

STORM DATA



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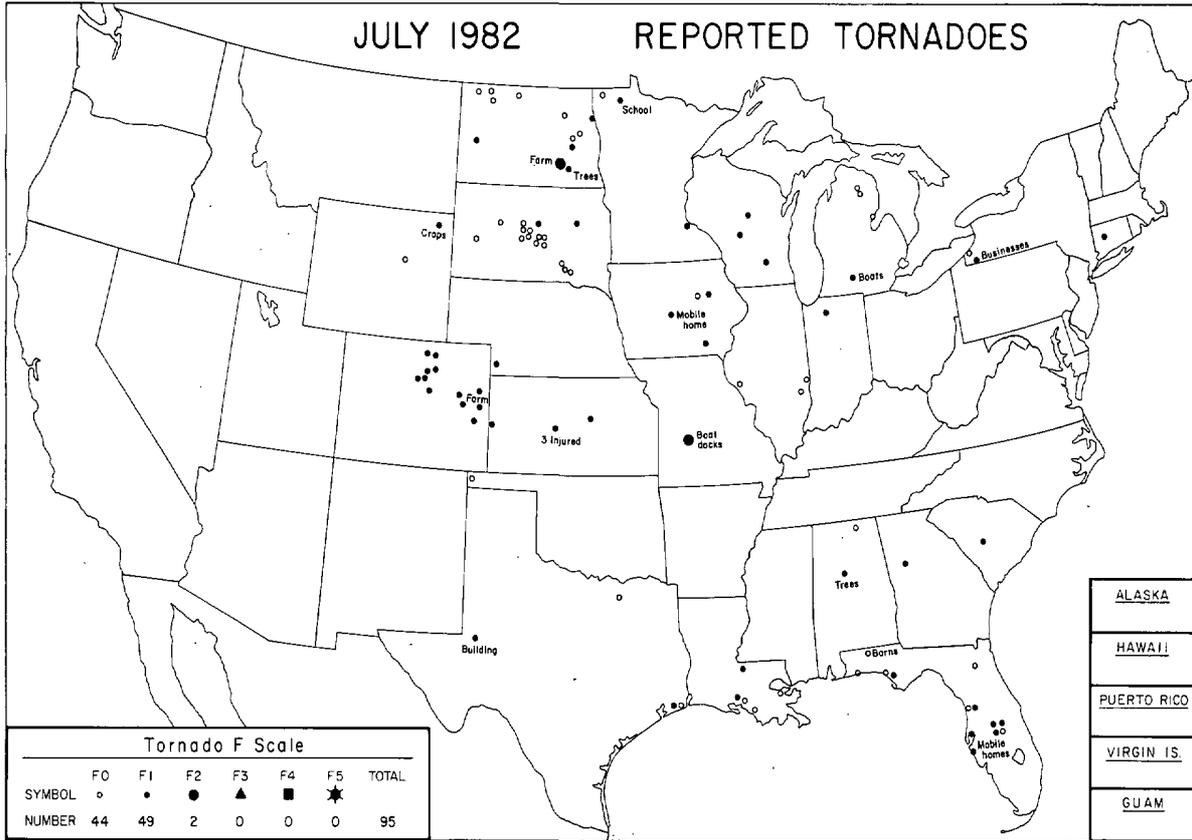
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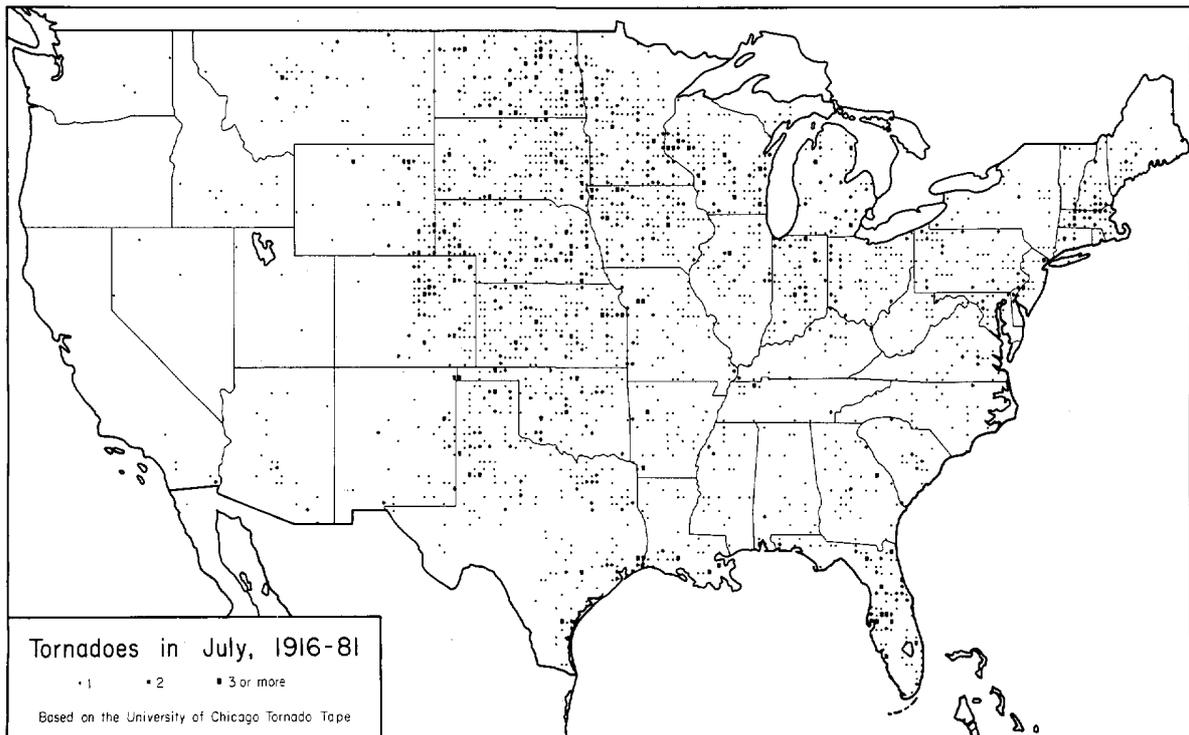
NOTE: The section on Outstanding Storms of the Month is prepared and edited by Professor T. Theodore Fujita, University of Chicago. The narrative descriptions of Storms by State and Summaries of Hurricanes and Tropical Storms are prepared by the National Weather Service. The National Climatic Center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

