and crop damage.
Mulberry Clinton County	19	126P			0	0	?	?	Wind, hail
									Large marble-size hail, tree damage and crop damage.
Marion County & Southern Hamilton	19	230P- 245P			0	0	?	?	Wind, hail
									Marble-sized hail and winds over 60 mph at I-465 and Keystone on Indianapolis north side. Several hundred trees downed between River Road and Allisonville Road from 11th to 96th Streets. South edge of Lawrence at 42nd and Post Road - winds estimated at 70 mph. Extensive damage to roof of an apartment complex in northeast Marion County. Also some structural damage in Lawrence.
Shelby County	19	325P- 405P			0	0	?	?	Hail, wind
									Golf-ball size hail, large limbs and trees down two miles south of London in northwest Shelby County at 3:33 PM. Estimated winds in excess of 60 mph reported by Indiana State Police at 700W and 400N in Shelby County. At 3:35 PM EST winds 55 to 60 mph five miles west of Shelbyville reported by Indiana State Police. At 4:05 PM EST 3/4" hail reported seven miles south and four miles east of Shelbyville.
IOWA									
2 Miles North Protovin Howard County	2	445A	.3	30	0	0	4	0	Tornado
									A weak tornado destroyed 54 trees and took the roofs off several farm buildings before lifting.
Clinton, Cedar, Scott and Muscatine Counties	4	330-415P	--	--	0	0	5	5	Severe Thunderstorms
									A line of severe storms moved through the area producing 60-70 MPH winds which blew down trees that fell on power lines and cars. High winds damaged outbuildings on many farms and blew out windows in many homes.
6 Miles Southwest Cherokee - Cherokee County	18	1015P	.1	20	0	0	4	0	Tornado
									A weak tornado briefly touched down taking the roof off a house and damaged a barn before lifting.
10 Miles South Estherville Emmet County	18	1110P	.2	30	0	0	4	0	Tornado
									A weak tornado briefly touched down destroying a barn and twisting the tops of trees.
Charles City Floyd County	19	0100A	--	--	0	0	4	0	High Winds
									High winds of up to 70 MPH blew down many trees and broke windows of some houses. These winds also tore the roof off a downtown building.
IOWA (continued)									
2 Miles Southeast Charles City Floyd County	20	200P	--	--	0	0	4	3	High Winds
									High winds damaged a farm and destroyed a machine shed and barn. Corn crops were also damaged.
Melrose - Monroe County	20	300P	--	--	0	0	4	0	High Winds
									Winds of 65 MPH uprooted many trees which fell on power lines, cars and houses. Cornfields were also flattened.
Farmington Van Buren County	20	615P	--	--	0	0	5	4	High Winds
									Winds of 50 to 60 MPH broke many limbs and uprooted some trees. Many power lines were down and some windows were broken.
Davenport - Scott County	20	645-715P	--	--	0	0	5	0	High Winds
									High winds to 70 MPH uprooted many trees and knocked down power lines. Many windows and some roofs of houses were damaged.
Sioux and O'Brien Counties	26	600-630P	--	--	0	0	5	5	High Winds
									High winds up to 70 MPH blew down many trees and flattened corn. Trees broke power lines and fell on cars and houses. Many outbuildings were damaged in Sioux Center and a Mobile Home was overturned.
KANSAS									
Scott, Finney Counties	3	7:30 p - 8:30 p			0	0	4	6	Hail and Wind
									Severe thunderstorms moved eastward across southern Scott County and northern Finney County. Considerable damage resulted to a grain elevator and alcohol plant at Shallow Water around 7:30 p. The storm also damaged 13,000 acres of corn and milo. One inch hail and winds of 60-70 miles per hour were reported 8 miles south of Scott City around 7:30 p and in northcentral Finney County around 8:30 p.
Shawnee, Osage, Lyon and Coffey Counties	4	Early Afternoon			0	0	5	0	High Winds, Hail, Funnel Cloud and Lightning
									Line of intense thunderstorms moved east across the area producing local property damage resulting from high wind, large hail and lightning. Pea to marble size hail was common with one inch diameter hail reported southwest of Topeka at 1:05 p. Funnel cloud reported on the northwest edge of Topeka at 12:44 p and north of Carbondale at 12:50 p. Roof damage in Burlington area and roofs blown off of gut buildings at Wolf Creek Nuclear Site northeast of Burlington at 1:20 p. Power lines down south of Emporia about 1:40 p. Severe lightning produced several house and grass fires over the area with two lightning related power outages in Topeka.
Labette County	4	2:00 p			0	0	4	0	Wind
									Intense thunderstorms moved across southeast Kansas with strong winds causing damage to utility poles and farm buildings near Altamont.
Crawford County	4	4:00 p			0	0	4	0	Wind
									Two miles west of Pittsburg strong winds from thunderstorms damaged roof and downed tree limbs.
Wilson County	4	6:30 p			0	0	4	0	Lightning
									Two barns were destroyed by lightning from thunderstorms that moved through the area.
Labette County	4	7:30 p			0	0	5	0	Wind
									Heavy thunderstorms producing high winds moved into Labette County near Parsons and destroyed two grain bins, a cattle shed, utility poles and a barn. A large brand at the K&E Electric Plant was blown over near Parsons.
Labette County	4	9:00 p			0	0	4	0	Wind
									Thunderstorms moved into the southeast part of Labette County and at Oswego many tree limbs were blown down and a wood fence destroyed at the fairgrounds.
Ness, Rooks Counties	5	Morning			0	0	0	0	Hail
									Hail to 3/4 of an inch fell at Manson in northern Ness County at 8:15 a. Hen egg size hail fell at Stockton about 10:00 a.
Dickinson, Barton, Ellsworth, Jewell and Rush Counties	5	4:00 p to 10:00 p			0	0	5	0	Hail, Wind, Heavy Rain, Lightning
									Several bands of severe thunderstorms moved across northcentral and central Kansas. Damaging winds, severe lightning, golf ball size hail and rains of over 3 inches caused considerable localized damage. Wind damage was most extensive to a motel roof and windows in north Abilene, cd buildings in and around Barton Hills to the north of Great Bend and to a small airplane in Ellsworth. Lightning caused extensive damage to a home in Mankato. Marble to golf ball size hail 10 miles northeast of LaCrosse at 5:00 p.
Seward County	5	4:45 p	8	25	0	0	5	5	Tornado, Hail
									Hail to 1 inch at Liberal 5:00-5:15 p. Most damage was to buildings 3 south of Liberal and 6 east northeast of Liberal resulting from brief touchdown of tornado moving northeast.

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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	
KANSAS (continued)									
Riley, Pottawatomie, Shawnee, Osage, Jackson, Morris and Jefferson Counties	5	Afternoon and Night			0	1	5	0	High Wind, Hail, Five Funnel Clouds
Severe thunderstorms formed in northern Riley and southern Marshall counties early afternoon and moved slowly east and southeast over the area by midnight. Local property damage caused by high winds and large hail. Peg to marble size hail was common with baseball size hail at Randolph at 1:30 p.m., golfball size hail at Wamego at 3:40 p.m. and at Overbrook at 5:45 p.m. Five funnel clouds were reported from just north of Maple Hill to Auburn to Topeka between 3:30 p.m. and 5:20 p.m. Local roof and outbuilding damage at 21st and Auburn Road west of Topeka at 4:12 p.m. with a large corrugated tube blown into a community swimming pool in north Topeka at 3:30 p.m. causing extensive damage. Large plastic bubble used for storage by Good-year Plant on northwest edge of Topeka destroyed around 4:45 p.m.									
Gray, Ford, Hodgeman and Pawnee Counties	5	5:45 p - 7:00 p			0	0	5	5	Hail
Scattered hail to 3/4 inch in northeast Gray, north Ford, southeast Hodgeman counties. Hail to 1-1/2 inch west and northern Pawnee County.									
Sedgwick County	5	10:30 p			0	0	4	0	Wind
A large area of thunderstorms moved into southcentral Kansas. Gust front hit storage buildings at Valley Center and roof was blown from the limits.									
Cheyenne County	11	8:00 p - 9:00 p			0	0	0	4	Hail and Wind
Marble size hail and 40 to 50 miles per hour winds damaged approximately 2,500 acres of cropland in western portion of county.									
South Central Butler County	16	Late Afternoon			0	0	6	0	Wind
Very heavy thunderstorms developed in south central Kansas during the late afternoon of August 16th. Major damage was mostly in Butler County. Around 4:00 p.m., five airplanes were flipped over with damage to 20 other planes at Red Wing Airport 5 miles west of Augusta. Twelve T-hangers were also damaged extensively and 15 others with some damage. A drive-in theater screen was destroyed at Augusta. At Rose Hill in southwest Butler County, a roof was blown off the school with much damage to homes and tree limbs. Four tornadoes were reported, but none could be verified.									
Harper County	16	7:45 p			0	0	4	0	Wind
Roof was blown off a house at Anthony. Barn destroyed and a roof blown off a mobile home at Harper.									
Montgomery County	16	8:00 p			0	0	4	0	Wind
Machine shed destroyed with window damage to homes 6 miles northeast of Cherryvale.									
Sumner County	16	8:10 p			0	1	5	0	Wind
One person was injured when a mobile home overturned at Wellington. Winds were in excess of 90 miles per hour at Wellington Airport. Twenty-two airplanes were damaged with two suffering a total loss along with some hangars destroyed. At Bell Plains utility poles were blown down and cars damaged by falling tree limbs.									
Labette County	17	8:00 p			0	0	4	0	Wind
Wind from thunderstorms destroyed a metal farm shed 12 miles west southwest of Parsons.									
Montgomery County	17	7:00 p - 8:00 p			0	1	5	0	Wind
Winds estimated at 80 miles per hour damaged the airport at Independence and overturned a mobile home east of Independence causing injuries to one person.									
Edwards County	17	9:10 p			0	0	0	0	Hail
Hail to 3/4 inch at Kinsley.									
Scott County	17	11:15 p			0	0	5	6	Hail and Wind
A severe thunderstorm accompanied with winds of 60-70 miles per hour and golfball size hail struck Scott City. Many roofs, windows, trees and autos were damaged. Approximately 2,000 acres of crops were also damaged.									
Sumner County	21	7:00 p			0	1	4	0	Wind
Several camp trailers were destroyed at Lake Wellington and one lady injured when a trailer overturned.									
Pottawatomie County	28	2:00 p - 3:00 p			0	0	?	?	Hail
Golfball size hail 3 miles east of Manhattan at 2:00 p.m. and at Wamego at 2:25 p.m.									
KANSAS (continued)									
Sherman County	30	7:50 p - 8:30 p			0	0	4	6	Hail
A severe thunderstorm moved eastward across the northern half of Sherman County. Baseball size hail was reported 10 miles northwest of Goodland at 7:58 p.m. and 45 miles northeast of Goodland at 8:20 p.m. About 3,000 acres of crops were damaged along with a number of roofs and vehicles.									
Finney County	30	10:00 p			0	0	5	0	Wind
Thunderstorm winds damaged buildings 3 miles west of Garden City to 10 miles north of Garden City. Winds estimated to 65 miles per hour.									
Hodgeman County	30	10:00 p	25	*5	0	0	0	5	Hail
Scattered hail 1 inch to 2 inches in diameter and winds to 65 miles per hour from southwest Hodgeman County to Jetmore.									
Sherman County	31	12:30 a			0	0	3	0	Hail
Golfball size hail reported at recreational area in southern Sherman County. Damage to a few camping vehicles.									
Cheyenne, Rawlins, Decatur, Norton, Phillips and Sherman Counties	31	Evening			0	0	5	6	Hail and Wind
Severe thunderstorms moved eastward across these counties and caused much damage to crops. Hail from 3/4 of an inch to golfball size and larger was reported at 6:05 p.m. in northeast Cheyenne County, 7:08 p.m. in St. Francis, 7:55 p.m. in McDnald, 8:10 p.m. 4 miles northwest of Traer, 9:00 p.m. 10 miles southwest of Oberlin, 10:00 p.m. in southern Norton County and at 11:06 p.m. 2 miles west of Phillipsburg. Numerous reports of damaged roofs, windows and trees were received. The storms downed power and telephone poles in Norton and Phillips counties. Approximately 60,000 acres of crops were damaged.									
Clay, Cloud, Rice and Smith Counties	31	Evening			0	0	4	4	Wind and Hail
A stormy evening over northcentral and central Kansas. A number of severe thunderstorms occurred with no organized patterns. Most property damage was in the downtown area in Milledale. Winds most likely over 70 miles an hour caused extensive damage to windows, overhead sidewalk awnings and signs on store fronts. Clay Center and Salina also received some damaged windows, trees and power lines. A tree fell on a car and porch of a house in Sterling. Golfball size hail caused some crop damage in Smith County around Athol.									
Reno County	31	5:45 p			0	0	4	0	Wind
Strong winds at Partridge downed utility poles. Tree limb damage at Nickerson. Some minor flooding on small streams northwest of Hutchinson.									
Riley, Marshall Counties	31	7:30 p - 8:30 p			0	0	?	?	Hail
Intense thunderstorm produced hail to the size of baseballs between Riley and west edge of Tuttle Creek Lake around 7:30 p.m. and at Beattie around 8:30 p.m.									
KENTUCKY									
Calloway Cy	11	9PM CDT					3	4	Svr Tstm
High winds blew down one mobile home 5 miles east of Murray. Three people were injured.									
Grant Cy	1	6:45AM EDT					4	4	Svr Tstm
Winds between 60 and 80 mph caused light damage over a large area of the county. Most of the damage was to trees, sheds, and barns.									
Graves Cy	11	7:30PM CDT					2	4	Svr Tstm
Two people were injured when high winds blew 5 mobile homes off of their foundations near Mayfield.									
Jefferson Cy	3	5AM EDT						5	Svr Tstm
Winds estimated at 70 to 90 mph caused considerable damage to trees and buildings mostly around Standford Airport. The fire station at the field lost most of its roof.									
Jefferson, Oldham, Spencer & Shelby Cys	11	8-10PM EDT						5	Svr Tstm
High winds of 60-80 miles caused scattered damage over these 4 counties. The KY State Fair was stopped temporarily by a power outage and damage to an 800 ft. tent. 15,000 homes were without power. Radio Station WJDL lost its 80 ft. tower.									
McCreary Cy	11	3:15PM EDT					4	4	Svr Tstm
Winds estimated at 80 mph blew over 100 trees and severely damaged two home properties.									
Marshall Cy	4	3PM CDT					2	4	Svr Tstm
Strong winds blew a mobile home off of its foundation and completely destroyed it. Two people inside the home were hospitalized.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
KENTUCKY (continued)									
Martin Cy	21	10PM EDT					6		Flash Flood
		A flash flood caused \$1,000,000 worth of damage to Martin Cy. Seventy homes were damaged and 5 were destroyed. Numerous cars were also destroyed.							
Mason Cy	11	9:30PM EDT							Svr Tstm
		Three inches of rain and high winds caused a lot of damage to Maysville, mostly caused by falling trees on homes and by lightning.							
LOUISIANA									
Catahoula Parish	3	Unknown			0	0	4	0	Thunderstorm winds
		High winds from a thunderstorm damaged a few trees and a pair of mobile homes on Louisiana highway 8 between Manifest and Harrisonburg.							
Washington Parish	4	5:00 PM CDT			0	0	3	0	Thunderstorm winds
		Thunderstorm winds blew over several trees knocking out power and causing minor damage to a boat shed and the roof of a house in Bogalusa.							
Cameron Parish	7	6:00 PM CDT			0	0	4	0	Thunderstorm winds
		Thunderstorm winds ripped the roof off a boat shed and downed a power line at Oak Grove Corner.							
West Baton Rouge Parish	7	Unknown			0	0	3	0	Thunderstorm winds, rain
		A section of roofing was lifted from a converted warehouse building and subsequent rainfall damaged the interior of the building.							
East Baton Rouge, West Baton Rouge, & Iberville Parishes	26	3:30 PM CDT			0	0	4	0	Thunderstorm winds, hail
		Winds estimated at 50 to 60 mph caused considerable damage to homes and businesses in Baton Rouge and Plaquemine. Property damage was due mainly to large trees falling on homes and vehicles, and weak structures such as signs and awnings being blown off. Indirectly caused a steam generating plant in Plaquemine to malfunction when severed power lines created an overload in the circuit.							
Calcasieu Parish	26	7:30 PM CDT	13	50	0	0	4	0	Tornado
		A violent thunderstorm moving through the area spawned a tornado which touched down just south of Iowa. The tornado, moving southwest, went through a subdivision and destroyed a 28 ft pontoon boat, blew the porch off a residence, moved a pickup truck 300 ft, and tore up a chain link fence. The highest gust recorded at Lake Charles Municipal Airport was 53 mph. The storm was estimated to have been moving at 60 mph.							
Rapides Parish	26	6:00 PM CDT			0	0	4	0	Thunderstorm winds, hail
		Thunderstorm winds and golf ball size hail, knocked out power and telephone service, and damaged a car in Alexandria. 23 windows were very blown out of the Electric Distribution Office in addition to numerous reports of broken windshields, and windows in residences. Maximum winds of 42 mph were recorded at Eiler Field. A tree which was apparently weakened by these winds fell on and damaged an automobile early Wednesday.							
East Central Section	27	3:30 - 4:30 PM CDT			0	0	4	0	Thunderstorm winds
		Thunderstorm winds measured at 75 mph by the fire chief in La Place knocked over cement blocks from new construction on the second floor of a dance studio in La Place. The blocks fell on a car parked next to the building. Moving west, high winds from this storm knocked a utility pole into a tree setting it afire in Baton Rouge.							
Caddo & Bossier Parishes	27	Afternoon			0	0	4	0	Thunderstorm winds
		Violent thunderstorm winds toppled many trees in the Shreveport Bossier City area, some which trapped drivers in their automobiles. Other wind damage included an old radio transmitting tower blown down, a metal utility barn turned upside down, a brick wall blown over, and a few broken windows. Maximum winds were estimated at 50 mph.							
Calcasieu & Jefferson Davis Parishes	27	Afternoon			0	0	4	0	Thunderstorm winds, lightning
		At about 5:15, high winds knocked over several trees which damaged a greenhouse and totaled a car west of Elton. Later, near De Quincy lightning struck a house near the fireplace causing some fire damage to the house.							

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	
MAINE									
Sanford, Saco, Biddeford, Kennebunk, Ogunquit, York County	1	6-10p			0	0	4	0	Lightning
		Lightning knocked out communication systems, downed utility lines, shorted out transformers, and caused isolated minor fires and damage to buildings.							
Aroostook County	2	4-10p			0	0	4	0	Lightning
		Lightning blew a hole in an inside wall of a Washburn home. Another lightning strike on a transmission line pole caused a 6-hour power outage from Fort Kent to Madawaska.							
New Sharon, Franklin County; Bangor, Penobscot County	6	2-4a			0	0	5	0	Lightning
		Lightning produced fires in New Sharon which gutted a chain saw shop, and in Bangor where a home received extensive damage.							
Southwestern	6	4-6:30p			0	2	5	0	Lightning
		A lightning strike knocked a 15 year old boy unconscious while in a Sabbathday Lake camp with others. He was revived by mouth to mouth resuscitation. A 14 year old leaning against a metal post in a Durham garage doorway was struck by lightning. He apparently escaped serious injury after being hurled against a vehicle. Lightning hit several homes in New Gloucester and nine homes in Biddeford causing minor damage. However, lightning-produced fires caused extensive damage to a West Bath home and an Orr's Island home.							
York and Cumberland Counties	31	4:30-5:30p			0	1	4	0	Lightning
		Thunderstorms swept across the area with lightning strikes causing a Windham barn and shed to burn to the ground, a small attic fire in a South Portland home, and damage to a steeple and elevator in a Portland apartment complex. A boy escaped serious injury when the metal frame he was sitting on was struck by lightning.							
Waterville, Kennebec County	31	5:45-6:30p			0	0	5	0	Unconfirmed Tornado
		A violent thunderstorm ripped through southern portions of Waterville. A private plane was flipped over at the Municipal Airport where the wind indicator was pegged beyond its 45 mph limit. Over 100 trees were uprooted or snapped off causing damage to dwellings, vehicles and utility wires. A parked motorcycle was thrown 40 feet into a car. Thomas College had its baseball field backstop crumpled while across the street from the campus, 5 utility poles in a row were torn down by wind only.							
MARYLAND & D.C.									
Central and Southern Maryland; District of Columbia	1	Afternoon			0	5	5	0	Wind, Lightning
		Winds gusted to near 70 mph in several sections, with a gust of 80 mph reported in the Annapolis area. Considerable damage was done on the Governor's Mansion property in Annapolis, with a tree falling on a wrought iron fence and tearing out a section of a building. Many boats had to be rescued near the Naval Academy as sailboats were swamped. Tree damage was widespread and 5 minor injuries were reported in the vicinity of Annapolis. Elsewhere, a building under construction in a Dunkirk, Calvert County, shopping center was demolished and a hangar being built near Salisbury was also destroyed by wind. In Washington, D.C. a wall was blown over and damaged several parked autos. The lower Montgomery County teenagers narrowly escaped injury when lightning struck a tree in which they were playing. Total damage expected to exceed \$60,000.							
Baltimore & Glen Burnie areas	3	4:00p-5:00p			0	0	4	0	Lightning
		Lightning caused a boiler-room fire and resulted in smoke damage throughout a church in the Harundale section. In an indirect incident, a lightning-caused traffic light malfunction resulted in a traffic accident in Glen Burnie, with one fatality. Power outages affected up to 15,000 homes in Baltimore and adjacent Anne Arundel County. Total damage, mainly to the Church, near \$50,000.							
Anne Arundel County	5	4:00 p			0	0	4	0	Wind, Lightning
		High winds during a thunderstorm toppled the steel framework of a roller-skating rink under construction near Annapolis. In Arnold, lightning struck a tree, traveled to its base and then entered the ground where it damaged an underground water pump. Total damage estimated at about \$8,000.							
Garrett County	8	10:00 p			0	0	4	0	Wind, Lightning
		Hundreds of fair-goers were forced to flee to their automobiles when caught by a sudden severe thunderstorm. Lightning entered via a power line and set the upstairs of a home on fire near Friendsville, causing extensive damage. Damage expected to be around \$10,000.							

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					KILLED	INJURED	PROPERTY	CROPS	
MARYLAND & D.C. (continued)									
Garrett County	10				0	2	5	0	Wind, Lightning
									Wind demolished a barn near McHenry around 4:30 PM, killing a cow, horse and two ponies housed inside. About the same time lightning struck a house near Frostburg sending two persons to the hospital with minor injuries and causing some damage to appliances in the house. Later in the evening two barns were destroyed by fire after being struck by lightning. Damage: Near \$55,000 wind; and near \$25,000 lightning.
Carroll County	11	5:00 p			0	0	3	0	Wind
									High winds blew a tree upon a church in the Gamber community. The chimney was pulled away from the building and a stained glass window was broken. Total damage around \$3,000.
Garrett County	15-18				0	0	4	3	Rain
									Nearly 4 inches of rain during the period resulted in flooding in the Crellin and Gorman areas. Several highways were blocked by high water and many basements were flooded and yards damaged. Losses estimated at around \$20,000.
MASSACHUSETTS									
Hingham	1	Evening			0	0	5	0	Lightning
Randolph									Lightning struck several houses throughout the area.
Statewide	3				0	0	5	0	Lightning, wind
									In Cambridge and Chelsea several cars were destroyed by falling trees. In Worthington a house was split in two by a large tree. In Chitonnee and Deerfield a church steeple was struck.
Easthampton	5	7 PM			0	0	2	0	Lightning
									A minor strike occurred.
Central Parts	6	Evening			0	2	6	0	Lightning
									In Athol firefighters responded to seven structural fires due to lightning strikes. In Chitopee a large factory was one half destroyed by a triple lightning hit. Two construction workers were listed in stable condition as their backhoe was electrified by lightning.
New Bedford	12	Early AM			0	1	5	0	Lighting, wind
									Two large house trailers were blown over and one occupant suffered a shoulder injury. An historic house was struck by lightning and the resulting fire caused heavy damage.
North Attleboro	12	Early AM			0	0	3	0	Lightning
									A man was "blasted out of bed" as lightning punched a hole in his bedroom roof.
MICHIGAN									
Area bounded by St. Clair Shores, Ann Arbor, Paw Paw, Coldwater, and Blissfield.	2	4-8AM			0	0	4	0	Thunderstorms
									Most severe wind damage was in northern part of Coldwater. Trees and power lines down eastward into Wayne and Lenape counties. 2 houses damaged by lightning on east side of Detroit. Local flooding near Blissfield. Hail listed below was part of this storm.
Paw Paw, Van Buren county.	2	4:34AM							Hail
									1" hailstones
Near Augusta, Kalamazoo county.	2	morning					5		Lightning
									Barn with several hundred bales of hay burned. Car and motorcycle heavily damaged.
SW Jackson county.	2	4AM						C	Hail
									1 1/2" hailstones in 1 mile swath Springsbrook to Crispell.
Washtenaw county.	2	5:10AM							Hail
									1" hailstones.
Coldwater, Branch county.	2	5:40AM							Hail
									1 3/4" hailstones.
SESE Clarkston, Oakland County.	5	evening			0	1	2		Lightning
									Boy using telephone slightly burned. Minor damage to house and boat. Bark stripped from nearby tree.
Huron Islands to Big Bay, Lake Superior.	15	8-10AM							Funnel Clouds
									Reported by U.S. Coast Guard.
Between Hog Island and Sturgeon Bay Point, Lake Michigan.	15	3:00PM							Waterspout

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MICHIGAN (continued)									
Area bounded by Manistee, Mt. Pleasant, Ann Arbor, Battle Creek, and Holland.	19-20	7P-3A			0	0	5	C	Thunderstorms
									Widespread minor wind and lightning damage. Heavy rain caused flash flooding, especially in Oceana, Newaygo and northern Muskegon and Kent counties. 5.18" of rain at Silver Lake State Park, 3.82" at Scottville. Lightning and funnel cloud listed below were part of this storm.
Just SW Whitehall, Lake Michigan	19	9:43PM							Funnel Cloud
									Sighted by civil defense spotter. Moving SE.
Whitehall, Muskegon county.	19	Late Evening			0	0	4		Lightning
									Major fire damage to house. Minor damage to two nearby buildings.
Greenville	19	10:45PM			0	0	4		Lightning
									House gutted by fire. Lesser fires in two nearby homes.
Southwest and north suburbs of Detroit and northwest part of city.	21	1:30-2:10PM			0	0	4		Thunderstorms
									Trees and power lines down. Damage to several buildings.
Pere Marquette Lake, Mason county.	28	morning			0	1			Lightning
									Man riding in open boat struck.
Bay City, Bay county	28	11AM			1	0	0		Lightning
									Woman struck while working in garden.
Houghton Lake, Roscommon county	29	afternoon			1	0	0		Lightning
									Man struck in open boat.
4SE Hastings, Barry county	29	6:29PM			0	0	4		Winds
									Winds estimated at 60-70 mph from an isolated heavy thunderstorm cell overturned two mobile homes, and damaged nine others in a mobile home park. None of the homes were tied down. Some storage sheds were also overturned. No one in the homes that were overturned.
2 NE Milford, Oakland county.	29	late afternoon			0	0	4		Thunderstorm
									House partly destroyed. Outbuildings and fences damaged.
3 S Whitmore Lake, Washtenaw county	31	2:50PM			0	0	4		Tornado
									Major damage to church and to township hall. Outbuildings and tents destroyed. Several persons saw funnel and heard loud noise. Small debris found 5 miles to the east.
3W Ypsilanti, Washtenaw county.	31	3:56PM			0	0	5		Lightning
									Apartment complex set afire. Six units destroyed, others damaged.
MINNESOTA									
4 W Marshall Lyon County	2	00:45 a	25	*3	0	0	4	5	Hail
									Golf ball size hail devastated 25,000 to 30,000 acres of corn, soybeans and wheat. Total crop loss estimated at 90 to 100% in extensive area of "severe" damage. Most of the 160 mobile homes in a Marshall trailer park were damaged by hail, mainly broken windows, but also some damage to the roofs and metal panels.
Waseca Vicinity Waseca County	2	3:00 a	--	--	0	0	4	0	Lightning
									Soybean-filled granary destroyed by lightning strike fire. Market value of the beans alone was \$9,000.
Wabasso Vicinity Redwood County	4	00:45 a	--	--	0	0	5	0	Wind
									Straight winds estimated in excess of 80 miles an hour caused extensive damage to several area farms. Damage included silos, farm buildings, trees and branches.
West Central	6	3:00 p	--	--	0	0	6	6	Wind and hail
									Originating in southeast North Dakota during the early afternoon, the storm entered Wabasha county in western Minnesota at 3:00 p.m. and continued southeastward over parts of Grant, Douglas, Stevens and Pope counties. Many area towns and rural areas received extensive property damage and whole sections of crops in the storm's path were completely stripped by winds to 90 mph and hail to softball size. One hanger was blown away and another partially torn off at the Breckenridge-Wapeton Interstate Airport. Seven airplanes sustained heavy damage. From here the storm ripped through Elbow Lake, Barrett and Hoffman--then southeastward to Kensington, Glenwood and Starbuck. Crop damage varied from 50% to 100%, many completely stripped by wind and hail. Building, farm and equipment damage was high, with hundreds of windows in homes and business places broken, screens punctured and roofs and siding severely damaged. Auto damage was estimated at \$60,000 in Elbow Lake alone.

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MINNESOTA (continued)									
East Central	6-7	11:00 p	--	--	0	0	6	5	Wind
<p>This wind storm in east central Minnesota was an extension of the afternoon storm of west central Minnesota. A severe thunderstorm carrying straight line winds clocked up to 90 mph, caused extensive damage in Stearns, Meeker, Wright, McLeod, and eventually the 7-County area of Minneapolis/St. Paul. Storm damage was in the millions and included destruction to crops, trees, power lines and poles, homes, cars, signs, campers, materials and equipment. As the storm reached the Twin Cities Metropolitan Area at 1:00-2:00 a.m., two planes were overturned at the Blaine Airport, eight buildings damaged in Fridley, numerous trees destroyed, and 118,600 power outages were reported by NSP. Heavy winds that lasted about an hour in the Metropolitan Area, also toppled two radio towers, one 450 ft. and the other 600 ft.</p>									
Southeast	7	1:00 p	--	--	0	0	5	5	Wind
<p>Straight line winds gusting to near 80 mph roared through the southeast counties of Olmsted, Mower, Winona, Fillmore and Houston. There was extensive damage to rural homes and outbuildings as well as city structures, with dozens of trees destroyed. Numerous power outages were reported. Fifteen cattle were killed on one farm, and one on another, as barns collapsed over them. Hundreds of turkeys were killed in a similar mishap. Wind damage to corn crops was also extensive.</p>									
Southwest	18	10:00 p	--	--	0	0	6	5	Wind
<p>Severe August thunderstorms moved eastward over a three county area of southwest Minnesota, leaving a trail of rubble. Winds were clocked in excess of 40 mph at Worthington, as the storm which had originated in South Dakota, continued into Rock, Nobles, and Jackson counties. Many homes were damaged, and farm outbuildings flattened. Numerous trees and wires were down, causing power outages. The storm roared through a trailer park at Jackson, demolishing storage sheds and damaging trailers. There was some crop damage due to small hail, and somewhat heavier damage due to the wind.</p>									
Lake Crystal Blue Earth County	18	11:44 p	2-3/4	20	0	1	6	4	Tornado
<p>A tornado, moving from west to east, passed through the southeast edge of Lake Crystal and continued east inflicting damage to homes and outbuildings on more than a dozen farms. The tornado was three-fourths of the way through town when it touched down, taking the top off a one-story house and exploding the garage into scattering debris. The garage collapse resulted in injury to a 30-year old woman, who received a sprained back, multiple bruises, and possible cracked hip. Extensive property damage included two heavily damaged homes, and damage to half a dozen others in the city. There was scattered power outages, felled trees, and some hail damage.</p>									
East Central	19	9:00 p	--	--	1	0	6	6	Wind
<p>A storm borne by winds in excess of 80 mph swept through Sibley, Scott and Dakota counties. Damage was extensive, and estimated in excess of one million dollars in Scott County alone. Two hangars were destroyed, and five planes severely damaged at Belle Plaine Airport. Many trees and power outages. An 80,000 bushel grain bin was destroyed and one damaged near Gibbon. Wind and hail inflicted heavy crop damage near Gibbon, as well as other areas. This storm, with winds of hurricane force, formed in Sibley county and blew eastward across Scott and Dakota counties. In at least one area, it was considered "the most severe summer storm since 1947."</p>									
MISSISSIPPI									
Pontotoc County	19	3:00p			1	8	0	0	Lightning
<p>Lightning struck a group of 9 people as they were attempting to pull two boats out of Mather Trace Park Lake. An 18-year old male was hospitalized and died 5 days later. The other 8 people sustained relatively minor injuries.</p>									
Gulfport	27	12:30a			1	0	0	0	Lightning
<p>A 27-year old man was struck by lightning on the beach in front of the Gulfport Holiday Inn. He died in the hospital several days later.</p>									
MISSOURI									
St. Francois County	1	Around 2:00AM				1			Severe thunderstorm
<p>During the early morning hours of August 1, 1980, a severe thunderstorm struck Bismarck, Missouri causing damage to trees, power and telephone lines. Fallen trees also damaged homes and automobiles. One person was injured when their mobile home was overturned by the high winds. Several mobile homes were damaged during the storm.</p>									
Adair County	4	Evening				0			Severe thunderstorm
<p>Thunderstorms did minor damage to roof tops and trees in Kirksville, Missouri.</p>									

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MISSOURI (continued)									
Harrison County	4	Afternoon							Severe thunderstorm
<p>High winds caused heavy damage to the Gilman City, Missouri school in Harrison County.</p>									
Carroll County	4	Afternoon							Severe thunderstorm
<p>High winds damaged farm buildings 1 mile north of Coloma, Missouri.</p>									
Callaway County	4	Evening							Severe thunderstorm
<p>Heavy thunderstorms with high winds swept through portions of Callaway County causing tree and power line damage.</p>									
St. Louis County	4	Night							Severe thunderstorm
<p>High winds downed trees and power lines in the southern half of the St. Louis Metropolitan Area.</p>									
Boone County	4	3:00 PM							Severe thunderstorm
<p>High winds blew over small sheds just south of Columbia, Missouri.</p>									
Saline and Howard Counties	4	4:30 PM							Severe thunderstorm
<p>High winds blew over several telephone poles in Slater, Missouri with tree damage in New Franklin, Missouri.</p>									
Pettis County	4	6:30 PM							Severe thunderstorm
<p>Winds estimated at 70 MPH in the northern sections of Sedalia, Missouri caused damage to tree limbs and power lines.</p>									
60 miles west Columbia Missouri	4	Evening							Severe thunderstorm
<p>Heavy rain caused some minor flooding on Blackwater River. (9.7 inches of rain reported at Windsor, Missouri Monday Night.)</p>									
Lewis County	4	Late Afternoon							Severe thunderstorm
<p>High winds did extensive damage to the Lewis County fairgrounds destroying the grandstand and other buildings and barns. Tree and power line damage in and around Lewistown, Missouri.</p>									
Johnson County	5	7:45PM							Severe thunderstorm
<p>Three-fourths (3/4) inch hail at Whiteman AFB.</p>									
Pettis County	5	8:50PM							Severe thunderstorm
<p>Trees reported uprooted by high winds 5 miles south of Sedalia, Missouri and also in the northwest part of Sedalia.</p>									
Marion County	6	1:00AM							Severe thunderstorm
<p>High winds blew down tree limbs with plate glass windows out in Hannibal, Missouri.</p>									
Kansas City, Missouri	10	Evening 6-7:00PM							Severe thunderstorm
<p>Considerable damage in the Kansas City Area knocking out power lines.</p>									
Macon County	10	5:00PM							Severe thunderstorm
<p>High winds destroyed or damaged several farm buildings northwest of Clarence, Missouri in Macon County. Tree damage also reported in Clarence.</p>									
Lewis County	10	Night							Severe thunderstorm
<p>Wind damage to trees in Canton, Lewistown and LaRelle, Missouri.</p>									
Andrew County	10	Night							Severe thunderstorm
<p>High winds blew down tree limbs which fell on a car in Savannah, MO.</p>									
Dent County	11	Afternoon 2:00PM							Severe thunderstorm
<p>High winds damaged houses and businesses in Salem, Missouri. Trees were toppled onto two homes with minor damage.</p>									
Clark County	13	7:20PM							Severe thunderstorm
<p>Four (4) miles southwest of Kahoka, Missouri. 1/2 to 3/4 inch hail with damaging winds.</p>									
Lewis County	13	8:00 PM							Severe thunderstorm
<p>Eight (8) miles east of Williamstown, Missouri tree limbs down.</p>									
Laclede County	14	10:40PM							Severe thunderstorm
<p>Trees down vicinity of Lebanon, Missouri.</p>									
	14	10:55PM							Severe thunderstorm
<p>Inconformed mini-tornado three (3) southwest Lebanon, Missouri. Some trees, power lines and power poles down. A local radio station recorded wind gusts to about 60 MPH.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1980