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OUTSTANDING STORMS OF THE MONTH

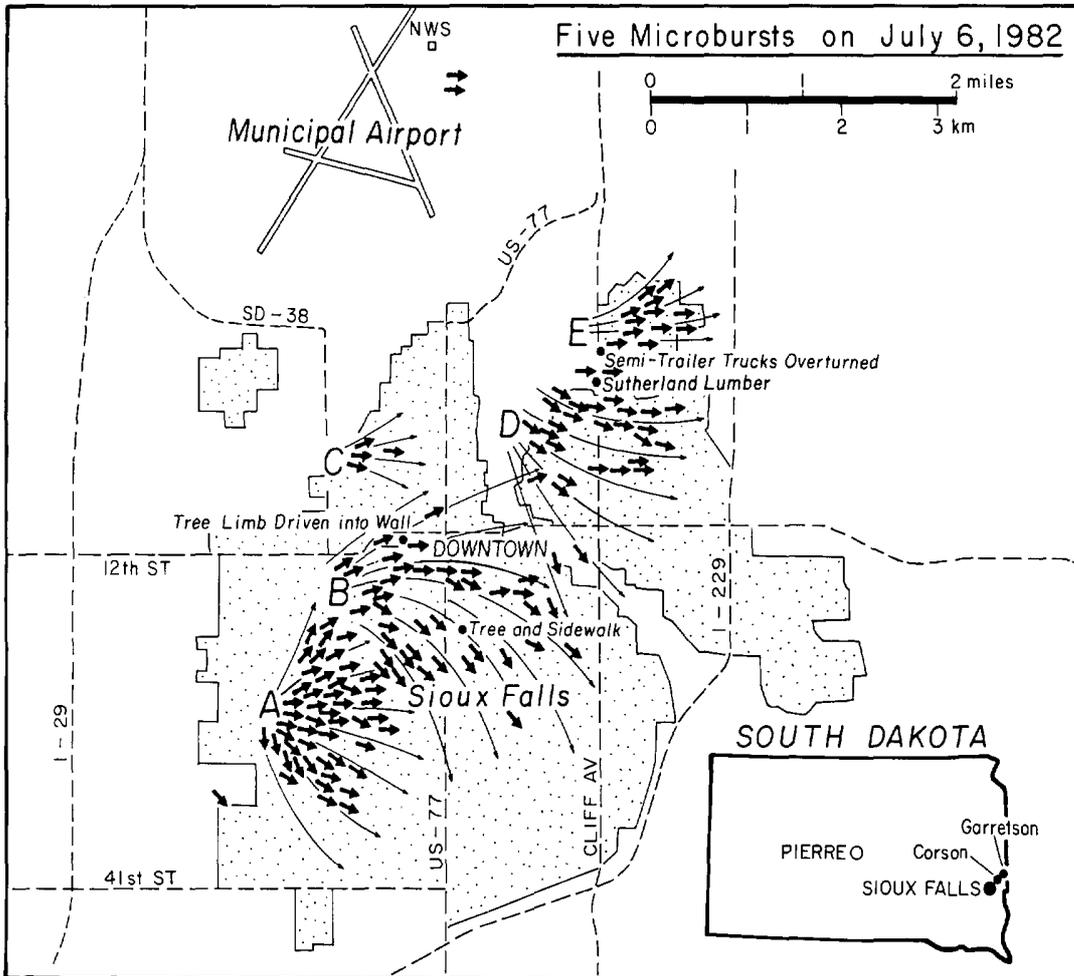


● TYPED REPORT RECEIVED			⦿ PRELIMINARY REPORT RECEIVED			○ NO REPORT RECEIVED			(N) northern	(E) eastern	(C) central
									(S) southern	(W) western	(O) coastal
● 1AL	● 5CO	● 10ID	● 15KY	● 20MI	● 25NE	● 30NY(O)	● 33OH	● 37RI	● 41TX(S)	● 45WA	● 50HI
● 2AZ	● 6CT	● 11IL	● 16LA	● 21MN	● 26NV	○ 30NY(C)	● 34OK	● 38SC	● 41TX(W)	● 46WV	● 51PR
● 3AR	● 7DE	● 12IN	● 17ME	● 22MS	● 27NH	● 30NY(W)	● 35OR	● 39SD	● 42UT	● 47WI	● 52VI
● 4CA(N)	● 8FL	● 13IA	● 18MD	● 23MO	● 28NJ	● 31NC	● 36PA(E)	● 40TN	○ 43VT	● 48WY	● 53GU
● 4CA(S)	● 9GA	● 14KS	● 19MA	● 24MT	● 29NM	● 32ND	● 36PA(W)	● 41TX(N)	● 44VA	● 49AK	



1. FIVE MICROBURSTS in SIOUX FALLS, SOUTH DAKOTA on July 6, 1982

A severe thunderstorm produced a series of five microbursts over Sioux Falls on July 6th. The microbursts, A through E on the map below, caused extensive damage. Winds were estimated to have reached 125 MPH, and a peak gust of 82 MPH was recorded by the National Weather Service at the airport. Damaging winds also occurred north-east of Sioux Falls at Corson and Garretson (inset). ---Mapping by Jerry McDuffie and Richard Ryrholm, NWSFO Sioux Falls, South Dakota.

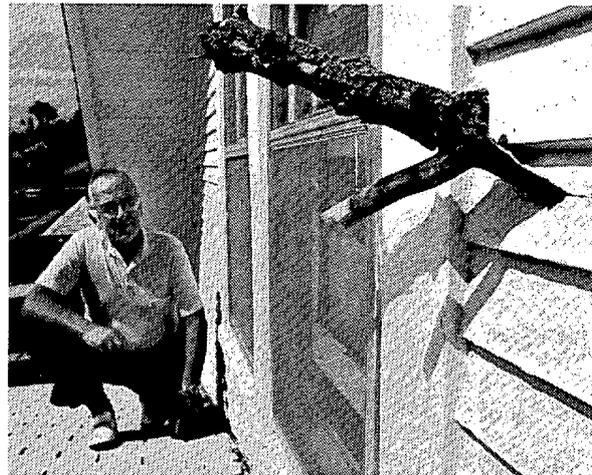


Two semi-trailer trucks blown onto their sides on Cliff Avenue. ---Photo by Lloyd Cunningham, Sioux Falls Argus Leader.

MICROBURSTS in SIOUX FALLS ---- Continued



12 feet of sidewalk lifted by the root system of a fallen tree. ---Photo by Paul Horsted.



A limb driven by the microburst wind into the siding of a house. ---Photo by Lloyd Cunningham.



A collapsed billboard with steel I-beam supports which were twisted and bent over. ---Photo by Ellen Hamilton.



One of three planes which were flipped over at Sioux Falls Municipal Airport. ---Staff photo.