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	
MISSOURI (continued)									
St. Louis County	17	10:25PM							Severe thunderstorm
		Wind damage to trees and power lines south St. Louis County.							
	17	11:14PM							
		Free damage to northeast sections St. Louis County and east tip St. Charles County.							
Laclede County	18	Afternoon							Severe thunderstorm
		Twenty-five (25) miles southeast of Lebanon, Missouri high winds destroyed a farm building with two automobiles inside. The storm lasted only about 30 to 40 seconds.							
Grundy County	20	5:00PM			1				Severe thunderstorm
		High winds near Edinburg, Missouri with severely damaged farm buildings and one minor injury to a farmer. Also tree and auto damage and power outages.							
Northeast	20	6:00PM							Severe thunderstorm
		High winds swept through northeast Missouri with tree and power lines down in Kirksville, Newinger, Greentop, Queen City, Downing, Baring, Brashear, Atlanta and Brookfield.							
Pettis and Benton County	20	Night							Severe thunderstorm
		Scattered power outages in Pettis and Benton County as high winds moved through the area.							
Henry County	20	Night							Severe thunderstorm
		Clinton, Missouri ... scattered trees down.							
Lewis County	20	10:15PM							Severe thunderstorm
		Estimated 60 MPH winds near Maywood, Missouri.							
Ralls County	20	10:15PM							Severe thunderstorm
		Wind damage... trees down... northern Ralls County.							
Adair County	20	6:27PM							Severe thunderstorm
		Sixty (60) knot winds at Kirksville, Missouri Airport.							
Marion County	20	10:20PM							Severe thunderstorm
		Fifty (50) to sixty (60) MPH winds with some tree damage 10 miles north of Hannibal, Missouri.							
Linn County	20	6:30PM							Severe thunderstorm
		Eight (8) miles north of Brookfield, Missouri trees and power lines down due to high straight line winds.							
McDonald County	20	9:27PM							Severe thunderstorm
		High winds downed trees and power lines in Anderson and Pineville, Missouri.							
Cass County	20	Night							Severe thunderstorm
		High winds damaged mobile home in Belton, MO with power outages, trees and power lines down in Pleasant Hill, Missouri. House damaged when lightning hit tree and it fell on house.							
MONTANA									
			NONE REPORTED						
NEBRASKA									
Scottsbluff County	1	6:02 PM			0	0	3	0	Damaging Winds
		Winds gusted to 69 m.p.h. at Scottsbluff downing tree limbs.							
Rock County	1	6:20 PM			0	0	2	0	Damaging Winds
		Thunderstorm winds broke tree limbs south of Rose.							
Harlan County	1	9:00 PM	1/8	30	0	0	4	4	Tornado
		A tornado touched down 3 miles north and 4 miles west of Huntley, upsetting a 14 ton semi-trailer, overturning feeders and a wagon, demolishing a horse barn and stripping corn.							
Cherry County	3	4:30 PM			0	0	?	0	Damaging Winds
		Winds gusted to 60 m.p.h. in a thunderstorm at Elmore.							
Scottsbluff County	3	7:40 PM			0	0	?	0	High Winds
		Winds gusted to 66 m.p.h. at Scottsbluff.							
NEBRASKA (continued)									
Holt County	3	9:00 PM			0	0	4	4	Damaging Winds
		Wind gusts in thunderstorms destroyed a trailer home near O'Neill and downed trees and power lines near Chambers.							
Hooker, Thomas, McPherson and Logan Counties	3-4	9:00 PM - 4:00 AM			0	0	0	5	Lightning
		Range fires caused by lightning destroyed hay and pasture land. One of the largest fires was in northwest Logan County where 1000 acres were destroyed.							
Nemaha County	4	4:30 AM			0	0	3	0	Damaging Winds
		Winds gusting to 70 m.p.h. downed trees and broke windows at Auburn.							
Seward County	5	4:40 PM			0	0	2	3	Hail
		Three quarter inch to inch size hail fell around Goehner to south of Seward causing crop damage.							
Cheyenne County	8	12:00 AM - 2:00 AM			0	0	3	4	Lightning
		Lightning set off several range fires which spread and destroyed a storage shed. The police radio was damaged at Sidney.							
Daves County	8	6:00 AM			0	0	0	3	Lightning
		Lightning set off a number of range fires.							
Sheridan County	8	7:00 PM			0	0	3	0	Lightning
		Lightning killed 5 steers at Gordon.							
Nance County	10	12:25 AM			0	0	?	0	Damaging Winds
		Winds gusted to 70 m.p.h. in thunderstorms at Genoa City causing minor damage.							
Knox County	10	1:30 PM			0	0	4	5	Damaging Winds and Hail
		Thunderstorm winds extensively damaged two farms near Crofton. Hail of 1 to 2 inches in diameter also heavily damaged crops southwest of Crofton.							
Box Butte, Sheridan and Garden Counties	10	6:05 PM - 6:55 PM			0	0	5	6	Damaging Winds and Hail
		Hail upwards to 3 inches in diameter driven by wind gusts to 80 m.p.h. caused considerable crop damage, broken windows, downed trees and utility lines and damage to vehicles and buildings in a path 5 to 7 miles wide from 8 miles north of Hemingford to 6 miles northeast of Alliance through Lakeside. A mobile home was destroyed northeast of Alliance.							
Sheridan County	10	6:30 PM - 6:45 PM	11	30	0	0	4	?	Tornado
		A tornado touched down 8 miles north and 10 miles east of Alliance and moved south to 4 miles west of Antioch. A barn and storage shed were destroyed, power lines downed, trees uprooted and farm equipment damaged. A number of cattle were killed.							
Cherry County	10	6:40 PM			0	0	4	3	Hail
		Hail to 2 inches in diameter damaged property and crops around Piester Lake.							
Thomas and Blaine Counties	10	7:20 PM - 7:45 PM			0	0	4	5	Damaging Winds and Hail
		Wind gusts of 50 to 60 m.p.h. downed trees and utility lines from around Theford through Dunning. Three inch hail accompanied the thunderstorm winds damaging crops, breaking glass and injuring cattle.							
Custer County	10	7:45 PM - 8:20 PM			0	0	6	7	Damaging Winds and Hail
		Two to four inch hail driven by winds estimated gusting at times to 100 m.p.h. broke windows, damaged buildings, downed trees and utility lines and severely damaged crops in a 3 mile path from 4 miles east of Anselmo to east of Westerville.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEBRASKA (continued)									
Valley, Sherman, Howard, Buffalo, Hall and Adams Counties	10	8:20 PM - 10:00 PM			0	0	6	7	Damaging Winds and Hail
					One and half to three inch hail and 60 to 70 m.p.h. winds in thunderstorms broke windows, damaged roofs and vehicles, and did major damage to crops, trees and utility lines. Most concentrated damage was in a 5 to 10 mile wide path from northwest of Loup City through Boelus, Cairo, west of Grand Island to near Hastings. Broken windows in cars and homes were common in Loup City, Boelus and Cairo.				
Arthur and Grand Counties	10	9:00 PM - 10:00 PM			0	1	5	6	Hail and High Winds
					Hail to 3 inches and high winds broke windows, and damaged vehicles, roofs, trees and crops. One person was injured by the hail near Arthur. A mobile home was also severely damaged near the town.				
Hall County	10	9:35 PM	1/8	20	0	0	5	0	Tornado
					A tornado touched down 3 miles west and 2 miles south of Grand Island tipping off a roof of a school.				
Red Willow County	10	10:00 PM			0	0	4	0	Damaging Winds
					Thunderstorm winds knocked down trees and utility lines and damaged roofs and mobile homes around McCook and Indianola.				
Cuming County	10	10:00 PM			0	0	3	0	Damaging Winds
					Building under construction was destroyed in gusty thunderstorm winds at Wisner.				
Colfax County	10	10:15 PM			0	1	0	0	Lightning
					A boy was struck and injured by lightning near Leigh.				
Dodge, Saunders, and Douglas Counties	10	11:45 PM			0	0	2	0	Damaging Winds
					Wind gusts in thundersforms downed a few trees and caused scattered power outages from Fremont to Omaha.				
Nuckolls County	16	10:20 PM			0	0	?	0	High Winds
					Fifty to sixty m.p.h. winds were reported at Superior in thunderstorms. No damage reported.				
Saunders County	17	12:20 AM			0	0	3	0	Damaging Winds
					Thunderstorm winds downed trees at Ashland.				
Douglas County	17	1:10 AM			0	0	3	?	Flash Flood
					Two to four inches of rain in less than 30 minutes fell on saturated ground causing flooding in Northwest Omaha. A number of creeks went out of banks flooding some roads and basements.				
Custer County	18	6:30 PM			0	0	?	0	High Winds
					Seventy-five m.p.h. winds were reported at Oconto. No report of damage was received.				
Custer County	18	7:05 PM			0	0	?	?	Hail
					One and a half inch hail fell east of Anselmo. No damage was reported.				
Custer County	18	7:10 PM			0	0	0	0	Funnel Cloud
					A funnel cloud was reported between Gates and Merna.				
Knox County	18	7:50 PM			0	0	0	0	Funnel Cloud
					A funnel cloud was reported 5 miles west of Bloomfield.				
Pierce County	18	8:00 PM			0	0	0	0	Funnel Cloud
					A funnel cloud was sighted near Foster.				
Madison County	18	8:15 PM			0	0	3	4	Hail
					One inch hail fell in and around Norfolk causing some property and crop damage.				
Holt and Knox Counties	18	8:15 PM			0	0	5	0	Damaging Winds
					High winds in a thunderstorm blew a truck off the road near O'Neill and destroyed a mobile home near Niobrara. Trees and utility lines were also downed.				
Pierce County	18	8:20 PM			0	0	3	0	Damaging Winds
					Trees and power lines were damaged by thunderstorm winds at Pierce.				
NEBRASKA (continued)									
Cedar County	18	8:25 PM			0	0	0	0	Funnel Clouds
					Funnel clouds were sighted 3 miles south of Coleridge and just east of Laurel.				
Dakota County	18	9:00 PM			0	0	4	0	Damaging Winds
					Sixty to seventy m.p.h. winds in thunderstorms caused considerable tree and utility line damage and blew out a number of windows in South Sioux City.				
York County	20	2:30 AM			0	0	3	0	Damaging Winds
					Thunderstorm winds damaged trees and upset a camper in McCool Junction.				
Thayer County	20	2:40 AM			0	0	3	0	Damaging Winds
					Gusty thunderstorm winds demolished a corn crib and damaged a holding tank on a farm near Byron.				
Dundy County	25	4:40 PM			0	0	0	0	Funnel Cloud
					A funnel cloud was reported 20 miles north of Benkelman.				
Madison and Platte Counties	25	4:50 PM - 5:20 PM			0	0	4	4	Damaging Winds
					Seventy-five m.p.h. winds in a thunderstorm caused tree, utility line and roof damage at Lindsay. A truck was also blown off the highway south of Madison.				
Banner County	27	5:10 PM			0	0	0	?	Hail
					One and a half inch hail fell near Harrisburg with minor crop damage.				
NEVADA									
NONE REPORTED									
NEW HAMPSHIRE									
Southern & Central	1	4-9p			0	0	5	0	Rain, Wind, Lightning
					Thunderstorms featured heavy downpours (1.5 inches in one hour and 2.4 inches in 3 hours at Concord) and strong winds (50 mph at Newmarket) causing local urban flooding and power outages. Lightning destroyed a barn in South Alton by fire. Strikes caused damage to buildings in Franklin area. Lightning caused \$50,000 worth of damage to a Portsmouth Naval Shipyard building. Timely statements were issued by NWS Concord.				
Southern	5	7-9p			0	9	5	0	Lightning
					Thunderstorms produced minor power outages, downed trees and local street flooding. Numerous lightning strikes were reported which produced 2 house fires in Milton; struck 2 barns in Bedford, destroying one; and did minor damage to 6 Berry residences. At Ganobie Lake amusement park in Salem, 9 people were injured from a tree felled by lightning.				
Manchester & Windsor, Hillsborough County; Newport, Sullivan County; Londonderry, Rockingham County	6	2-9p			0	1	5	0	Rain, Wind, Lightning
					Thunderstorms produced strong winds, heavy downpours (2 inches in one hour at Manchester) and numerous lightning strikes. This resulted in local urban flooding and power outages. Hardest hit by strong winds was Newport where the rear wall of a heavy equipment garage was blown out causing the roof to collapse. Another nearby garage was lifted off its foundation and left in a heap thirty feet away. Several large trees were uprooted. Lightning did extensive damage to a Windsor home and, in Londonderry, a 16 year old boy escaped serious injury when bowled over by lightning while in a kitchen. Timely warnings were issued by NWS Concord.				
Clarksville Area, Coos County	8	8:30p	Short	Narrow	0	0	5		Small Tornado
					A small tornado touched down twice in sparsely populated Clarksville. It first touched down on the Ricker Farm doing minor damage near the barn. It lifted and came down one-eighth of a mile to the East near the Purgetson Road area where it cleared a path approximately one-half mile long and several hundred yards wide. The downed trees appeared to face outward from the center of the path.				
NEW JERSEY									
COASTAL	5	late-afternoon			0	0	?	?	Thundershowers
					Drenching wide areas and providing spectacular lightning displays, the storm caused extensive power failure and local flooding in some areas.				

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					KILLED	INJURED	PROPERTY	CROPS		
NEW MEXICO										
Near Albuquerque, Bernalillo County	5	3:56 p.			0	0	0	0	Tornado	
									Small tornado observed making brief touchdown on barren, vacant mesa west of Albuquerque.	
15-20 miles SW of Ruidoso Airport, Lincoln County	7	4:52 p.			0	0	0	0	Funnel aloft	
									Funnel cloud reported by pilot.	
Silver City, Grant County	10	1:10 p.			1	0	0	0	Lightning	
Albuquerque, Bernalillo County	14	Early Morning			0	0	6	0	Heavy Rain	
									Rain resulting from moisture contained in tropical storm Allen concentrated in Albuquerque area from about 1 a.m. to 9 a.m. Heaviest amounts in Northeast Heights sections up to 4 or 5 inches. Numerous streets and flood control structures washed out and some home damage.	
NEW YORK COASTAL										
Extreme Southeast Nassau, Suffolk Co. Metropolitan Area	2	p.m.			0	0	?	?	Severe Thunderstorm	
									The storm included an unusual display of lightning, caused flooding, knocked down trees and power lines with winds averaging 70 miles per hour. It caused some observers to describe the storm as a tornado.	
	11	p.m.			0	0	6	?	Severe Thunderstorm	
									The storm ravaged the Metropolitan Area leaving 30,000 homes without power with thunder so deafening that it was heard inside Madison Square Garden above the din of delegates at the Democratic Convention. Long Island Lighting Company stated that Nassau and Suffolk counties were the hardest hit by the storm. The lightning touched off a fire that caused \$1 million dollars worth of fire damage to a New York Institute of Technology building on Long Island.	
NEW YORK CENTRAL										
CHEMUNGO, ONEIDA, HERKIMER, OTSEGO, SARATOGA, SCHENECTADY, ALBANY, RENSSELAER AND WASHINGTON COUNTIES	1	2P-5P			1	0	5	°C	SEVERE THUNDERSTORMS	
									SEVERE THUNDERSTORMS WITH STRONG WINDS AND HEAVY RAIN CAUSED DOWNED TREES AND POWERLINES. 1.12 INCHES OF RAIN WAS REPORTED AT THE ALBANY COUNTY AIRPORT. IN MALTA, SARATOGA CO., A TWO-STORY FRAME HOUSE WAS HIT BY LIGHTNING AND HEAVILY DAMAGED IN THE RESULTING FIRE. A FOURTEEN-YEAR OLD BOY WAS STRUCK AND KILLED BY LIGHTNING IN THE TOWN OF NEW BERLIN, CHEMUNGO CO., WHEN LIGHTNING ARCED FROM 90 YARDS AWAY WHERE THE BOLT HIT A TREE. LIGHTNING ALSO KILLED 17 DAIRY COWS NEAR WHITEHALL IN WASHINGTON COUNTY. A POSSIBLE FUNNEL CLOUD WAS SIGHTED NEAR DUANESBURG, ALBANY CO., AND TRACKED BY WEATHER SERVICE RADAR INTO RENSSELAER CO.	
DELAWARE, ULSTER AND DUTCHESS COUNTIES	2	4P-9P			0	2	4	°C	THUNDERSTORMS	
									WINDS UP TO 60MPH IN THUNDERSTORMS DOWNED MANY TREES AND POWERLINES WITH MANY AREAS WITHOUT POWER. SEVERAL TREES WERE REPORTED FALLING ON PRIVATE HOMES AND IN DELAWARE CO., NEAR HANCOCK, TWO WOMEN WERE STRUCK BY A FALLING TREE. ONE SUSTAINED MINOR INJURIES AND THE OTHER KNOCKED UNCONSCIOUS.	
AREAWIDE	5	2:30P-7:30P			1	8	5	°C	THUNDERSTORMS	
									SEVEN PEOPLE WERE WATERSKIING IN SULLIVAN CO., WHEN LIGHTNING STRUCK TWO OF THEM. THE OTHER FIVE WERE TREATED FOR EXPOSURE INJURIES AND RELEASED FROM THE HOSPITAL. ANOTHER MAN WAS INJURED WHEN STRUCK BY LIGHTNING WHILE PUMPING GAS IN THE SAME COUNTY. MANY AREAS WERE WITHOUT POWER AS STRONG WINDS AND LIGHTNING DOWNED MANY TREES AND POWERLINES. LIGHTNING ALSO HIT A RADIO STATION IN BOONVILLE, ONEIDA CO., INTERRUPTING TRANSMISSION FOR ABOUT 20 MINUTES. THREE COWS WERE KILLED BY LIGHTNING IN WASHINGTON CO. HAIL UP TO 1 1/2 INCHES WAS REPORTED IN THE ALBANY AREA. 2.78 INCHES OF RAIN FELL IN ONE HOUR AT THE ALBANY AIRPORT, WHERE WINDS GUSTED UP TO 62MPH. A MAN DROWNED IN A SWOLLEN CREEK CAUSED BY THE HEAVY RAIN NEAR WEST LEYDEN, ONEIDA CO.	
SARATOGA, WARREN, AND WASHINGTON COUNTIES	30	6P-8P			1	3	3	0	LIGHTNING	
									AN ESTIMATED 10,000 PEOPLE WERE WITHOUT POWER WHEN LIGHTNING STRUCK TRANSMISSION LINES AND TREES NEAR POWERLINES. NUMEROUS BURGLER ALARMS WERE SET OFF BY THE LIGHTNING STRIKES. AN 18 YR. OLD GIRL WAS KILLED BY LIGHTNING WHILE CAMPING UNDER PINE TREES IN SARATOGA CO., AND THREE OF HER ASSOCIATES WERE INJURED.	
NEW YORK WESTERN										
									NONE REPORTED	
NORTH CAROLINA										
Central and Eastern	1	3 & 8pm			0	0	0	7	Hail	
									A line of severe thunderstorms formed over central North Carolina from Winston-Salem south to Lincoln in Lincoln County. This line of thunderstorms moved eastward through eastern North Carolina before dissipating that evening. These thunderstorms were accompanied by hail and high winds. Crop damage due to hail is estimated at 9 million dollars making it the most damaging hail outbreak in 30 years in North Carolina.	
Guilford County Greensboro	1	4:00pm			0	0	0	0	Wind	
									The Weather Service at Greensboro Airport reported 50 knot winds in a thunderstorm.	
Nash County Rocky Mount-Wilson Airport	1	4:03pm			0	0	0	0	Hail	
									FAA Observer reported 1" Hail from a thunderstorm at the Rocky Mount-Wilson Airport.	
Wake County Knightdale	1	4:30pm			0	1	0	0	Lightning	
									A man was struck by lightning and injured during a thunderstorm.	
Moore County Southern Pines	1	4:45pm			0	0	4	0	Wind	
									High winds during a thunderstorm took the roof off a car wash and collapsed one wall.	
Wake County NE Raleigh	1	5:00pm			1	0	0	0	Lightning	
									A man was killed when his house was struck by lightning while he was working on the house's electrical system.	
Nash County Rocky Mount-Wilson Airport	1	5:00pm			0	0	0	0	Wind	
									FAA Observer reported wind gusts to 60 knots during a thunderstorm.	
Sampson County Roseboro	1	7:44pm	Short	10	0	0	2	0	Tornado	
									Public and Law Enforcement officials reported a brief tornado. Destroyed trees and some power lines in the area.	
Granville County Oxford	10	8:30pm			0	0	0	?	Hail	
									Oxford Police reported baseball size hail during a thunderstorm. Some crop damage was sustained in northeast Durham and Granville Counties.	
Johnston County Benson	12	Afternoon			0	2	0	0	Lightning	
									Two farmers were injured by lightning during a thunderstorm.	
Onslow County Sneeds Ferry	12	6:15pm			0	0	4	0	Wind	
									A 48-foot trailer was turned onto its side in Stone's Bay section of New River during a thunderstorm.	
Craven County Cove City	12	6:20pm			0	0	4	?	Wind	
									Two H-frame power transmission towers were blown over during a thunderstorm.	
NORTH DAKOTA										
Lake Tschida (Grant County)	3	3:00 p CST			0	0	0	5	Hail	
									Hail one inch in diameter caused severe crop damage.	
Mandan ISW (Morton County)	3	4:20 p CST			0	0	3	0	Wind	
									High winds destroyed a wood storage shed, damaged the roof of a house and garage, and tipped over a shed.	
Hazen (Mercer County)	3	4:30 p CST			0	0	0	4	Hail	
									Hail caused moderate crop damage.	
Mandan (Morton County)	3	4:40 p CST			0	0	0	0	Hail	
									Hail one inch in diameter. No damage reported.	
Bismarck (Burleigh County)	3	4:45 p CST			0	0	0	0	Hail	
									Hail up to one inch in diameter. No damage reported.	
Wilton (McLean County)	3	4:50 p CST			0	0	0	3	Hail	
									Hail caused extensive damage to gardens.	
Regan 12N (Burleigh County)	3	5:00 p CST			?	?	0	3	0	Tornado
									Tornado touched down briefly and damaged several buildings.	

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					KILLED	INJURED	PROPERTY	CROPS	
NORTH DAKOTA (continued)									
Baldwin (Burleigh County)	3	5:15 p CST			0	0	0	5	Hail
		Hail 1-1/2 inches in diameter							damaged crops and gardens.
Wing (Burleigh County)	3	5:20 p CST			0	0	0	5	Hail
		Hail damaged crops and gardens.							
Crystal Springs 155W (Kidder County)	3	6:11 p CST							Funnel
Bismarck (Burleigh County)	3	6:18 p CST			0	0	4	0	Wind
		High winds (up to 61 mph at Airport)							tore a portion of a roof off a building under construction.
Chasley (Wells County)	3	6:30 p CST			0	0	0	5	Hail
		Hail did extensive crop damage.							
Tappen (Kidder County)	3	6:35 p CST			0	0	0	0	Hail
		Hail 3/4 inch in diameter							No damage.
Robinson (Kidder County)	3	7:00 p CST			0	0	0	5	Hail
		Hail caused moderate to severe crop damage.							
Eldridge (Stutsman County)	3	7:15 p CST			0	0	0	5	Hail
		Golfball size hail							damaged crops.
Steele (Kidder County)	6	10:00 a CST			0	0	0	4	Hail
		Hail caused moderate crop damage.							
Tappen (Kidder County)	6	10:55 a CST			0	0	0	0	Hail
		Hail one inch in diameter							No damage reported.
Marion (LaMoore County)	6	12:04 p CST			0	0	0	5	Hail
		Hail 2-3/4 inches in diameter							damaged crops.
Jamestown (Stutsman County)	6	12:06 p CST			0	0	5	5	Hail
		Golfball size hail							dentured automobiles, knocked out windows, and damaged crops.
Goodrich (Sheridan County)	6	12:06 p CST			0	0	0	5	Hail
		Golfball size hail							did considerable crop damage.
Ypsilanti (Stutsman County)	6	12:30 p CST			0	0	4	5	Hail
		Baseball size hail							damaged autos and crops.
Chasley (Wells County)	6	12:35 p CST			0	0	3	5	Hail
		Baseball size hail							damaged buildings, destroyed crops and killed two head of cattle.
Leonard (Cass County)	6	1:00 p CST			0	0	5	6	Wind, Hail
		High wind destroyed a barn and hail							severely damaged crops.
Valley City (Barnes County)	6	1:00 p CST			0	0	0	6	Hail
		Marble to tennis ball size hail							did severe crop damage.
Sanborn 10S (Barnes County)	6	1:05 p CST			0	0	4	6	Hail
		Baseball size hail							broke car windshields and severely damaged crops.
Cathay (Wells County)	6	1:30 p CST			0	0	0	5	Hail
		Hail caused moderate to severe crop damage.							
Enderlin (Ransom County)	6	1:55 p CST			0	0	5	6	Hail
		Baseball size hail							broke windows, damaged shingles on roofs, did extensive tree damage, damaged mobile homes and damaged crops.
Pingree (Stutsman County)	6	2:00 p CST			0	0	0	5	Hail
		Golfball size hail							destroyed crops.
Alice (Cass County)	6	2:00 p CST			0	0	0	6	Hail
		Golfball size hail							severely damaged crops.
Fingal (Barnes County)	6	2:00 p CST			0	0	0	4	Hail
		Golfball size hail							did moderate crop damage.
Sheldon (Ransom County)	6	2:10 p CST			0	0	5	6	Hail, Wind
		Softball size hail							damaged homes and totaled crops. High winds destroyed a concrete block barn.

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 (continued)									
Davenport 4W (Cass County)	6	2:27 p CST	?	?	0	0	0	0	Tornado
		Tornado touched down briefly.							No damage reported.
Abercrombie (Richland County)	6	3:15 p CST			0	4	5	7	Hail, Wind
		High winds destroyed two mobile homes and a barn, damaged most homes, and knocked over trees. Hail severely damaged crops and did damage to roofs and windows on homes. Two persons were injured when strong winds tipped over their mobile homes. Two other persons were bruised by hail.							
Galchutt (Richland County)	6	3:18 p CST	?	?	0	0	0	0	Tornado
		Tornado touched down briefly.							No damage reported.
Colfax (Richland County)	6	3:27 p CST			0	2	6	7	Wind, Hail
		A severe storm with high winds and golfball size hail damaged all the homes in the town, blew a grain elevator roof off, tore the roof off the school gym and severely damaged area crops. Two boys were injured by flying debris.							
Valley City (Barnes County)	6	3:32 p CST			0	0	4	6	Hail
		Hail up to 1-3/4 inches in diameter							damaged cars, downed tree limbs and destroyed crops.
Wahpeton (Richland County)	6	3:35 p CST			0	1	6	7	Wind, Hail
		A severe storm with winds up to 80 mph and golfball size hail tore down trees, flipped over mobile homes, damaged many homes, knocked out numerous windshields, destroyed an airport hangar, damaged several planes, and totaled area crops. One person was injured by flying glass.							
Carrington 12E (Foster County)	6	3:35 p CST			0	0	5	7	Hail
		Baseball size hail							wiped out crops and damaged homes.
Hannaford (Griggs County)	6	4:00 p CST			0	0	5	6	Hail, Wind
		A severe storm with golfball size hail and strong winds broke windows, damaged trees and flattened crops.							
Abercrombie (Richland County)	6	5:18 p CST			0	0	0	0	Hail
		Golfball size hail.							No damage reported.
Wahpeton (Richland County)	6	6:10 p CST			0	0	0	0	Hail
		Golfball size hail.							No damage reported.
Wyndmere (Richland County)	6	8:15 p CST			0	0	0	0	Hail
		Hail 1-3/4 inches in diameter.							No damage reported.
Mooreton (Richland County)	6	8:30 p CST			0	0	0	0	Hail
		Hail 1-3/4 inches in diameter.							No damage reported.
Fargo (Cass County)	7	3:00 p CST							Funnel
McLeod (Ransom County)	7	5:25 p CST			0	0	0	0	Hail
		Hail one inch in diameter.							No damage reported.
Wahpeton (Richland County)	7	7:19 p CST			0	0	0	0	Hail
		Hail one inch in diameter.							No damage reported.
Wyndmere Area (Richland County)	7	8:15 p CST			0	0	4	5	Hail
		Hail damaged roofs, windows, planes and crops.							
Bismarck (Burleigh County)	9	11:10 p CST			0	0	3	0	Hail
		Hail one inch in diameter							broke car windshields.
Absaraka (Cass County)	10	4:48 p CST							Funnel
Durbin 5S (Cass County)	10	5:39 p CST							Funnel
Grafton (Walsh County)	13	12:30 p CST							Funnel
Munich 6E (Cavalier County)	13	1:40 p CST							Funnel
Larimore 5W (Grand Forks County)	13	2:20 p CST							Funnel
Carrington 2N (Foster County)	15	11:00 p CST			0	0	4	0	Lightning
		A fire, started by lightning, damaged a house.							
Parshall (Mountrail County)	19	6:27 p CST			0	0	0	0	Hail
		Golfball size hail.							No damage reported.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1980

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	
NORTH DAKOTA (continued)											
Minot AFB (Ward County)	19	7:05 p CST			0	0	0	0	0	0	Hail
		Hail one inch in diameter.			No damage reported.						
Mohall (Renville County)	19	8:00 p CST			0	0	0	0	0	0	Hail
		Golfball size hail.			No damage reported.						
Lisbon (Ransom County)	20	Morning			0	0	4	0	0	0	Lightning
		Seven holstein cows were killed by lightning.									
Underwood Area (McLean County)	20	Morning									Heavy Rain
		Heavy rains caused flooding in a coal mine, flooded many acres of crops, and washed out sections of a road.									
McClusky (Sheridan County)	22	10:30 p CST			0	0	0	4	0	0	Hail
		Few large hailstones caused moderate crop damage.									
Tuttle (Kidder County)	23	12:30 a CST			0	0	0	4	0	0	Hail
		Hail caused moderate crop damage.									
Woodworth (Stutsman County)	23	12:32 a CST			0	0	5	0	0	0	Wind, Hail
		A severe storm with high winds and hail destroyed two barns and damaged crops.									
Mandan (Morton County)	23	1:25 a CST			0	0	0	0	0	0	Hail
		Hail 3/4 inch in diameter. No damage reported.									
Baldwin (Burleigh County)	23	1:37 a CST			0	0	5	0	0	0	Hail
		Hail one inch in diameter damaged roofs.									
Bismarck (Burleigh County)	23	2:25 a CST			0	0	0	0	0	0	Hail
		Hail one inch in diameter at the Airport. No damage reported.									
Fargo (Cass County)	23	2:39 a CST									Funnel
Argusville (Cass County)	23	3:15 a CST									Funnel
Bowman (Bowman County)	28	10:30 p CST			0	0	0	4	0	0	Hail
		Golfball size hail did moderate crop damage.									
Reeder (Adams County)	28	11:30 p CST			0	0	0	5	0	0	Hail
		Hail did severe crop damage.									
Elgin (Grant County)	29	12:45 a CST			0	0	0	5	0	0	Hail
		Hail did severe crop damage.									
New England (Hettinger County)	29	1:00 a CST			0	0	0	4	0	0	Hail
		Hail caused moderate crop damage.									
Napoleon (Logan County)	29	1:57 a CST			0	0	0	0	0	0	Hail
		Golfball size to baseball size hail. No damage reported.									
Moffit (Burleigh County)	29	2:00 a CST			0	0	0	5	0	0	Hail
		Hail caused moderate to severe crop damage.									
Alfred (LaMoure County)	29	2:00 a CST			0	0	0	4	0	0	Hail
		Hail caused moderate crop damage.									
Mandan (Morton County)	29	2:41 a CST			0	0	0	0	0	0	Hail, Wind
		Hail 3/4 inch in diameter and winds up to 63 mph. No damage reported.									
Bismarck (Burleigh County)	29	2:55 a CST			0	0	4	0	0	0	Wind
		High winds (up to 69 mph at Bismarck Airport) toppled a few trees.									
Mandan 25S (Morton County)	29	3:00 a CST			0	0	5	0	0	0	Wind
		High winds blew part of a roof off a barn, destroyed a small building, uprooted or broke 20 trees, and destroyed corral fencing and windbreaks.									
Jamestown (Stutsman County)	29	3:05 a CST			0	0	0	5	0	0	Hail
		Hail one inch in diameter damaged area crops.									
Sterling 8S (Burleigh County)	29	3:15 a CST			0	0	4	0	0	0	Hail
		Hail damaged sidings and roofs.									
Braddock (Emmons County)	29	3:15 a CST			0	0	5	4	0	0	Wind, Hail
		High winds destroyed a barn and small storage shed, damaged a house and garage. Several piglets were killed by flying debris. Several fields were damaged by hail.									
NORTH DAKOTA (continued)											
Dawson (Kidder County)	29	3:25 a CST			0	0	0	0	0	0	Hail
		Hail 1 to 1-1/2 inches in diameter. No damage reported.									
Menoken (Burleigh County)	29	Morning			0	0	0	3	0	0	Lightning
		A fire, started by lightning, burned 21 tons of hay.									
Steele (Kidder County)	29	3:30 a CST			0	0	5	0	0	0	Wind
		High winds downed power lines, collapsed a large barn and shop, blew a hog pen apart, and moved a steel grainery bin. One calf was injured by debris.									
Medina (Kidder County)	29	3:30 a CST			0	0	5	0	0	0	Wind
		High winds lifted the roof off a barn, and damaged several other roofs.									
Valley City (Barnes County)	29	4:00 a CST			0	0	4	5	0	0	Heavy Rain, Hail, Wind
		A severe storm, with golfball to tennis ball size hail and 65 mph winds, broke windshields, downed power lines and downed tree limbs, and damaged crops. Heavy rain flooded a newspaper press room with five feet of water.									
Hope-Hunter-Galesburg Area (Steele-Cass-Traill Counties)	29	5:00 a CST			0	0	4	0	0	0	Hail
		Large hail (as big as tennis balls) damaged metal buildings, car windshields and windows.									
Sheyenne (Eddy County)	29	5:00 a CST			0	0	4	0	0	0	Lightning
		A lightning bolt cracked a bedroom wall, broke concrete blocks in a basement foundation, burned drapes, blew out windows, and burned holes in water pipes.									
Harwood (Cass County)	29	6:10 a CST			0	0	0	0	0	0	Hail
		Hail one inch in diameter. No damage reported.									
Grandin (Cass County)	29	6:20 a CST			0	0	3	0	0	0	Wind
		High winds knocked down power lines.									
Fingal (Barnes County)	29	9:50 a CST			0	0	0	4	0	0	Hail
		Quarter size hail did moderate crop damage.									
OHIO											
All Times EST											
Defiance County	2	6:30AM			0	0	4	0	0	0	High Winds, Lightning
		A thunderstorm with 60 mph winds and frequent lightning strikes moved through the county. The storm damaged several buildings and downed trees and utility lines. Several lightning strikes started fires.									
Lorain, Cuyahoga and Summit Counties	2	7:30-9:30AM			3	5	6	0	0	0	High Wind, Lightning
		Heavy thunderstorms passed through these counties causing considerable wind damage. Winds in downtown Cleveland reached 80 mph overturning and damaging 8 planes at Burke Lakefront Airport. Also trees and lines were downed and several buildings sustained light to moderate damage. In Boston Heights, Summit County, a golf party of five was struck by lightning killing a 52-year old Cleveland man and injuring the other 4 golfers. Lightning strikes also started several fires. Two boaters of Cleveland Harbor were killed when their boat was smashed into the breakwall. Also a park employee in Cuyahoga Falls was struck and injured by lightning while talking on the phone.									
Richland and Ashland Counties	2	3:15-4:15PM			0	0	4	0	0	0	High Wind
		70 mph winds damaged buildings and downed trees as a thunderstorm passed through these counties.									
Stark County	2	5PM			0	0	4	0	0	0	High Winds
		A thunderstorm with 70 mph winds crossed the county, damaging several buildings and downing trees.									
Columbiana County	2	7:15PM			0	0	4	0	0	0	Lightning, High Wind
		A thunderstorm with 60 mph winds downed trees in the East Liverpool area. Also several lightning strikes started fires.									
Guernsey County	2	9PM			0	1	4	0	0	0	Lightning
		A thunderstorm with frequent lightning moved through the county with lightning strikes starting several fires. A 16-year old Oxford Township boy was struck and seriously injured by lightning.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OHIO (continued)									
Ashtabula County	3	945AM	-	-	0	2	4	0	High Wind, Heavy Rain
									A thunderstorm with 70 mph winds dumped about 3 1/2 inches of rain in the county. Most of the wind damage was confined to the North Kingsville area while street and basement flooding occurred in the Ashtabula area. Two people were slightly injured by flying debris.
Belmont County	3	5PM	-	-	0	3	4	0	Lightning
									A thunderstorm produced several lightning strikes which started fires. Also 3 golfers were struck and injured by lightning at the Chip-N-Pale golf course in East Richland.
Greene County	3	6-7PM	-	-	0	1	4	0	High Wind Lightning
									A thunderstorm with strong winds damaged the county fairgrounds and downed several trees. A woman was struck and injured by lightning at the fairgrounds.
Fairborn, Greene County	3	615PM	1	150	0	0	5	0	TORNADO
									A mini tornado touched down in south Fairborn damaging some houses and a furniture store. The storm then moved into Wright Patterson Air Force Base where it damaged 3 buildings.
Antrim, Guernsey County	4	555PM	-	-	0	0	4	0	Lightning
									Lightning struck and killed 10 cows on a hill during a thunderstorm. The lightning also struck a nearby oil storage tank starting a fire that caused \$10,000 damage.
Ashtabula County	5	325PM	-	-	0	0	4	0	High Winds
									A thunderstorm with 50 knot winds moved into the county off Lake Erie. The winds damaged some buildings and downed trees. The storm died quickly as it moved inland.
Thornville, Perry County	5	4PM	1	100	0	0	5	0	TORNADO
									A small tornado touched down in the city park destroying the pool house and several baseball diamonds. Eyewitnesses saw the funnel touch down briefly.
4N Pomeroy, Meigs County	5	5PM	-	-	0	0	4	0	High Wind
									A thunderstorm moved through the county with strong winds damaging buildings and downing trees. A mobile home was completely destroyed by the wind.
Trumbull County	8	115PM	-	-	1	0	3	0	Lightning
									A teenage boy was killed by lightning while driving a tractor in a rural area of the county.
Wayne and Stark Counties	10	110PM	-	-	0	0	4	0	C High Wind, Hail, Heavy Rain
									Thunderstorms with high winds, up to 2 inches of rain and hail crossed these counties. Hail stones were as large as 3 inches and winds damaged buildings and downed trees.
Carroll County	10	210PM	-	-	0	0	4	0	C Hail, Heavy Rain
									A thunderstorm with up to 2 inches of rain and 1 inch diameter hail crossed the county. The storm damaged crops and flooded drainage systems.
Tuscarawas County	10	3PM	-	-	1	25	3	0	Lightning
									Lightning struck a shelter area in Tuscora Park injuring 26 people of all ages. Seven people were hospitalized from their injuries.
Jefferson County	10	345PM	-	-	0	0	4	0	High Wind, Hail
									A thunderstorm with damaging winds and one inch diameter hail crossed the county. Hail damage was slight but the winds downed trees and damaged buildings, especially in the Steubenville area.
Harrison and Belmont Counties	10	430PM	-	-	0	0	3	0	Hail
									Three quarter inch diameter hail fell from a thunderstorm in these counties.
Licking County	10	6PM	-	-	0	1	3	0	Lightning
									Lightning struck and injured an 11 year old St. Louisville boy. He was holding a metal baseball bat at a ball field.
Guernsey, Monroe and Belmont Counties	10	6-8PM	-	-	1	?	6	0	C Heavy Rain
									Thunderstorms dumped 5 to 8 inches of rain on this county causing major flooding in the Cambridge and Quaker City areas. Flooding and mud slides also occurred in Monroe and Belmont counties. A 28 year old man died in the flooding when he apparently fell from a canoe.
OHIO (continued)									
Mt. Vernon, Union County	10	630PM	-	-	0	0	4	0	High Wind
									A thunderstorm with 60 mph winds downed trees and lines and damaged several buildings in the city.
Guernsey and Noble Counties	10	715PM	-	-	0	0	4	0	High Wind, Hail
									Thunderstorms produced one inch diameter hail and damaging winds. Several roofs were taken off and trees were downed.
Zanesville, Muskingum County	10	808PM	-	-	0	0	4	0	High Wind
									Winds measured at 74 mph hit the city during a thunderstorm. The wind took off roofs, blew out windows and downed trees and utility lines.
Belmont and Monroe Counties	10	830PM	-	-	0	0	3	0	C Hail
									One inch diameter hail fell in these counties as a thunderstorm passed. The hail did minor damage to crops in the area.
Holmes County	10	800PM	-	-	0	1	2	0	Lightning
									A 27 year old man was struck and injured while watching a thunderstorm.
Mercer County	10	9PM	-	-	0	0	4	0	C Heavy Rain, High Wind
									Winds were clocked at 62 mph in a thunderstorm as it crossed the county. The wind damaged buildings at the county fairgrounds and did significant damage to a nursing home in Woodsfield. Up to three inches of rain brought Sunfish Creek out of its banks flooding the city of Cameron.
Franklin, Licking and Muskingum Counties	11	310-415PM	-	-	0	0	5	0	High Wind
									Thunderstorms with high winds crossed these counties. Winds reached 60 to 70 mph and did considerable damage to several buildings.
Hiram, Portage County	11	4PM	-	-	0	1	4	0	High Wind
									A thunderstorm with strong winds damaged several buildings and downed trees and lines. A student at Hiram College was injured when a falling limb struck her.
Richland County	11	415PM	-	-	0	1	3	0	Lightning
									A 17 year old football player was struck and injured by lightning when Lexington High School was hit while he was entering the building.
Clark, Montgomery, Shelby, Logan, Greene and Champaign Counties	11	510-630PM	-	-	0	0	5	0	High Wind
									Thunderstorms with 60 to 70 mph winds passed through these counties damaging buildings and downing trees. Winds at the Dayton Airport were measured at 61 mph.
Columbiana County	18	Morning	-	-	0	2	6	0	C Heavy Rain
									Up to 5 inches of rain caused considerable flooding in the southern parts of the county, especially in the Salsineville area. Two people were injured when their car was stranded by an overflowing creek.
Wickliffe, Lake County	21	230PM	-	-	0	1	3	0	Lightning
									A lightning bolt struck the ground in the midst of the Wickliffe High football team as it headed indoors during practice. 40 players were knocked off their feet but only one boy was seriously injured.
Medina, Summit, Wayne and Holmes County	21	3-5PM	-	-	0	0	4	0	C Heavy Rain
									Thunderstorms dumped 2 to 3 inches of rain on these counties causing flooding of drainage systems.
Ashland County	21	4PM	-	-	0	0	4	0	High Winds
									A thunderstorm with damaging winds crossed the county. Most damage was confined to the northern part of the county. Several tents and trailers were overturned at Cinnamon Campgrounds.
4W Zanesville, Muskingum County	21	532PM	-	-	0	0	4	0	High Winds
									A thunderstorm with high winds did considerable damage along US Route 40 near I-70. Buildings were damaged and several trees downed.
Newark, Licking County	22	132PM	-	-	0	1	3	0	High Winds
									A thunderstorm with 60 mph winds damaged buildings and downed trees. A man was injured when a tree limb smashed through the windshield of his car.
Cuyahoga County	29	215PM	-	-	0	3	3	0	Lightning
									Lightning struck three members of the Richmond Hts. band as it rehearsed on the school's practice field. The lightning knocked down the entire band.
Huron, Lorain County	31	Morning	-	-	0	1	3	0	Lightning
									A 24 year old man was struck by lightning in his boat on Lake Erie off the mouth of the Huron River.