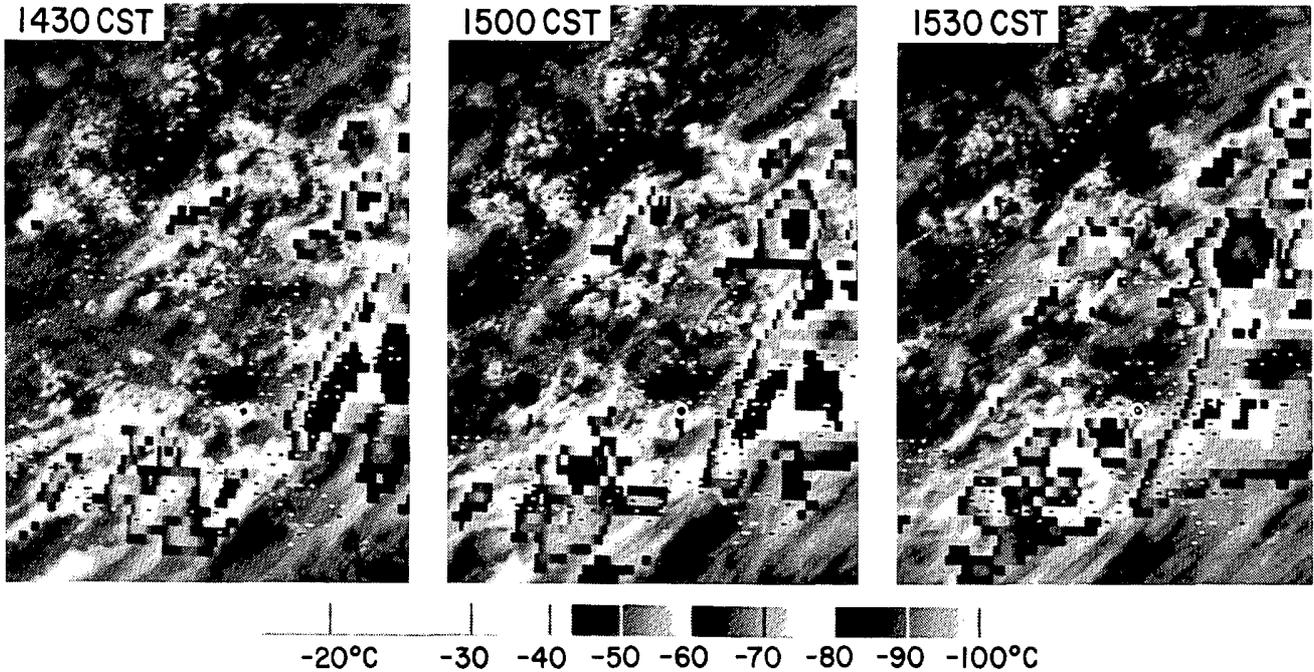


A warehouse blown apart at Sutherland Lumber on Cliff Avenue. Winds scattered the lumber throughout the yard area. ---Photo by Lloyd Cunningham.

---All photos from the Sioux Falls Argus Leader; photographers as noted.

2. THUNDERSTORMS over NEW ORLEANS, LOUISIANA on July 9, 1982

Three satellite pictures below show thunderstorms over eastern Louisiana and southwestern Mississippi when a Pan American Jet crashed near New Orleans International Airport, shortly after 1500 CST on July 9th. The pictures, taken at 1430, 1500 and 1530 CST, were enhanced by superimposing infrared clouds (colder than -43°C) upon visible clouds. The cloud top temperature over the airport decreased from -40°C (1430 CST) to -65°C (1530 CST) within one hour. ---Photo supplied by James Gurka, Satellite Applications Laboratory, Office of Research and Applications, NESDIS.