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					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA									
Near Nowata, Nowata County	3	Afternoon			0	0	4	0	Wind, lightning
					High winds estimated to 75 m.p.h. caused extensive to severe damage to two mobile homes near Nowata, blew down power lines and numerous trees, and severely damaged a number of farm buildings in the vicinity of Nowata. Lightning caused minor fire damage to a house and burned out an oil switch circuit breaker.				
Hardesty, Texas County	5	4:00 p.	1/2	100	0	0	4	0	Tornado
					An apparent tornado touched down briefly in Hardesty demolishing two mobile homes and extensively damaging a home and the high school. Greatest damage was in the southwest section of town. Numerous roofs, windows and power poles, also signs and many trees were damaged. Damages were estimated at \$200,000 to \$400,000.				
Northeast Texas County	5	4:40 p.	3 1/2	100	0	0	7	3	Tornado
					A tornado was seen on the ground approximately 3 miles northeast of Tyrone. It moved northward and was apparently associated with substantial damage to a trailer court about 3 miles south of Liberal, Kansas. In Oklahoma damage was mostly to crops.				
Lawton, Comanche County	17	3:25 p.			0	1	5	0	Wind, lightning
					Strong gusty winds and heavy rains were associated with a thunderstorm that moved across Comanche County. Peak gusts of 70 knots or 80 m.p.h. were recorded at the airport tower at 3:25 p.m. Three mobile homes were badly damaged by the high winds. Damage occurred to the speedway bleachers also. Total damages were estimated at \$55,000. Lightning caused additional damage to an electrical transformer.				
Bison, Garfield County	18	2:15 p.			1	0	0	0	Lightning
					A stillwater man was electrocuted, apparently by lightning, while working on an oil field site about 2 miles west of Bison.				
Washita and Kiowa Counties	20	5:00 p.			0	0	5	0	Wind, hail
					High winds caused considerable damage to a house about 2 miles west of Sentinel. Hail, driven by high winds, removed the finish from the log house. The same large thunderstorm damaged several barns in Hobart, destroyed camper shells and business signs. Many homes lost shingles and numerous power lines were severed due to felled tree limbs. The Hobart FAA Flight Service Station reported maximum gusts in excess of 75 m.p.h. Two trailers were destroyed south of Weatherford and some damage was reported also in Corn. Total damages probably exceeded \$50,000.				
Near Chelsea, Rogers County	20	6:00 p.			0	0	5	0	Wind
					High winds demolished a hangar, damaged severely a stored airplane and some of the facilities at the rodeo grounds in Chelsea. A mobile home was badly damaged, numerous trees uprooted and there was considerable roof, antenna and sign damage.				
Northwest Comanche County	20	6:00 p.			0	0	0	5	Lightning
					Lightning caused a grass fire that burned about 4000 acres of pasture land about 5 miles north of Meers in northwest Comanche County. Economic loss was estimated to be \$60,000.				
Craig County	20	Evening			0	1	5	0	Wind
					Strong winds caused destruction to two mobile homes and damaged two others in Welch, resulting in an estimated \$40,000 damage. Winds were estimated about 75 m.p.h. Many large trees were downed or damaged in the county. Damage occurred also to several businesses east of Vinita and north of Vinita due to winds.				
Ada, Pontotoc County	28	4:56 p.			0	2	5	0	Wind
					Extensive damage to a number of buildings in a 6-block area on Main Street and 12th Street in downtown Ada, probably caused by strong straight winds, resulted in damages totaling an estimated \$400,000. Many windows were shattered and power lines downed by the storm. The buildings badly damaged were generally old. Debris was blown from northwest to southeast.				
OREGON									
NO DATA RECEIVED									
PACIFIC									
NO DATA RECEIVED									
PENNSYLVANIA									
EASTERN									
SEE END OF TABLE									

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	
PENNSYLVANIA (continued)									
WESTERN									
Mercer and Forest Counties	2	Evening	?	?	0	1	4	0	Tornadoes
					Near Sheakleyville an unconfirmed tornado destroyed 2 mobile homes, killed chickens and 2 horses, uprooted trees, destroyed barns, and broke windows in homes. One person was injured, but not seriously. Another unconfirmed tornado, near Newmansville, tipped to pieces 3 trailers and a boat.				
Armstrong, Butler, and Clarion Counties	14-15	Night to morning			9	?	7	C	Heavy rain
					Nine people were drowned when heavy rain caused flash floods over the tri-county area. Bradys Bend and East Brady were hit the hardest. The total damage was estimated at \$42 million. Sections of roads were literally torn apart, houses flooded, some completely swept away, bridges washed away, and cars overturned. Several streams overflowed their banks. The area was declared a federal disaster area.				
Allegheny, Greene, Washington, and Westmoreland Counties	18	Early morning			0	0	4	?	Heavy rain
					Heavy rain from thunderstorms caused flash flooding in the four county area, especially in Bridgeville. The Monongahela River overflowed its banks at N. Charlestown and Elizabeth. Roads were inundated, many homes flooded, some washing away, and cars were overturned.				
PUERTO RICO									
Islandwide	4,5				0	0	7	C	Hurricane Allen
					Hurricane Allen passed 250 miles south of Puerto Rico during the night of the 4th as it moved toward the west-northwest through the Caribbean. Only light rain occurred over Puerto Rico and no flooding was reported. The most damage was caused by gusty winds and rough seas along the south coast. Wind damage was concentrated in the agricultural sectors of the island. Most of the banana and plantain crops were lost from the strong winds in Baranquitas, Corotal and Naranjito. Coffee crops received heavy damage in Maricao and Lajas. Other losses to minor crops were scattered throughout the island. In Guayama, three houses lost their roofs from gusty winds which according to some unofficial reports reached 60 mph. Along the southeast and southern coasts, high tides combined with rough seas, damaged some houses near the beach at Punta Santiago near Humacao as well as Playa de Ponce in the City of Ponce.				
Off Culebra Island	17	15:15 p.			0	0	0	0	Waterspout
Off Culebra Island	18	15:40 p.			0	0	0	0	Waterspout
RHODE ISLAND									
Rockville	2				0	4	0	0	Lightning
					13 Boy Scouts narrowly escaped death as a lightning bolt struck a nearby tree and shocked them. One sustained a cut, two had burns and the other severe numbness.				
SOUTH CAROLINA									
Statewide	8	1600-2030	-	-	-	-	5	4	Windstorm(s) and Localized Flash Flooding
					Numerous heavy thunderstorms developed over the state during the afternoon and early evening. Localized flash flooding developed in Lake City causing considerable damage to stores and businesses. Strong gusty winds in excess of 60 MPH destroyed a 64 ft. farm building near Neeses in Orangeburg County. Also numerous trees were downed causing extensive utility damage and many of the trees fell on homes and automobiles. The winds also destroyed neon signs and blew out windows of businesses and homes.				
Sampit Community near Georgetown,	11	11600	-	-	-	-	3	-	Lightning
					Three men standing near a dog pen with one leaning near a metal post were struck by lightning. All three were knocked unconscious, one of them only momentarily. The man who was closest to the metal post had the most serious burns. The charge zig-zagged the length of his body and emerged at his foot. The second most serious, the bolt ran down one arm and emerged at the knee. The quick thinking of the man who was only stunned is probably what enabled the other two men to be alive today. Mouth-to-mouth resuscitation was given and the timely call to the county emergency medical services office.				

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1980

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 CAROLINA (continued)									
Summary of statewide weather for the remainder of August. Normal summertime thunderstorm activity plagued the state. Sometimes the thunderstorms were heavy and produced high winds, small hail, and localized flash flooding. On 8/10/80 strong winds at the Pickens County Airport overturned a single engine Cessna that was chained down. The plane was damaged beyond repair. On 8/7/80 strong winds blew a large tree down on a house in Kingstree, also signs destroyed and windows blown out. On 8/14/80 winds blew the top off a trailer near Lake Hartwell and lightning struck a house in Anderson.									
SOUTH DAKOTA									
Groton, Brown County	3	817PM					?		Hail
One inch hail reported by local police.									
2 miles north of Harrisburg, Lincoln County	3	1045PM					?		Wind
Sioux Falls Airport, Minnehaha County	3	1047PM					?		Wind
Tea, Lincoln County	3	1042PM					3	?	Wind
The three above reports came from one storm. Winds ranged from 60-70 MPH. Some property damage reported.									
East Brookings County	7	515AM					?		Wind
50-70 MPH winds. No damage reported.									
Ellsworth AFB, Pennington County	9	420 PM MDT					?		Hail
One inch hail.									
Newell, Butte County	9	6-730PM MDT					4	?	Hail, Wind
Long hail swath from Newell northeast to southwest Perkins County. Golfball sized hail and strong winds. Killed a few sheep and did some property damage.									
Roscoe, Edmunds County	12	515PM					?		Hail
Golfball sized hail									
15-20 miles SW of Aberdeen, Brown County	12	5-6PM					4		Hail
Golfball sized hail. Extensive damage to crops. Estimated \$50,000.									
1 mile south of Chelsea Spink County	12	620PM					?		Hail
Golfball sized hail.									
Mellette, northern Spink County	12	632PM					?		Wind, Hail
Three-quarters inch hail with strong gusty winds.									
7 miles west of Columbia, Brown County	12	645PM					4		Hail
Golfball sized hail. Crop damage estimated at \$50,000.									
Near Tulare, Spink Co.	12	750PM							Hail
Baseball sized hail. No damage reported.									
5N, Huron, Beadle Co.	12	9PM							Hail
Golfball sized hail.									
Manchester, Kingsbury County	12	941PM					?		Hail
Golfball sized hail.									
Oldham, Kingsbury Co.	12	10PM					?		Hail
Golfball sized hail.									
Esmond, Kingsbury Co.	12	1010PM					?		Hail
Golfball sized hail.									
Sioux Falls Airport, Minnehaha Co.	12	1050PM					3		Wind
63 MPH winds flipped an aircraft.									
Kennebec, Lyman Co.	13	207AM							Wind
60 MPH winds. No damage reported.									
SOUTH DAKOTA (continued)									
Chamberlain, AMOS Brule County	13	240AM							Wind
56 MPH winds									
Mitchell, Davison Co.	13	408AM							Wind
50 MPH winds.									
Elk Point, Union Co.	16	1120PM						5	Winds
60 MPH winds. Several buildings damaged.									
10W, Redfield, Spink County	18	E630PM							Funnel Cloud
Funnel cloud and marble sized hail.									
Wolsey, Beadle County	18	805PM							Hail
Three-quarters inch hail.									
Aurora, Brookings Co.	18	850PM							Wind
Winds estimated over 50 MPH.									
Mitchell, Davison Co.	18	925PM							Wind
77 MPH winds and marble sized hail.									
Joe Foss Field Minnehaha County	18	1050PM						3	Wind
58 MPH winds. Minor tree damage in Sioux Falls.									
10N, Presho, Lyman County	20	105AM							Wind
50 MPH winds.									
Chamberlain AMOS Brule County	20	127AM							Winds
71 MPH winds.									
Ipswich, Edmunds Co.	20	E240AM						5	?
60 MPH winds. Damage to trees, some houses and crops.									
Aberdeen Airport, Brown County	20	314AM							Winds
58 MPH winds.									
7S, Aberdeen, Brown County	20	E326AM						4	Tornado
Mini tornado, 100 yards long and 100 feet wide. Damage to farmstead.									
4S, Centerville in Clay County in vicinity of Alcester in Union County	25	6-630PM							Hail, Winds
One half mile wide and 27 miles long. Extensive hail and wind damage to property. A few hogs were killed. Crop loss near \$1,000,000. Property losses \$50,000 to \$100,000. Hail to baseball size and 85MPH winds. Storm had very low cloud base.									
TENNESSEE									
Oak Ridge, Anderson County	1	?						1	Lightning
A 14-year-old girl was killed by lightning shortly after swimming at the Clark Center Park. She was walking by a cluster of trees enroute to a parking lot when the lightning apparently struck the trees killing the girl.									
Louisville-Friendsville Area, Blount County	1	Aftn.						4	Lightning
Lightning struck an old home causing a fire which destroyed the house. Lightning apparently struck the house four times in close succession.									
White County	4	?						7	Hail
Three-quarter to one-inch hail damaged crops in White County.									
Around Cleveland, Bradley County	11	Aftn.						4	Lightning
Lightning was responsible for starting three fires in Bradley County, one in a barn, one in a house, and one in a grass field.									
Lafollette, Campbell County	11	1 p.						3	Lightning
Five calves and two cows, all registered Black Angus, were killed by lightning as they stood under some trees.									
McMinnaville, Warren County	31	Aftn.						5	3
Lightning struck a tree during a horse show killing a horse standing close-by and injuring the rider and three others. A fifth person was injured while using the telephone when the lightning struck.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1980

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					KILLED	INJURED	PROPERTY	CROPS	
TEXAS									
NORTHERN									
Marshall, Harrison County	5	Afternoon			0	0	5	0	Windstorm
			Straight-line winds from a severe thunderstorm uprooted two businesses in Marshall. Numerous trees, signs, and powerlines were also damaged or destroyed by the winds. Very heavy rain and small hail accompanied the severe storm.						
Timpson, Shelby County	12	3:00 p	1	25	0	1	4	0	Tornado
			Hugh and Judy Edwards witnessed the tornado, describing it as a dark funnel with a sand-colored debris cloud below it. The small tornado wrecked the Edwards' barn, injuring Mr. Edwards in the process. Several other witnesses said that little or no rainfall accompanied the northward-moving tornado.						
Lake Waco, McLennan County	17	1:30 p			1	0	0	0	Windstorm
			A 13-year old Waco boy drowned in Lake Waco when he was inundated by a sudden thunderstorm-induced wind gust. The boy was attempting to rescue his 6-year old brother.						
Coleman area, Coleman County	22	Afternoon			0	0	?	?	Windstorm
			Newspaper reports indicate that thunderstorm winds toppled trees and caused minor damage to several residences in and around Coleman.						
Glen Rose, Somerville County	22	Afternoon			0	0	3	0	Dust Devil
			A dust devil, occurring from virtually cloudless skies, overturned and destroyed a large metal storage building and its contents near Glen Rose.						
Crockett, Houston County	22	5:40 p	2	50	0	0	4	0	Tornado
			A small tornado moved from northeast to southwest across the southeast side of Crockett. The tornado uprooted large trees in Davy Crockett Park and unroofed the American Legion Building in the same area. An eye witness stated that the funnel was bouncing up and down "like a basketball" and that it "sounded like a freight train". The tornado also produced minor damage in the Driskell Addition of Crockett.						
Possum Kingdom Lake Area, Palo Pinto County	23	4:30 p	4	75	0	0	5	0	Tornado
			A tornado struck the Pat and Uncle Herman's Camp area on the northeast side of Possum Kingdom Lake, heavily damaging one home, three mobile homes, and a barn. The roof and one wall of the frame house were destroyed. Most of the damage to the mobile homes came from flying debris. The tornado which moved from northeast to southwest, apparently lifted over the lake before touching down again and toppling three telephone poles on the south side of the lake. Total damage from the tornado was estimated to be \$100,000. The twister was accompanied by light rain and hail.						
Cameron, Milam County	23	Evening			0	0	?	?	Windstorm
			Trees and powerlines on the north side of Cameron were knocked down by strong thunderstorm winds.						
Marlin area, Falls County	23	Evening			0	0	4	0	Windstorm
			Strong thunderstorm winds damaged the insulation and roofing material of a shopping center under construction in Marlin. Scattered trees were also felled by the winds.						
Southwestern Wise County	23	Evening			0	0	3	0	Windstorm
			Thunderstorm winds caused minor damage to several residences along Farm Road 920 in Southwestern Wise County.						
Titus County	27	1:30 p			0	0	4	0	Wind and Hailstorm
			Trees were uprooted, powerlines downed, and signs damaged by thunderstorm winds in the Mt. Pleasant area, and the Chapel Hill and Union Hill areas of eastern Titus County. Several milk barns were destroyed at Cookville and small hail damaged air conditioner condensers and metal buildings in Mt. Pleasant. Lightning set at least 4 grass fires.						
Nacogdoches, Wood, and Rains County	27	Afternoon & Evening			0	0	?	?	Severe Thunderstorms
			Strong thunderstorm winds caused scattered, mostly minor damage to trees, signs, and powerlines in these counties.						
Clay, Jack, and Throckmorton Counties	27	Evening			0	0	0	?	Lightning
			Lightning started numerous grass fires in these three counties, with thousands of acres of grazing land being burned.						
1 South Weatherford, Parker County	28	1:00 p			0	0	?	?	Windstorm
			A localized down burst of winds uprooted trees and damaged several barns and outbuildings 1 mile south of Weatherford.						