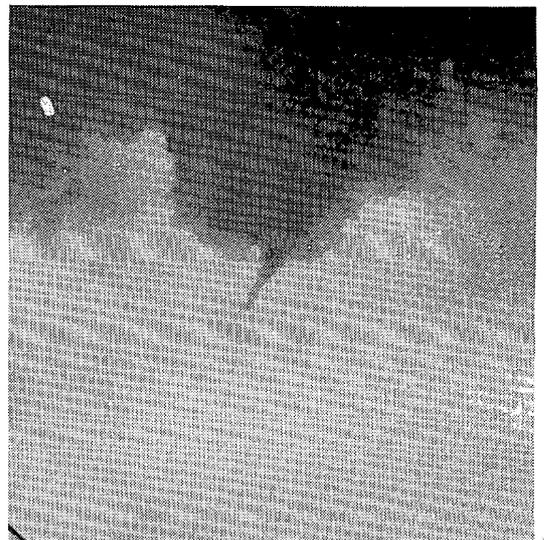
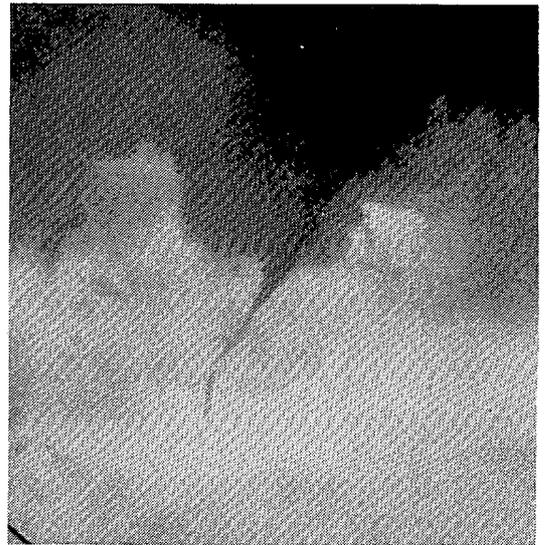
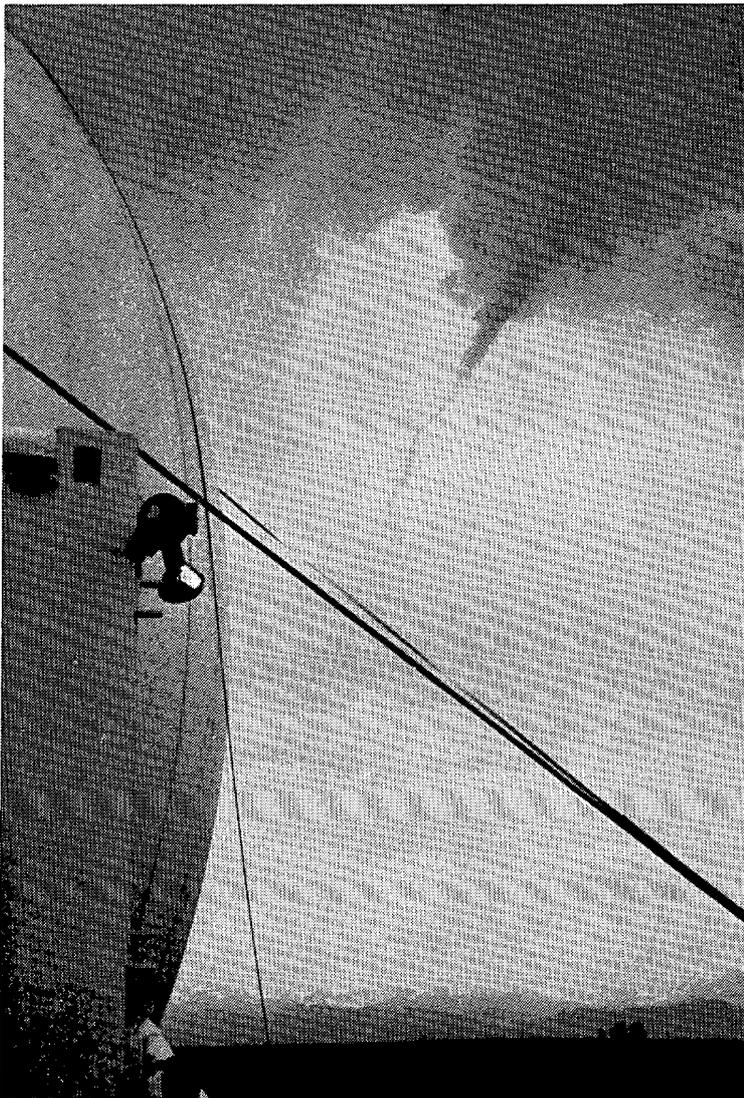
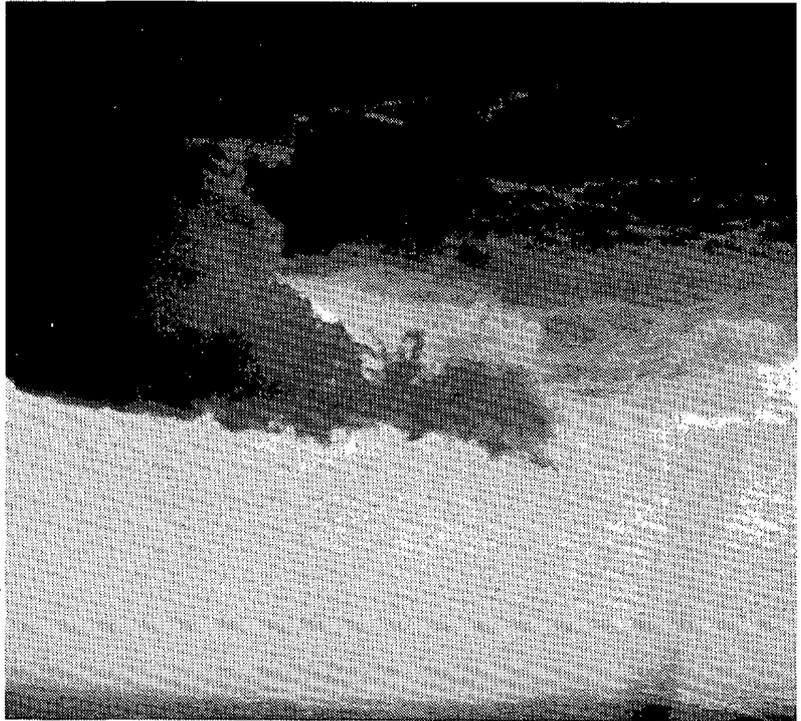
3. BLOWING DUST in a MICROBURST east of DENVER, CO. on July 14, 1982

In the picture below, a strong outburst of surface winds is depicted by a ring of blowing dust which was induced by a microburst. The microburst, only one to two minutes old when the picture was taken (1405 MST), had spread out rapidly and dissipated within 10 minutes. ---Photo by T. T. Fujita, University of Chicago.



4. WALL CLOUD and FUNNEL CLOUD near DENVER, COLORADO on July 14, 1982

A funnel cloud dipped down from a rotating wall cloud (right) which was photographed northwest of Denver on July 14th from a University of Wyoming Research Aircraft. 13 pictures, 3 of which are shown below, were taken between 1308 and 1313 MST from the CP-2 Doppler radar site 15 miles north of Denver. They show the funnel cloud as it passed near the radar dome, with the snow-covered Rocky Mountains in the background. Note that two fine rope-shaped funnels were twisting around each other. ---Photo (right) by T. T. Fujita, University of Chicago. Photos (below) by Warren Campbell, NASA Marshall Space Flight Center.



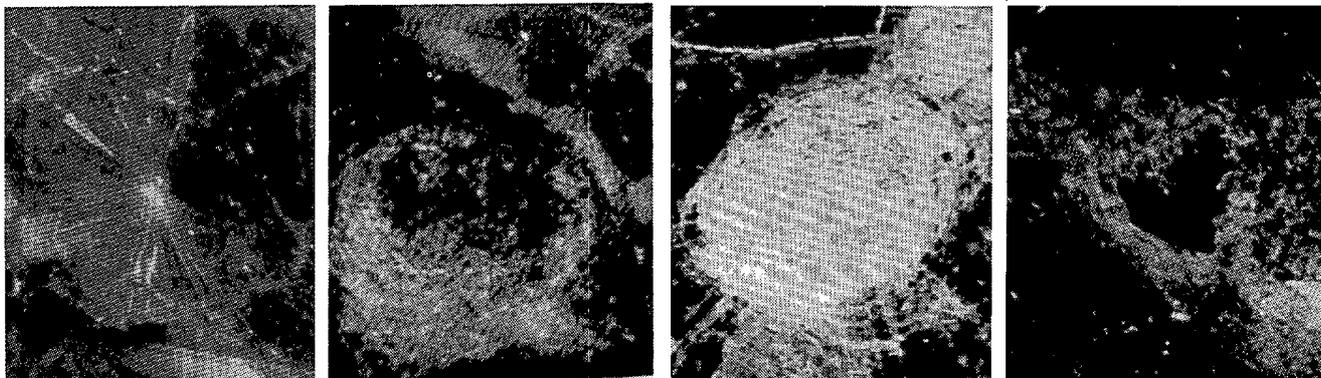
5. LARGE HAIL over BOISE CITY and KENTON, OKLAHOMA on July 9, 1982



Golf ball size and even larger hail fell in and near Boise City and Kenton, OK on July 9th. Although there were no reported injuries, numerous homes and cars were damaged.

At left, a man displays one of the hailstones which pelted his car causing \$3,000 damage.

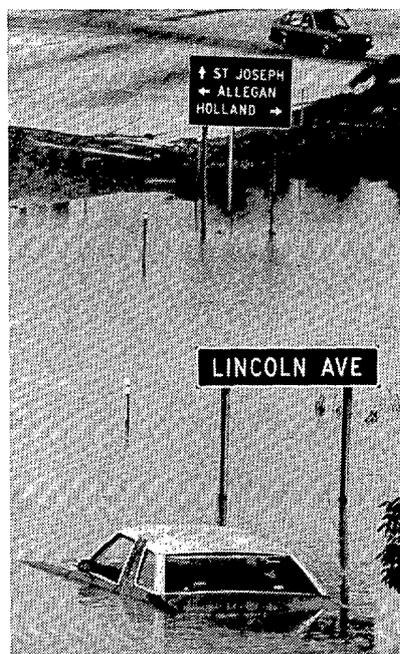
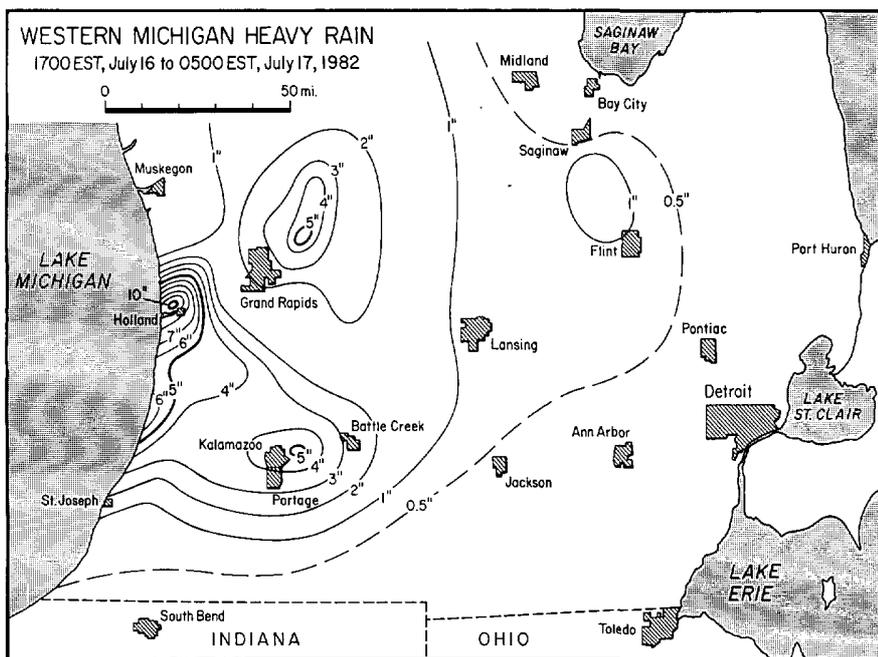
Below, enlargements of the windshield show impact craters made by small hail (left) to progressively larger stones which smashed through it (right).