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					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
NORTHERN									
Cleburne and Joshua areas, Johnson County	28	1:00 p - 3:00 p			0	0	4	0	Windstorm, Hailstorm, and Lightning
			Thunderstorm winds caused minor fence, sign, and tree damage in the Cleburne, Joshua, and Alvarado areas. Three-quarter inch hail occurred at Alvarado and a lightning-bet fire burned a farm home to the ground west of Cleburne.						
Wilmer-Hutchins, Dallas County	28	1:10 p			0	0	?	?	Windstorm
			Thunderstorm winds toppled trees and caused minor damage in Wilmer and Hutchins.						
Mt. Pleasant, Titus County	28	6:30 p			0	0	4	0	Lightning
			The Ripley Baptist Church received smoke and water damage after it was set fire by lightning. The lightning strike destroyed the steeple.						
S of Grand Saline, Wood County	29	2:00 p			0	0	4	0	Windstorm
			Scattered wind damage to trees, outbuildings, and an elevated diesel tank occurred several miles south of Grand Saline as a thunderstorm moved across the area.						
6.5 N of Marshall, Harrison County	29	2:30 p			0	0	4	0	Windstorm
			Thunderstorm winds uprooted trees and damaged barns and outbuildings in the Macedonia Road area. The wind damage occurred during a heavy rain storm.						
TEXAS SOUTHERN									
NO DATA RECEIVED									
TEXAS WESTERN									
Lubbock County	3	9:35p			0	0	5	5	Hail, Windstorm
			A strong thunderstorm developed about 4 p.m. in Northwestern Bailey County, of the South Plains and began moving toward the east-southeast at 15 mph. The leading edge of the very large storm entered the western portions of Hale and Lubbock Counties about 8 p.m. Marble-sized hail was reported briefly in Shallowater about 8:30 p.m. Little damage occurred. Just after 9 p.m. power went out in the north and western portions of the City of Lubbock as very strong straight-line winds from the storm knocked down several utility poles. As the storm continued eastward, power lines and utility poles sustained damage in the downtown area and winds estimated at 75 mph broke windows in cars and numerous reports were received of fences damaged, trees uprooted, and buildings damaged by a combination of wind and rain. The worst damage was sustained in an area bounded by Fourth Street, Thirty-fourth Street, University Avenue and Avenue A. As the storm continued moving to the east, it produced marble-sized hail that, with the strong winds, destroyed nearly 2,000 acres of cotton in a two mile wide strip just southeast of Dalou.						
O. C. Fisher Reservoir, Tom Green County	17	1:30a			0	0	5	4	Flash Flood, Windstorm
			Two young men, camping near Dry Creek Park at O. C. Fisher Reservoir, were awakened at 2 a.m. by flooding water in their camp area. Heavy rains estimated at 5 to 7 inches fell during the night and early morning over the North Concho River watershed. By early morning the river was out of its banks, having risen nearly 15 feet. The youths tried to save their equipment but were nearly swept away as the crest of the water hit them. Their pickup was carried over a half mile downstream. They were unable to swim in the water due to its speed, and continued to grasp at weeds and brush, pulling themselves to safety after considerable time. They were nearly trapped again as the water began pouring out of a parallel draw into the river. Again, they pulled themselves to safety. After walking nearly a mile they were rescued.						
			In the San Angelo area over 2 inches of rain fell from storms that produced downrush winds estimated at up to 60 mph. The winds and rain broke windows, disrupted electric power and caused minor damage to homes.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
TEXAS (continued)											
WESTERN											
Moore County	21	5:00p			0	0	5	5			Hailstorm, Flood
<p>As a cold front made its way from the northeastern portion of the Panhandle southward, a strong thunderstorm developed in Central Dallam County. About 5 p.m. the storm entered North-western Moore County. As it moved southeastward, it produced hail up to marble size in an east-west aligned strip between one and two miles wide from three miles north of Dumas to approximately eight miles northeast of Dumas. The path lay alongside Highway 119. The hail continued to fall for almost an hour in the strip and covered the ground with a sheet of ice nearly 2 inches thick. Three to four inch rains were also reported in the hail strip. Additional damage was reported to the golf course of the North Plains Country Club as water in Palo Duro Creek spilled across Highway 119 into the golf course area. The water receded shortly afterward. Water was also reported across Highway 287 for a brief period.</p>											
Friendship, Dawson County	31	4:50p			0	0	0	5			Hailstorm
<p>Thunderstorms developed along a cold front as it moved south-eastward across the Texas South Plains and Permian Basin. Two very strong storms developed in Central Gaines County shortly after 3:30 p.m. and continued moving toward the east-southeast. Just before 5 p.m. the storms began producing hail that fell in a strip between two and three miles wide and four miles long just north and west of Friendship. Cotton bolls were knocked off the plants and the leaves stripped off most plants. Over 4,000 acres of cotton were virtually destroyed.</p>											
Crosbyton, Crosby County	31	6:00p			0	0	5	5			Hail, Windstorm
<p>A thunderstorm formed along the same cold front just mentioned and moved into Crosby County. Hail began falling just after 6 p.m. from near Owens to three miles south of Crosbyton in a path two to three miles wide. Between 2 and 3 inches of rain fell across the same area. Extensive damage was reported to cotton crops by the marble-sized hail; with most of the crops totally destroyed. At the Crosbyton Airport a light aircraft was hit by strong downrush winds from the storm and pushed across the flightline into a field and overturned. Damage to the aircraft was light.</p>											
UTAH											
CACHE COUNTY	18				0	0	0	5			Hail
<p>A strong thunderstorm with gusty winds, heavy rain and associated hail moved across the Cache Junction area between 1:30 - 2:00 P.M. MDT. Two funnel clouds were sighted in the area.</p> <p>Damage to wheat and alfalfa seed crops was estimated at \$30,000.</p>											
RICH COUNTY	18				0	0	0	0			Hail
<p>Heavy rain and hail accompanied a thunderstorm in the Garden City area around 8:00 P.M. MDT.</p> <p>Damage to crops in the area was estimated at \$20,000.</p>											
RICH COUNTY	26				1	0	0	0			Lightning
<p>Lightning struck and killed a telephone worker 2 miles north of Woodruff.</p>											
VERMONT											
RUTLAND & BENNINGTON COUNTIES											
	5	6:20P-10:30P			1	1	4	0			LIGHTNING
<p>ONE MAN WAS KILLED AND ANOTHER INJURED IN BENNINGTON COUNTY NEAR THE TOWN OF MANCHESTER WHEN LIGHTNING STRUCK THEM WHILE THEY WERE STANDING UNDER A TREE WAITING FOR THE RAIN TO STOP.</p> <p>TWO DOGS WERE KILLED IN RUTLAND COUNTY WHEN LIGHTNING STRUCK A TRANSMISSION POLE WHERE THEY WERE TIED. SCATTERED POWER OUTAGES WERE ALSO REPORTED DUE TO LIGHTNING STRIKES ON TRANSMISSION LINES.</p>											
VIRGINIA											
Scott County	1	12 Noon			0	0	0	5			Hail
<p>Hail with stones up to the size of ice cubes devastated crops in the Big Moccasin area. Approximately 150 acres of mainly tobacco and tomatoes were destroyed in the 45 minute storm. Loss estimated at around \$400,000.</p>											

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VIRGINIA (continued)											
Northern	1	1200 p-3:00 p			0	2	4	0			Wind, Lightning
<p>Thunderstorm winds gusted to 60 mph in Arlington, with two workmen injured when the ladder they were on was blown into power lines. In the Dayton area, Rockingham County, the roof was torn off a turkey house. The loss amounting to several thousand dollars. At Dulles Airport the wind peeled the metal roof of a cargo warehouse. Power outages were widespread over the area. Some lasting up to three hours. Total damage estimated at around \$10,000.</p>											
Page County	3	1:00 p			0	0	4	0			Wind
<p>Several buildings on farms in the Grove Hill area damaged by wind during a severe thunderstorm. Damage estimated at near \$15,000.</p>											
Gloucester County	4	Afternoon			0	0	3	0			Wind
<p>Thunderstorm winds blew a large tree onto a home, damaging the porch to the amount of around \$2,000.</p>											
Rockingham County	8	4:00 p			0	0	4	0			Lightning, Wind
<p>A localized but violent thunderstorm struck in the Harrisonburg area. A 40- by 60-foot barn filled with hay was destroyed by a fire caused by lightning. In addition, trees were blown down. Loss estimated at around \$25,000.</p>											
Page County	9	6:30 p			0	0	4	0			Lightning
<p>During a severe thunderstorm in Luray, lightning struck an open field and killed three horses - one a valuable quarter horse.</p>											
Woodville, Rappahannock County	10	Evening			0	0	4	0			Lightning
<p>Barn consumed by flames after a lightning strike. Loss estimated around \$10,000.</p>											
Northern	11	4:00 p			0	0	5	0			Wind, Rain, Lightning
<p>Severe thunderstorm activity caused much wind-related damage. Roofs were torn off two barns in Harrisonburg and wind destroyed two chicken houses in the vicinity. A major house fire was reported in Front Royal when lightning struck an FM antenna and entered the attic area. Up to four-hour power outages occurred throughout the region.</p>											
Tidewater Area	15	Afternoon-Evening			0	0	5	0			Wind, Rain, Lightning
<p>Series of thunderstorms dropped nearly 6 inches of rain in some sections. Localized wind gusts of up to 70 mph reported, with some \$300,000 damage done when a large warehouse was blown down in the Berkley area of Norfolk. Many streets in the Hampton-Norfolk area were flooded, while power outages affected some 60,000 homes for up to four hours.</p>											
Southwest Portion	20	Evening			0	0	4	0			Rain, Wind
<p>Wind caused power loss in the Richland area, Tidewell County. In St. Paul, Wise County, some street flooding occurred and wind blew tree limbs onto streets and caused minor damage to buildings. In the Sandy Ridge community, about 3 miles NE of Coeburn, a very localized storm struck shortly after 4PM causing wind and water damage to several homes, with uprooted trees also damaging at least two vehicles. Total damage estimated at near \$10,000 from wind; \$2,000 from rain.</p>											
VIRGIN ISLANDS											
North of St. Croix	6	19:00 p			0	0	0	0			Waterspout
12 mi. NW St. Croix	19	16:50 p			0	0	0	0			Waterspout
WASHINGTON											
Stevens County	14	12:30PM			0	0	5	0			Tornado
<p>A tornado touched down for a few minutes in the town of Arden, about 60 miles north of Spokane. A Washington State Patrolman said the tornado struck only a church, causing considerable damage.</p>											
Thurston, Pierce, Mason, Kitsap, King, Jefferson, Snohomish Counties	17						5	0			Wind & Lightning
<p>An unseasonable Pacific frontal system produced gusty winds up to 30 MPH and a few thundershowers. The strong winds and lightning caused numerous power outages, capsized many boats, and started several electrical fires. One Seattle cleaner's business was heavily damaged by fire as the blustery winds caused an electrical short in the building. Also, one pleasure boat sank in heavy winds near Point No Point in northern Puget Sound. Heavy amounts of rain accompanied the thundershowers with the heaviest amounts reported at Stampede Pass (2.25 inches) and Portage Bay near downtown Seattle (1.05 inches).</p>											

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WEST VIRGINIA									
Statewide	1	morning			0	0	3	0	Thunderstorms
	A line of strong thunderstorms roared across the state accompanied by heavy downpours, strong winds and small hail. Several trees uprooted, especially over northern sections of the state, with numerous power outages. There were a few reports of urban and poor drainage flooding.								
Hancock county	4	400pm			0	0	3	0	Lightning
	Lightning struck four houses in Weirton as strong thunderstorms crossed the Northern Panhandle. None sustained any major damage.								
Taylor county	8	eve.			0	6	0	0	Lightning
	Six persons received minor injuries after bleachers and a wire fence were struck by lightning at the Taylor County Fair.								
Randolph county	9	300pm			0	0	4	0	Lightning
	Lightning struck and the resulting fire damaged a home west of Mill Creek.								
Harrison county	9	430 to 700pm			2	5	6	5	Flash Flooding
	Thunderstorms dumped 3 to 3.5 inches in about one hour over southern Harrison county causing severe flash flooding. Most damage was along Lost Creek with major damage in the town of Lost Creek. Flooding also occurred at Rockford, Rider, West Milford, Mount Clare and McWhorter. Between 250 and 300 people were evacuated from the flood area.								
	Two men, ages 79 and 81, died in Lost Creek where the water was 6 to 10 feet in the business district and low lying sections of town. Mobile homes, two story houses and automobiles were swept away by the tremendous current.								
	There was a total of 218 houses affected throughout the flooded area, of which 49 were destroyed, 43 suffered major damage and 126 had minor damage. At least 70 automobiles were damaged or destroyed. Total damage estimated at \$4.5 million. Flash flooding, although not as severe, occurred in this same area on May 11, 1979.								
Randolph county	9	520pm			0	0	0	0	Funnel Cloud
	Funnel cloud reported by public near Maile and spotted a few minutes later at Beverly.								
Wood county	11	eve.			0	2	0	0	Lightning
	A young man and woman were seriously injured after a lightning strike while they were standing under a tree. The incident occurred at the Ninibel Golf Course in Vienna. The woman was knocked unconscious and suffered a heart attack. The man was thrown 20 feet and received a concussion. Another man, standing between the two when the lightning struck, was unharmed.								
Mercer county	11	eve.			0	12	0	0	Lightning
	Twelve people were injured, eight of them serious enough to require hospitalization, when lightning struck a prayer service near Bluefield. About 200 youths were singing in two tents at Glenwood Park when the lightning bolts hit.								
Northern Northern	11	eve.			0	0	4	0	High Winds
	Heavy thunderstorms rocked northern counties during the late afternoon and evening. Strong winds uprooted numerous trees, caused minor house damage and resulted in widespread power outages. Heavy downpours also caused urban and poor drainage flooding. A few streams briefly overflowed. Hardest hit were the cities of Wheeling and Cameron in the Northern Panhandle.								
Harrison county	11	533pm			0	0	0	0	Funnel Cloud
	Funnel cloud reported by city police at Lumberport.								
WEST VIRGINIA (continued)									
Statewide	18				0	1	7	4	Flash Flooding
	Flash flooding hit many sections of West Virginia at various times during the day as heavy thunderstorms repeatedly pounded the already soaked state. Flooding first occurred before dawn in the Northern Panhandle counties of Hancock, Brooke, Ohio and Marshall. In the Marshall county town of Cameron, 25 homes were evacuated and every business in the community was flooded. Mud slides blocked roads. 50 families moved to higher ground along Kings Creek in Hancock county. At Valley Grove, Ohio county, 100 people were evacuated along Big Wheeling Creek.								
	Flooding started just after sunrise in Monongalia, Taylor, Marion and Preston counties. Flooding reported in Marion county along Paw Paw Creek from Fairview through Grant Town to Rivesville. Heavy damage in the Morgantown area. A police officer at Osage sustained a fractured leg when struck by a huge floating log. About 200 people evacuated at Osage and Jere with at least 25 homes severely damaged.								
	Severe flooding hit southern Jackson and northern Kanawha counties between 4 and 6pm. Hardest hit was the Goldtown area of Jackson county where several houses were swept off foundations. A few trailers were washed away in northern Kanawha county with flooding on Allen Fork, Right Hand and Grapevine Creeks.								
	Between 430 and 700pm three inches of rain fell at Belva causing flash flooding over southern Nicholas and northern Fayette counties. Bell Creek overflowed flooding the entire town of Dixie.								
Western two-thirds	21				0	0	7	4	Flash Flooding
	Strong thunderstorms with torrential downpours hit saturated West Virginia for the fourth straight day causing widespread and severe flash flooding. Webster county was hit with flooding on several small streams from 4 to 7am. A mudslide and floodwaters hit the Webster County Memorial Hospital where 30 patients were evacuated, some sent home and others transferred to nearby hospitals. Webster Springs recorded 3.65 inches of rain during the night giving a 3 day total of 8.5 inches.								
	Between 5 and 10am severe flooding occurred in Kanawha, Putnam and Jackson counties. Several of these areas were still blanking up from massive flooding on the 18th. Hardest hit were Goldtown and Kenna in Jackson county. The new home of a Goldtown resident was carried more than a mile by floodwaters until it wedged between a bridge and hillside along with a car and the smashed remains of two mobile homes. When the waters subsided the house was resting right in the middle of a main highway. At Kenna a television store, a house and two mobile homes were washed nearly a half mile down the creek by a wall of water that residents said seemed to appear from nowhere. In southern Jackson county 32 mobile homes and 17 houses were destroyed. Between 300 and 400 people forced to evacuate in the Kanawha... Jackson county area.								
	Flooding in Raleigh county from 8 to 11 am. Several streams overflowing and blocking roads. Flooding at Lester and two feet of water in streets and stores in Sophia.								
	During the evening, Flash Flood Warnings were again issued for Jackson and Kanawha counties although damage was minor compared to that of earlier in the day. Minor flooding also occurred in Roane, Putnam and Mingo counties.								
	Amazingly, there were no deaths or serious injuries. Seventeen counties were declared federal disaster areas from the flooding. The following figures cover flooding from the period August 18 to 21... \$22.1 million damage to 18 counties. 1770 homes damaged-310 families left homeless. 1239 homes suffered minor damage, 442 major damage and 88 homes destroyed. 140 mobile homes and 69 vehicles damaged or destroyed.								
Central counties	21	eve.			0	0	2	0	Thunderstorm Winds
	Heavy thunderstorms rumbled west to east across central West Virginia with uprooted trees and widespread power outages. Winds gusted to 61 mph at Charleston at 830pm.								
WISCONSIN									
NO DATA RECEIVED									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1980

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	
WYOMING									
Fremont County		3 Afternoon	?	?	0	0	5	0	Tornado
		A "small twister" caused extensive damage to 18 new campers on a sales lot in Shoshoni, along with other minor damages.							
Laramie County		5 4:00 p.							Funnel cloud
		The public reported a funnel cloud a few miles northeast of Burns.							
Sweetwater and Carbon Counties		8 Evening			0	0	0	0	Thunderstorm, wind, hail
		A very strong thunderstorm developed early in evening northeast of Rock Springs and proceeded to move east northeast to east of Seminoe and Pathfinder Reservoirs by 7:30 p.m. The sheriff at Baird estimated winds at 50 mph with hail of 3/4 inch diameter. No damages were reported.							
Laramie County		9 2:18 p.			0	0	0	0	Hail
		Hail up to 1 inch in diameter was reported at Burns, while hail up to 3/4 inch was reported elsewhere in Laramie County. Hail accumulation on U.S. 85 north of Cheyenne temporarily closed both lanes of that road. No damages were reported.							
Sweetwater County		15 1:00 p.							Two funnel clouds
		A pilot enroute from Rock Springs to Casper reported sighting two funnel clouds, about 30-35 miles east of Rock Springs.							
Fremont County		27 3:00 p.			0	0	0	3	Winds
		Winds gusting to over 50 mph scattered windrowed hay and beans in the Riverton area, causing some loss of beans.							
Natrona County		30 5:15 p.							Funnel cloud
		A funnel cloud was observed over Casper Mountain, south of Casper.							
Laramie County		30 7:25 p.			0	0	0	0	Wind
		A peak gust of 70 mph occurred at Cheyenne. No wind damage was reported.							
PENNSYLVANIA									
EASTERN									
Northern Third Eastern Penna.		2 2 PM to 3 1 AM EDT			0	4	5	0	Wind, Electrical Heavy Rain
		Thunderstorm wind gusts brought down many trees and tree limbs, bringing down utility lines and hitting houses and automobiles. Trees were both uprooted and broken off. The wind gusts also damaged roofs, overturned house trailers and blew about and damaged other objects such as lawn furniture. At one carnival site, a man was injured by a tent pole which was snapped by the wind; two men were slightly injured by lightning. One boy was also injured by lightning at another location. Lightning strikes damaged trees, houses and utility poles and lines as well as starting a few fires. Heavy rains resulted in some minor damage to road surfaces.							
Southeastern Penna.		5 2 PM to 6 1 AM EDT			0	2	4	0	Heavy Rain Electrical, Wind
		A number of thunderstorms rolled east from northern Lancaster County across Berks, northern Chester, Montgomery, Bucks and Philadelphia Counties. Wind gusts and lightning brought down trees and limbs and utility lines. Downed lines and interruptions caused by lightning strikes affected 94,000 electric customers. Lightning also struck a number of buildings causing damage and also a few minor fires. Two men were injured by lightning strikes. Heavy downpours caused considerable roadway flooding and some stream flooding. The flood water entered several buildings and quite a few automobiles. Hail was also reported in quite a few locations.							
Manchester Township, York County		8 7 PM EDT			0	2	4	0	Wind
		Wind gusts collapsed a house under construction as 5 people were taking refuge from the storm. One man received a minor injury, but a woman who was trapped in the rubble received more serious injuries. Winds of 70 miles per hour were recorded at York.							
PENNSYLVANIA (continued)									
EASTERN									
Perry, Cumberland, Adams Counties		10 7 PM to 9 PM EDT			0	0	5	0	Wind, Heavy Rain, Electrical
		Strong wind gusts brought down trees, limbs and utility lines. The wind also demolished a barn and tipped over a house trailer onto a truck near New Oxford, Adams County. Heavy rainfall caused considerable roadway flooding. Lightning strikes caused power outages and also set a barn on fire, destroying the barn and 50 tons of hay and straw.							
Franklin, Adams, York, Lancaster Counties		11 5:30 PM to 8:30 PM EDT			0	0	4	0	Wind, Electrical
		Lightning strikes and wind gusts brought down trees, limbs and utility lines. The steeple was blown off one church. Wind gusts of 65 MPH were reported in the Gettysburg-Anover area.							
Montour, Columbia, Luzerne Counties		11 7:30 PM to 10:30 PM EDT			0	0	4	0	Wind, Electrical, Heavy Rain
		Lightning strikes and wind gusts brought down trees, limbs and utility lines. One pop-up camper was flipped over and badly damaged by the wind gusts. Lightning strikes caused a few minor fires and damaged electrical systems. Heavy rains caused some roadway flooding, especially in the Hazleton area.							
York and Lycoming Counties		30 2 PM to 3 5 AM EDT			0	0	4	0	Electrical
		Thunderstorms moving across eastern Pennsylvania caused only scattered damage. However, a lightning strike near Stewartstown, York County, caused a fire that destroyed a barn and in Nippenose Township, Lycoming County, lightning ignited a forest fire.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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	