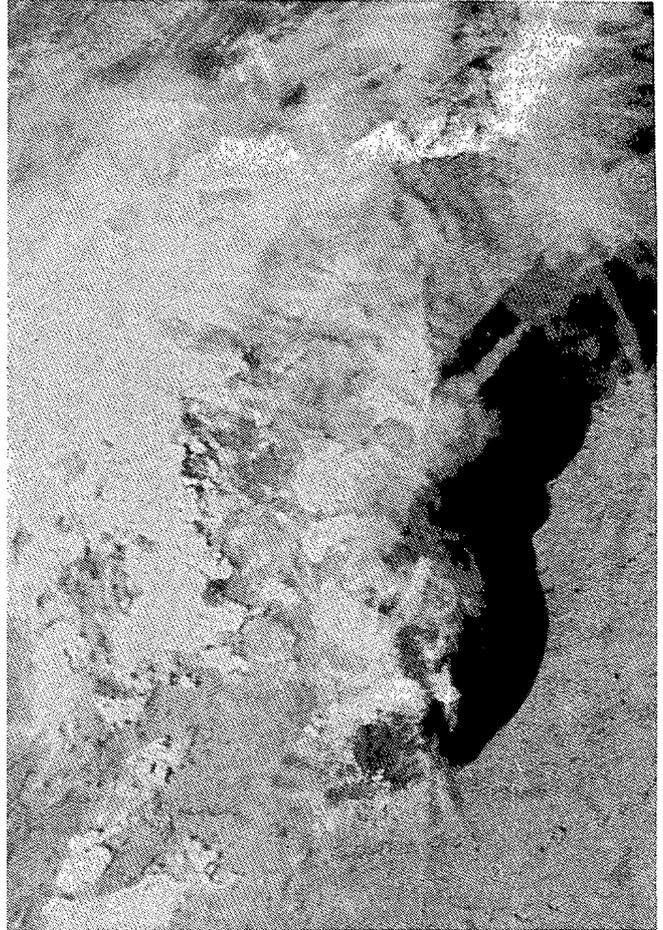
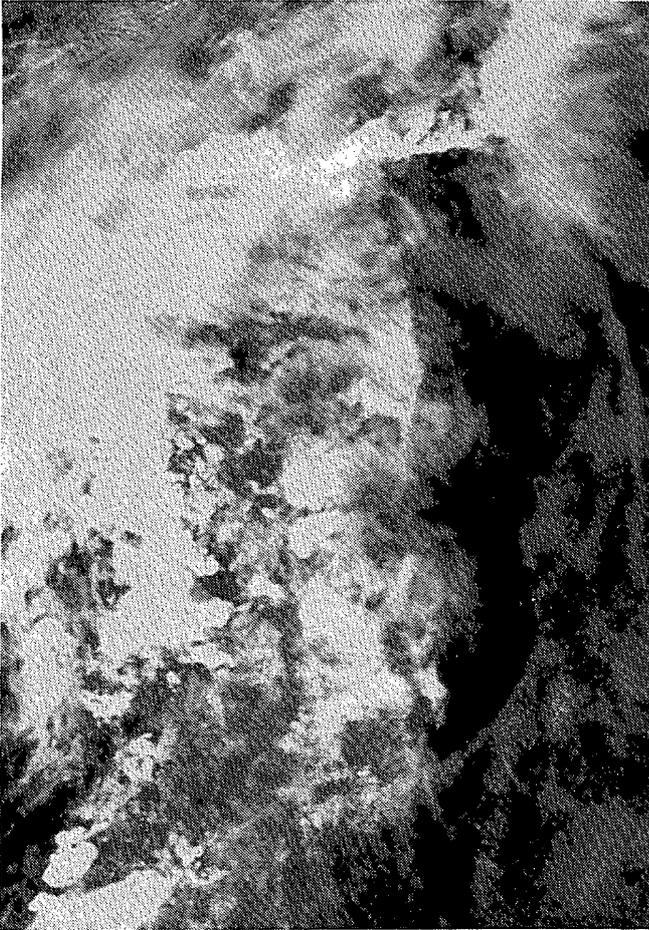
---Photos supplied by Neal Marchbanks, NWSFO Oklahoma City, Oklahoma.