THE FOLLOWING ARE LATE REPORTS, CORRECTIONS, AND DELETIONS:

LATE REPORTS										
PENNSYLVANIA										
EASTERN										
Eastern Pennsylvania	5	6 PM to 9 PM EDT	JULY 1980			0	5	4	0	Wind, Heavy Rain
Thunderstorms caused scattered damage across Eastern Pennsylvania. In Pine Township, Lycoming County, two house trailers were rolled over by the wind. One trailer was completely destroyed and 5 of 7 people in the other received injuries. In Carbon and Schuylkill Counties and the Pocomos the winds caused power outages. In Lehigh heavy rains washed out some roadway and sidewalk surfaces. In the Bucks-Montgomery County area wind gusts caused power outages, damaged trees and blew away a lawn shed.										
Eastern Pennsylvania	11	5 PM to 12 AM EDT				0	0	5	3	Wind, Hail, Heavy Rain, Electrical
Thunderstorms hit from Berks to Northampton Counties and northward through the northeast part of the state. Power outages resulted from lightning strikes and also from lines downed by wind gusts and falling trees. Besides downing trees the wind gusts brought down signs and at least one barn. Other buildings also received damage. Lightning caused fires, destroyed a barn and destroyed snow mobiles and tractors in a dealer's storage area. Heavy rain resulted in roadway flooding in a few areas. Large hailstones up to golf-ball size fell in some locations from Bloomsburg, to Shamokin to Scranton and the Pocomos causing some crop damage.										
Eastern Pennsylvania	16	3 PM to 6 PM EDT				0	24	6	3	Wind, Electrical, Heavy Rain, Hail
Severe thunderstorms moved rapidly across Eastern Pennsylvania. Although at least scattered damage occurred in all sections, the area from Lock Haven east through the Pocomos and southeast through York and Philadelphia areas had more widespread damage. Literally thousands of trees were damaged, either uprooted or broken off or limbs or large portions torn off. The trees and limbs fell on automobiles, houses and other buildings. Some huge trees caused extensive damage to houses when they fell. The falling trees and limbs brought down many utility lines and poles. Lightning combined with the wind gusts and falling trees brought power outages to about one-half million customers. Thousands also had telephone service interrupted. The high wind gusts caused widespread damage to houses and other buildings. There were quite a few houses, barns, and other buildings that had their entire roof blown off. Many others had portions of their roof or other parts ripped off. Several barns and other farm buildings were completely collapsed with some livestock lost. A number of mobile homes were rolled over by the wind with at least two of them completely demolished. The injuries were mostly the result of flying debris: glass from blown out windows, portions of buildings or roofs, falling or blowing limbs or trees. Some injuries occurred in the demolished mobile homes. The highest reported wind gusts were 102 MPH at Bensalem Township, Bucks County; 85 MPH at York, 70 MPH at Millersville State College, Lancaster County and at Philadelphia.										
Along with injuries to one person, lightning caused fires in several houses and several barns. At least two barns were destroyed by fires. Heavy downpours caused up to 3 inches of rain in spots, resulting in some roadway and basement flooding. Hail also occurred in some locations with the largest being 1-1/4 inch in diameter and golf-ball size.										
East Bradford Township, Chester County	16	4:45 PM EDT	0.7	50	0	0	0	3	0	Tornado FPP 101
The tornado moved through a housing development uprooting trees, tossing about outdoor furniture and a swing set and flipping over a 10,000 pound camper, but causing only minor damage to houses. The funnel was clearly seen by the resident.										
Lititz, Lancaster County	17	9:30 AM to 10 AM EDT			0	1	4	0	0	Wind
Wind gusts uprooted and broke off quite a few trees, damaged roofs and knocked down fences. One man was injured when a tree fell on his automobile.										
Eastern Pennsylvania	21	6 PM to 9 PM EDT			0	1	4	0	0	Wind, Electrical, Heavy Rain
Thunderstorm wind gusts uprooted trees or broke off trees or limbs and damaged buildings. One house had its roof torn off and a large commercial building and an apartment house had their roofs stripped off. Falling trees and parts of roofs landed on automobiles. Several mobile homes were flipped over with one demolished. Downed power lines caused hundreds to have service interrupted. Lightning strikes caused several small fires and injured one man. Heavy downpours caused roadway and basement flooding with as much as five feet of water in one basement. Hail was also reported in a few locations. The damage was mostly concentrated from Williamsport to Wilkes-Barre and north to New York and from Chambersburg to Carlisle to Lancaster County and east to Dowlstown.										

LATE REPORTS										
PENNSYLVANIA (continued)										
EASTERN										
Southeastern Penna.	22	5 PM to 8 PM EDT	JULY 1980			0	0	4	0	Wind, Heavy Rain, Electrical
Thunderstorms caused damage in the area from York to Berks to Bucks Counties and the Southeast. Wind gusts downed trees with some damaging houses or automobiles. Lightning strikes caused power outages, started a few fires, and damaged trees and buildings. Heavy downpours caused roadway flooding in a few locations.										
Philadelphia, Pa.	29	5 AM to 8 AM EDT			0	0	3	0	0	Heavy Rain
Thunderstorms with heavy downpours dropped 3.41 inches of rainfall that resulted in considerable roadway flooding.										
Lebanon and Lancaster Counties	29	6 PM to 6:30 PM EDT			0	0	6	4	4	Wind, Hail
Thunderstorms moved across southern Lebanon and northern Lancaster Counties causing considerable damage. Thirty or more farms were affected by the storms. Roofs or portions of roofs were torn of houses, barns and other buildings. A few barns and other buildings were completely destroyed. Some barns had walls or portions of walls blown out. A calf was killed in one collapsed barn and 34 head of cattle died in a fire started by a short circuit in a collapsed barn. Hail caused considerable damage to corn, soybean, wheat and oats. Some of the hail was especially damaging due to its irregular shape, like someone's little finger.										
PENNSYLVANIA										
WESTERN										
Erie and Crawford Counties	8	morning	JULY 1980			0	0	4	4	Heavy rain, hail, and wind
Heavy rain, golf-ball sized hail, and moderate winds caused creek flooding, power outages, badly damaged crops, and damaged homes and trailers. In Cambridge Springs a dam was weakened. Along Edinboro Lake many docked boats were sunk.										
Mercer and Crawford Counties	15	afternoon			0	0	8	4	4	Hail and strong wind
Strong winds blew down trees, caused many power outages, and in Sharon a mobile home was moved 15 feet. Also in the Sharon area, hail damaged crops. In the Cochranos damage was estimated in excess of \$200,000.										
Much of Western Pennsylvania	16-17	night to morning			2	4	8	7	7	Hail, strong wind, and lightning
Strong winds from numerous thunderstorms caused power outages, uprooted trees (some quite large), downed telephone lines, and other extensive damage over a widespread area. A woman was killed near Elderton, in Armstrong County. Strong winds knocked over a tree onto the trailer in which she was sleeping. She was killed instantly. A girl who also slept in the trailer was slightly injured. Six other trailers in the same park were damaged. Two reports of high winds from these storms were 73 mph at the Hubois Airport and 55 mph at Penn State. A helicopter was doped in the Clarion area. A hanger at the Beaver County Airport was extensively damaged. An entire orchard was blown over in Punxsutawney. A roof was blown off a 3 story building in Huntingdon. Golf-ball sized hail broke many windows at a greenhouse in Clearfield. Three people were struck by lightning; one in Westmoreland County and the other two in Cambria County.										
Crawford County	21	2:15 pm	3		0	1	8	0	0	Tornado
A confirmed tornado touched down 3 miles west of Saegertown. It lifted a mobile home and moved it 20 feet. It was demolished as it landed on its roof. A woman inside at the time was injured. Many other trailers in the same park were knocked off their foundations. AS a funnel cloud it caused more damage in town.										
Clinton County	21	afternoon			0	0	4	0	0	Strong wind
Strong winds picked up a trailer and flipped it over. The trailer had been secured with hurricane straps. It was demolished, while another trailer nearby was badly damaged.										
SOUTH DAKOTA										
JULY 1980										
Meade County	2	6:45 PM						4		Tornado
Tornado traveled approximately five miles on ground, seventeen miles northeast of Sturgis, SD. Some houses were damaged in Vale, South Dakota.										
Lyman County	3	7:15 PM						4		High Wind
A severe thunderstorm near Presho, SD produced 65-75 MPH winds and caused damage to farm buildings.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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	
LATE REPORTS									
SOUTH DAKOTA (continued) JULY 1980									
Walworth County	3	7:45 PM					3		High Wind
		Two miles east of Moberg, SD							
Walworth County	3	8:04 PM					3		High Wind
		One mile south of Selby and near Hoven, SD.							
Edmunds County	3	8:30 PM					3		High Wind
		In the vicinity of Rosmer and Roscoe, SD.							
Edmunds County	3	9:25 PM							High Wind
		Eight miles north of Cresbard, SD.							
Spink County	3	9:56 PM							High Wind
		Vicinity of Mellette.							
Beadle County	3	11:10 PM							High Wind
		Wind gusts of 55-60 MPH were reported at the Huron Airport.							
Sanborn County	3	11:17 PM							High Wind
		Numerous thunderstorms developed in a large thunderstorm complex over northcentral South Dakota, then moved southward. Numerous reports of high winds are listed above. Wind gusts up to 70 MPH were common in the early evening hours of July 3 but decreased to 60 MPH late evening hours.							
Stanley County	5	3:50 PM to 4:20 PM					5		Hail, High Winds
		A severe thunderstorm with one and one-half inch hailstones and winds approximately 100 MPH developed in west central South Dakota. This storm tracked from just northeast of Hayes to fifteen miles south of Pierre, SD.							
Tripp County	5	5:00 PM to 6:00 PM							Hail, High Winds
		A thunderstorm developed in extreme western Tripp County and moved east-south eastward through Wintoner to near Gregory before weakening. Wind gusts to 70 MPH and hail approximately one-half inch in size was reported.							
Pennington County	8	6:35 PM							High Wind
		Wind gusts to 60 MPH were recorded at the National Weather Service at Rapid City.							
Fall River County	10	4:35 PM							Tornado
		Public reported a tornado touched down near Hot Springs, SD. No damage reported.							
Stanley County	10	6:15 PM							High Wind
		Winds of 70 MPH were reported forty miles northwest of Pierre, SD. No damage reported.							
Codington County	11	12:10 AM					3		
		Wind gusts of 58 MPH were recorded at Watertown Airport. Minor damage to power and telephone lines was reported.							
Corson County	13	6:40 PM					3		High Wind
		High winds estimated between 50-60 MPH damaged a camping trailer near McLaughlin, SD.							
Kingsbury and Brookings Counties	15	1:00 PM to 2:00 PM	60	3-5 miles			6		Hail, High Winds
		Several thunderstorms developed near Lake Preston, SD and moved slowly eastward through Brookings County, (Hail, mostly golf ball size with some reports of Hail, baseball size, cut a path with 100 percent crop loss, three to five miles wide and sixty miles long through the two counties. Estimated crop loss was five million dollars.							
Beadle, Kingsbury and Brookings Counties	15	2:30 PM to 4:30 PM	30	2-3 miles			6		Hail, High Wind
		These severe thunderstorms developed west of Huron, SD with initial damage reports located three miles southwest of Huron. Movement was easterly. Hail was mostly golf ball size and cut a path two to three miles wide and thirty miles long from just southwest of Huron to just east of Esmond, SD. Hail damage to crops was estimated near one million dollars. The storms continued to move east with wind gusts recorded at 81 MPH at Brookings Airport.							

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			
LATE REPORTS											
SOUTH DAKOTA (continued) JULY 1980											
Faulk & Spink Counties	15	1:30 PM to 2:30 PM	50	2-4 miles				6	Hail, Tornado Funnel Cloud High Winds		
		Severe thunderstorms developed in central Faulk County near Faulkton and moved east southeast. Golfball to baseball size hail caused extensive damage to crops along a path 2-4 miles wide and 50 miles long. A tornado was reported in Spink County between Mellette and Northville. A funnel cloud was sighted 3 miles north of Ashton in Spink County. Damage to crops was estimated between 3-5 million dollars.									
Lincoln County	17	8:50 PM							High Winds		
		Wind gusts to near 60 MPH were reported by the South Dakota Highway Patrol near Harrisburg in northern Lincoln County.									
Lincoln County	17	8:55 PM							Tornado		
		A tornado was reported to have touched down two miles southwest of Canton, SD. No damage was reported.									
Brown, Clark, Walworth, Beadle and Kingsbury Counties	27	3:30 PM to 8:30 PM						4	Hail, High Wind		
		Numerous thunderstorms developed over east central and northeast South Dakota during the afternoon and continued into the evening hours producing mostly golf ball size hail and wind gusts estimated near 65 MPH. These thunderstorms were scattered in nature with damages to crops reported.									
WISCONSIN											
JULY 1980											
Northwest and Central Maupaca County	05	0000-0045					0	0	5	4	Wind
		Several sheds and barns were damaged by wind. A commercial building in Manawa was also unroofed.									
Outagamie County	05	0010-0050					0	0	6	5	Wind, Hail
		A severe thunderstorm produced 40 to 70 mph winds and 1/2 to 1 1/2 inch hail at several locations. At Outagamie County Airport, 4 airplanes were destroyed by winds and 4 others sustained damage. Hail damaged 23 automobiles at the airport. Broken windows and minor structural damage to airport buildings were also reported. Six orchards in the county reported considerable wind and hail damage. Seven mobile homes were damaged at County Trunk Bp and Mayflower Road as were many rural sheds across the county.									
Winnebago County	05	0015-0040					0	0	5	?	Wind
		40 to 70 mph winds broke trees and caused widespread damage to rural structures at many locations across the county.									
Northern Calumet County	05	0015-0040					0	0	5	5	Wind, Hail
		40 to 70 mph winds caused widespread minor damage to rural structures, downed trees, and resulted in 1 to 3 hour power outages. Winds damaged many houses and commercial buildings in Chilton. Several farms across the north half of the county experienced wind damage. One-half to 1 1/2 inch hail damaged farm crops and orchards in Harrison, Woodville, and Rantoul Townships.									
Fond du Lac County	05	0015-0040					0	0	5	?	Wind
		40 to 90 mph winds caused widespread minor damage to rural structures, downed trees, and resulted in 1 1/2 to 4 hours power outages. In the city of Fond du Lac, several transmission poles were downed and the roof of the International Paper Company was torn off. A semitrailer truck at the plant was overturned by winds estimated at 90 mph.									
Valders Area, Manitowoc County	05	0030	?	?			0	0	5	3	Tornado
		A tornado destroyed a barn, machine shed, and farm machinery at the farm of Warren Otto, just south of Valders. Other farm buildings in the area sustained minor damage.									
Jackson Area Washington County	05	0130					0	0	4	4	Wind
		Winds blew down a barn, uprooted trees, and flattened crops in the Jackson area.									
Verona, Dane County	05	0200					0	0	0	0	Funnel Aloft
		A funnel cloud was observed just north of Verona. It lasted about 5 minutes, then dissipated.									
Fontana Area Walworth County	05	0215					0	2	4	0	Wind
		High winds pulled down 18 electrical transmission towers in Walworth Township, just off County Trunk F near Fontana. The fallen poles resulted in an automobile accident which injured 2 men. Widespread power outages occurred across Walworth Township.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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	
LATE REPORTS									
WISCONSIN (continued) JULY 1980									
Sayner Area, Vilas County	07	1845			0	0	5	?	Wind, Hail
									High winds and 1 inch hail pulled down hundreds of trees and many power lines in the Sayner - Boulder Junction - St. Germain area, resulting in 4 to 5 hour power outages. One house in Boulder was damaged by a fallen tree.
Iowa County	09	0230			0	0	4	?	Wind
									60 to 70 mph winds pulled down trees and power lines in Mineral Point and Dodgeville.
Rock County	09	0230-0330			0	0	5	?	Wind
									50 to 80 mph winds pulled down trees and power lines across the county. The Edgerton, Milton and Beloit areas reported hundreds of trees down. 25 electric transmission poles in a one-mile stretch were downed between Beloit and Sharon. The poles were designed to withstand 80 mph winds. A 4 hour power outage resulted.
Lafayette County	09	0300-0400			0	0	5	0	Wind
									50 to 70 mph winds caused widespread tree and power line damage across the county.
Dane County	09	0300			0	0	5	?	Wind
									30 to 70 mph winds swept across the county, damaging trees and power lines. Many trees were downed in the Marlborough Heights area of Madison and in Verona.
Green County	09	0330			0	0	?	?	Wind
									50 to 60 mph winds damaged trees and power lines at many county locations. The Brownstown and Monroe areas were especially hard hit.
Cornucopia, Bayfield County	10	1800			0	0	4	0	Wind
									High winds, estimated at 80 mph, swept through the town, breaking windows, downing trees and power lines, and causing damage to commercial buildings in the business district. Pleasure boats moored in the harbor on Lake Superior were also damaged.
Pierce and St. Croix Counties	11	2030-2130	22	4,400	0	0	5	6	Hail, Wind
									One to 3 inch hail and 50 to 80 mph winds swept from just south of Baldwin, St. Croix County into northwest Pierce County. Corn, soybeans, oats and barley crops in the 22-mile long area were severely damaged. In addition, 30 to 60 mph winds occurred over much of the northeast half of Pierce County and the southeast half of St. Croix County. 200 to 250 windows were broken in St. Croix County, and 50 to 100 in Pierce County in the heavy hail areas. About 60 homes were damaged by wind and hail, and 300 to 400 automobiles sustained significant hail damage.
Stanley, Chippewa County	11	2230			0	0	4	0	Electrical
									Lightning killed 9 heifers gathered around a tree, just outside Stanley.
Cleveland Township Taylor County	12	0045			0	0	3	?	Wind
									Winds estimated at 60-70 mph push over a trailer home.
Northern Douglas County	14	0245			0	0	?	?	Wind
									Winds estimated at 65 mph swept from Lake Superior across northern Lakeside Township.
West Marshland Township, Burnett County	14	1600	?	?	0	0	0	0	Hail
									Campers reported that one inch hail accompanied by 40 mph winds fell in an isolated area of the township.
Walworth County	15	0700			0	0	5	3	Wind
									Winds estimated at 60 to 80 mph raked several county locations - especially the East Troy and Lake Beulah areas of the northeast, and the Delavan and Sharon areas of the southwest. 25 utility poles were downed in Blomfield Township. In Lake Beulah, 80 mph winds uprooted hundreds of trees, destroyed piers and recreational facilities, and broke many windows. Three houses and 3 automobiles sustained major damage from fallen trees in Sharon and Delavan, one garage was unroofed by wind, and 100 to 200 trees were downed. Minor wind damage to crops was also reported at many county locations.
Milwaukee and Racine County	15	0800			0	0	3	?	Wind
									60 mph winds caused minor damage to several rural sheds in the vicinity of Seven Mile Road and Route 45 in Racine County. Many trees were damaged in rural areas across western and northern Racine County and extreme southern Milwaukee County. Some electrical wires were downed in western Racine County.
LATE REPORTS									
WISCONSIN (continued) JULY 1980									
West-Central Wisconsin	15	1930-2230	120	40 Miles	3	27	8	7	Wind, Hail, Rain Tornadoes, Electrical
									Severe thunderstorms devastated approximately 4,800 square miles of west-central Wisconsin between 1930 and 2230 (8:30 to 11:30 p.m. CDT). Winds of 50 to 120 mph (locally higher) raked an area 40 miles wide extending from Pierce and St. Croix Counties on the west into Clark County, 120 miles to the east. The storms developed in Minnesota during the afternoon. After moving through Minneapolis/St. Paul, they crossed the Mississippi and St. Croix Rivers into Pierce and St. Croix Counties of Wisconsin about 1930, and strengthened considerably. Areas primarily affected in Wisconsin were: south third of St. Croix County, north half of Pierce County, south half of Chippewa County, Eau Claire County, and central Clark County. Sustained winds of 50 to 90 mph and gusts to 120 mph, perhaps higher, occurred in that seven-county area. 30 to 70 mph winds occurred during the same period in portions of another 11 surrounding counties. Additionally, 13 tornadoes (see below), large hail, intense lightning, and heavy rains plagued the devastated area. Strongest winds (measured at 112 mph at Eau Claire Airport at 2048 before the anemometer blew away) and greatest destruction occurred from Menomonie in central Dunn County to the Eau Claire area of Eau Claire County. Total damage in the seven-county area is \$240,000,000 --- the largest storm total in Wisconsin history: \$26,500,000 to public facilities such as electric cooperatives, highways, and highway signs; \$87,200,000 to private property such as houses and businesses, including the loss of food stocks, but excluding rural structures; \$104,300,000 in agricultural losses, including rural structures and farm machinery, crops, livestock and milk dumping; \$4,800,000 in wages lost to power outages; and \$16,500,000 in timber losses in forested areas. Ongoing costs of debris removal will raise damage estimates above these indicated values. Electric power to a population of 170,000 was off for 24 hours, and after 7 days, 20,000 still had no power. One death and 27 injuries were directly attributed to the storm; two additional deaths, resulting from injuries sustained in the storm, occurred about one week later. About 180 injuries, mostly from power-saw accidents, occurred in cleanup operations in the ensuing two weeks.
St. Croix County	15	1930-2100			0	0	7	6	Wind, Hail, Rain, Electrical, Tornado
									A tornado occurred at 2045 in the Glenwood City area (see below).
Glenwood City Area St. Croix County	15	2045	?	?	0	0	?	?	Tornado
									Police observed the development of a funnel cloud and tornado just to the north of Glenwood City.
Pierce County	15	1930-2100			0	0	7	7	Wind, Hail, Rain Electrical
Dunn County	15	2000-2200			1	12	8	7	Wind, Hail, Rain Electrical, Tornado
									A tornado occurred in the county at 2045 (see below), resulting in one death and 12 injuries.
Western Dunn County	15	2045	1	100	1	12	6	?	Tornado
									A tornado touched down in an unincorporated area in extreme western Dunn County. One death occurred when a mobile home was overturned and a woman was crushed by a refrigerator. Twelve injuries also occurred in the area.
Pepin County	15	2015-2200			0	0	6	6	Wind, Hail, Rain Electrical
Chippewa County	15	2015-2130			1	5	7	7	Wind, Hail, Rain Electrical, Tornadoes
									Four tornadoes occurred in the county (see below), resulting in one death and five injuries.
Hallie Township Chippewa County	15	2040	.2	70	1	5	6	0	Tornado
									A small but strong tornado struck the Stardust Estates Mobile Home Court in northeastern Eau Claire, and moved northeastward on a path about 200 feet wide and 800 feet long. Twenty mobile homes were damaged and/or destroyed, resulting in 6 injuries. One of those injured died a week later. (Chippewa Co) continued, see next 3 entries)
Hallie Township Chippewa County	15	2045	.04	30	0	0	0	3	Tornado
									A brief touchdown occurred in a corn field near Hillside Drive, creating a damage area about 200 feet long and 100 feet wide. The corn was stream about in a "corkscrew" pattern.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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		
LATE REPORTS WISCONSIN (continued) JULY 1980										
Hallie Township Chippewa County	15	2045	.04	30	0	0	0	0	0	Tornado
A brief touchdown occurred in a swampy area near Hillside Drive, about 1/4 mile from the tornado which occurred simultaneously in a cornfield. Broken trees strewn in a counterclockwise pattern indicated a damage area about 200 by 100 feet.										
East of Chippewa Falls Chippewa County	15	2107	?	?	0	0	?	?	?	Tornado
Police tracked a tornado briefly, moving eastward.										
Eau Claire County	15	2015-2130			1	10	8	7		Wind, Hail, Rain Electrical, Tornadoes
Four tornadoes occurred in the county (see next 4 entries), resulting in one death and 10 injuries. All electric power out.										
Eau Claire, Eau Claire County	15	2025	1	1320	1	10	6	0		Tornado
A tornado touched down in the Hill Run section of Eau Claire, destroying 7 homes and damaging many more. The path was about 1/4 mile wide and 1 mile long. Eleven injuries were reported, and one of the injured died later.										
Fall Creek, Eau Claire County	15	2040	.3	?	0	0	4	?		Tornado
A tornado touched down briefly in a rural area near Fall Creek, demolishing 3 farm buildings and damaging equipment. Portions of a silo were carried 1/2 mile.										
South and Southwest of Augusta, Eau Claire County	15	2050	3	?	0	0	5	?		Tornado
A tornado touched down 2 1/2 miles southwest of Augusta and moved eastward for about 3 miles before dissipating. It destroyed 3 barns, 2 silos and several sheds, in a path extending from Highway R to Highway M.										
10 South of Eau Claire Eau Claire County	15	2308	?	?	0	0	?	?		Tornado
Police followed a tornado 10 miles south of Eau Claire. The tornado moved eastward briefly, then disappeared.										
Clark County	15	2100-2230			0	0	6	6		Wind, Hail, Rain Electrical, Tornado
One tornado occurred in the county (see below) in a second wave of thunderstorms which swept the area between 2300 and 2340.										
3 1/2 Southwest of Thorp, Clark County	15	2307	?	?	0	0	?	?		Tornado
Police followed a tornado in a rural area 3 1/2 miles southwest of Thorp.										
Stratford, Marathon County	15	2135			0	0	5	0		Electrical
Lightning causes fire which destroyed a house and its contents.										
Trempealeau County	15	2200-2400			0	0	4	4		Wind, Hail
An extended period of 40-70 mph winds damaged 500 to 600 trees across the county. Many cars were damaged by falling limbs and electric service was interrupted at many scattered locations. One inch hail fell in Falesville at 2330.										
Stevens Point, Portage County	15	2230			0	1	3	?		Wind, Electrical
Winds broke about 20 trees in town, resulting in power and telephone outages. One person was injured when lightning struck a tree under which he was standing.										
La Crosse Area, La Crosse County	15	2255	?	?	0	0	?	?		Hail
3/4 inch hail fell in La Crosse and Onalaska.										
Vernon County	15	2315-2355	?	?	0	0	4	?		Hail
3/4 to 1 1/4 inch hail fell at many county locations. Virgo and Hillsboro reported many dented cars and broken windows.										
New Haven Township, Adams County	16	0030			0	0	4	0		Electrical
Lightning killed 8 Angus cattle huddled together during a thunderstorm.										
Northern Half of Washington County	16	0030			0	0	?	?		Wind
40 to 60 mph winds.										

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		
LATE REPORTS WISCONSIN (continued) JULY 1980										
Walworth County	16	0145-0230			0	0	5	?		Wind, Electrical Hail
50-70 mph winds pulled down hundreds of trees and power lines, resulting in blocked roads and power outages. The Elkhorn and Lake Geneva areas were especially hard hit - 3 houses sustained major tree damage and 50-700 sustained minor damage. 67 mph winds were measured at Lake Geneva at 0215 and 1/2 inch hail was reported at the same time. Many windows were broken by hail in Pell Lake, Genoa City and Sharon.										
Pewaukee, Waukesha County	16	0200-0230			0	0	?	?		Wind, Funnel Aloft
Two funnel clouds were observed over Pewaukee at 0210 and 0230. 40-60 mph winds toppled numerous trees in the city area.										
Powers Lake, Kenosha County	16	0200-0300			0	0	4	0		Electrical, Wind
Lightning-induced fire damaged St. Theresa Chapel. Many trees were blown down across the county, especially in Turtle Lake.										
Rock County	16	0200-0300			0	0	4	4		Wind, Hail
60-70 mph winds and 1/4 to 1/2 inch hail pulled down 200 trees and damaged corn crops at many locations. Broken windows were reported in Evansville and Orfordville.										
Burlington, Racine County	16	0240			0	0	5	0		Electrical, Wind
A lightning-caused fire destroyed a \$78,000 home. Many trees were blown down in town and one automobile was damaged by falling limbs.										
Shanagolden Ashland County	19	Afternoon	2	?	0	0	4	?		Tornado, Wind
Winds estimated at 60 mph struck Shanagolden and Jacobs Townships. A small tornado dipped down just south of the town of Shanagolden, where it destroyed one barn and damaged two houses and several rural structures. The tornado moved two miles northeastward, cutting a path through a forested area, and finally dissipated just west of Glidden.										
Vernon County	19	2200-0200			0	0	6	?		Wind, Electrical Rain
Two waves of storms swept the county from 2200-2330 and again from 0130-0215. 60 to 80 mph winds occurred across about one-half of the county, knocking down hundreds of trees and interrupting electric service for 1 to 3 hours. Intense lightning caused at least 25 minor fires across eastern Vernon County and 9 major fires (including the complete destruction of the Farmers State Bank of Hillsboro, 2 houses and 6 barns). Lightning also killed 13 cattle in the Hillsboro area in 3 separate occurrences.										
Juneau County	19	2300-2400			0	2	5	?		Wind, Electrical
Two severe thunderstorms swept the county. 50 to 70 mph winds destroyed many trees, pulled down power lines and caused widespread minor damage to barns and sheds. Lightning set fires which destroyed 2 large barns (in Houston and Lyndon Station). Greatest tree and power line damage occurred in Joyewoc and Union Center. A large tree crushed a car in Orange Township about 0130, resulting in 2 injuries.										
Adams County	19	2330-0045	1.0	?	0	0	5	?		Wind, Tornado
50 to 80 mph winds caused widespread tree damage. Winds destroyed 2 unoccupied mobile homes in Friendship, and damaged many rural structures across the county. A small tornado dipped down just south of County Highway F in Quincy Township at 2345, destroyed a small mobile home, moved northeastward about two miles and dissipated in Adams Township.										
Sauk County	19	2330-0215			0	0	5	?		Wind
Two severe storms each produced 40-70 mph winds and damaged many rural structures in numerous locations. Baraboo and Merrimac were hardest hit.										
Kaukauna Outagamie County	19	0100			0	0	5	0		Electrical
Lightning caused extensive damage to hydroelectric generators at a local power facility. A three hour power outage resulted in the town.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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	
LATE REPORTS									
WISCONSIN (continued) JULY 1980									
East-Central	19-20	2330-0200			0	0	6	5	Wind, Electrical
<p>Severe thunderstorms moved across southern Shawano, Waupaca, Outagamie, Brown, Kewaunee, Winnebago, Calumet, Manitowoc, Sheboygan, and Fond du Lac Counties. 40 to 70 mph winds occurred at many locations in the area, damaging trees and power lines, producing power outages, and ruining grain crops. Significant tree and power line damage occurred in Cooperstown (Kewaunee County) at 0030; at New London, Manawa and Mewaunega (Waupaca County) about 0000-0045; in Seymour and Bear Creek (Outagamie County) at 0030; at Oneida, Howard and Green Bay (Brown County) 2330-0115; in Ripon (Fond du Lac County) at 0045; and in Manitowoc (Manitowoc County) at 0030. Many rural locations also reported damaged trees and power lines. Grain crop damage was heavy in Sheboygan and Manitowoc Counties. Three lightning-caused fires destroyed homes in Green Bay (Brown County), New London (Waupaca County), and Kiel (Manitowoc County). In Seymour (Outagamie County) winds tore off the high school roof and damaged 2 silos and 2 barns; several cattle were also killed.</p>									
Montello Area Marquette County	20	0100-0200			0	1	5	?	Wind, Electrical
<p>Damaging winds and intense lightning resulted in many downed trees and 2 homes destroyed by fire. One injury occurred when a tree fell on a camper truck.</p>									
Clinton Area Rock County	20	1745	?	?	0	0	?	?	Wind, Hail
<p>1/2 to 1 inch hail and 50 mph winds caused minor damage.</p>									
Walworth County	20	1800-1830	?	?	0	0	5	5	Wind, Hail
<p>Hail 1 to 2 1/2 inches in diameter bombarded Delavan, especially on the north and south shores of Lake Delavan. About 50 automobiles were dented and several windshields were shattered. 1 to 2 inch hail and 55 mph winds battered Lake Geneva, breaking many windows and denting several automobiles. Soybeans and corn were damaged in western and southern portions of the county.</p>									
Kenosha and Southern Racine Counties	20	1815-1900	?	?	0	5	5	?	Wind, Hail Rain
<p>40 to 70 mph winds, accompanied at some locations by 1/2 inch hail, produced widespread property and crop damage. Fallen trees damaged a trailer and 2 cars in Kenosha. Power outages from 1 to 12 hours occurred in rural sections of western Kenosha and southwestern Racine Counties. 5 minor injuries were sustained when 50 to 60 mph winds destroyed tents at an outdoor festival in Pleasant Prairie (Kenosha County).</p>									
Oneida County	28	1515-1600	?	?	0	0	3	3	Hail
<p>1/2 inch hail covered the ground at numerous county locations. Hail accumulations of 2 inches were reported in Rhinelander at 1527. 1 to 2 inch hail ruined crops and broke several windows in Nokomis at 1600.</p>									
Oconto Falls Oconto County	28	1912	?	?	0	0	3	3	Hail
<p>1 inch hail damaged cars and crops in town.</p>									
Southern Door County	28	1930-2000	?	?	0	2	4	5	Wind, Hail
<p>Small hail and winds estimated at 70 mph damaged trees and crops in Union and Neewaunee Townships. Cherry trees sustained some damage. 2 injuries occurred when a tree toppled onto a camper truck.</p>									
West-Central	15-16	2100-0100			0	0	6	5	Wind, Hail, Electrical
<p>At the same time severe thunderstorms ravaged a seven-county area of west-central Wisconsin (see July 15 entries), thunderstorms of lesser intensity produced 30-70 mph winds and hail at numerous locations in each of 11 surrounding counties of Buffalo, Trempealeau, Jackson, Wood, Portage, Marathon, Lincoln, Taylor, Rusk, Barron, and Polk. Six house fires and 9 barn fires were caused by lightning (all in Marathon County). Wind damage was mainly to trees and power lines. Hail damage was restricted to crops.</p>									
Waunakee, Dane County	22	Approx. 2200			0	0	4	0	Electrical
<p>Lightning killed 8 cattle.</p>									
Shell Lake, Washburn County	24	2100			0	0	3	0	Electrical
<p>Two horses were killed by lightning.</p>									
LATE REPORTS									
WISCONSIN (continued) JULY 1980									
Volk Field, Juneau County	25	1605			0	0	0	0	Funnel Aloft
<p>A small funnel cloud formed from the base of a cloud mass which was producing no rain. The funnel dissipated after a few minutes.</p>									
Park Falls, Price County	28	1500			0	0	4	0	Electrical
<p>Lightning ignited a fire in a lumber storage area of a paper company. One million gallons of water were pumped to extinguish the fire.</p>									
Extreme Northern Marinette County	28	1515	?	?	0	0	?	4	Hail
<p>1/4 to 3/4 inch hail caused crop damage across northern portions of the county, especially to garden crops in the Niagara area. Several cars were also dented.</p>									
Columbia and Northern Dane Counties	28-29	2330-0115	25	1 to 5 Miles	0	0	6	7	Wind, Hail Rain
<p>Hail fell in a path 25 miles long and varying in width from 1 to 5 miles, extending from the Portage area southeastward to Columbus and extreme northeast Dane County. Most places in the hail path reported accumulations of less than one inch, but hail accumulations of 2 to 5 inches occurred in the Rio area. 30 to 80 mph winds and 1 to 3 inches of rain accompanied the hail. Two tornado touchdowns and 2 additional funnel clouds occurred with the storm system (see the next four entries). Wind and hail damages were greatest in the Rio area. 200 farms covering 18,000 acres reported destruction to corn, oats, wheat, tobacco, soybeans, barley, tomatoes, hay, and seedling alfalfa. Hail ranged in size from about 1/4 inch in most places along the hail swath up to 2 inches in the Rio area, where hundreds of automobiles were damaged. So much ice covered the ground at Rio that dense fog enveloped the area between 0600 and 1000.</p>									
Poynette, Columbia County	28	2358			0	0	0	0	Funnel Aloft
Pardeville, Columbia County	29	0007			0	0	3	0	Tornado
<p>Brief touchdown destroyed an unoccupied trailer on Highway P just west of town.</p>									
Rio, Columbia County	29	0015			0	0	4	0	Tornado
<p>A brief touchdown unroofed one house and damaged 2 others in the Scotland Village subdivision on the west side of Rio just south of Highway 16.</p>									
Fall River, Columbia County	29	0042			0	0	0	0	Funnel Aloft
<p>A funnel was observed between Fall River and Columbus moving eastward. The funnel persisted about 3 minutes.</p>									
Northwestern Dodge County	29	0110			0	0	3	?	Wind
<p>60 mph winds damaged several hundred trees and golf ball sized hail damaged about 50 automobiles.</p>									
Vernon Township Waukesha County	29	0330	?	?	0	0	0	4	Tornado
<p>A brief touchdown in a rural area of the township destroyed onion, pepper, tomato and corn crops.</p>									
Waukesha Township Waukesha County	29	0305	?	?	0	0	3	?	Wind, Hail
<p>60-70 mph winds caused minor property damage in the township, mainly to trees and power lines.</p>									
Turtle Lake Barron County	30	0330			0	0	5	0	Electrical
<p>Two lightning-caused fires resulted in heavy damage to St. Ann's Catholic Church in Turtle Lake and destroyed a large modern barn in nearby Almena.</p>									
CORRECTIONS									
OHIO JULY 1980									
Cuyahoga County	11	5PM			1	0	3	0	Lightning
<p>A woman on a picnic in a Cleveland park was struck by lightning. She died about a month later in the hospital.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

0 Includes crop damage.
C Crop damage.
* Miles instead of yards.
** Yards instead of miles.
† Storm damages are placed in categories varying 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

Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of the type of data, it is not all-inclusive. Late Reports and Corrections will be carried in the month following receipt of these data.

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USCOMM-NOAA-ASHEVILLE, N.C. 1980-1700

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