6. HEAVY RAIN over WESTERN MICHIGAN on July 16-17, 1982

Heavy rain which began in the evening of July 16th produced flash floods in western Michigan in the early morning of the 17th. Up to 10.63 inches of rain fell near Holland where 5 feet of water covered some roads. ---Rainfall data supplied by Jack Cooley, NWS Grand Rapids, Michigan. Photo by Mark Copier, Holland Sentinel.



7. RAINSTORMS over WISCONSIN and ILLINOIS on July 21, 1982



Rainstorms produced 2 to 4 inches of rain in western Wisconsin on July 21st. Heavy amounts also fell in portions of northeast Illinois. The heavy rains from these storms caused widespread flooding in both areas. The satellite pictures on this page show features of the storm system at about 1300 CST on July 21st.

UPPER LEFT: A visible picture shows storm clouds to be very bright.

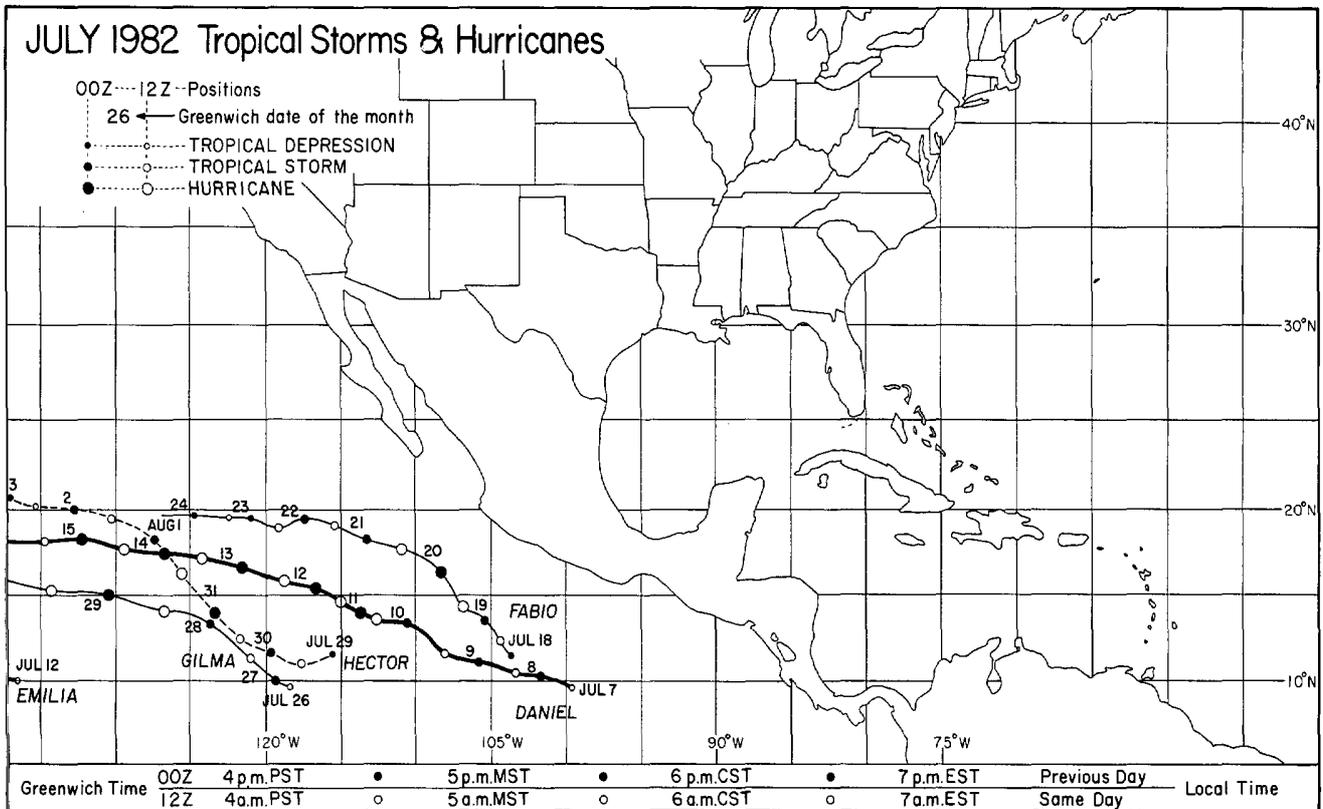
UPPER RIGHT: A near infrared picture shows white storm clouds with the lake appearing very dark in the background.

LOWER LEFT: In this picture, a visible minus infrared image produced by computer, the thin high clouds are suppressed while storm cloud-tops are enhanced and appear very bright.

---Photos supplied by John Pritchard, NESS.

TROPICAL STORMS AND HURRICANES

Although there were no tropical storms or hurricanes over the Atlantic during July, there were 5 tropical storms over the Pacific, 4 of which became hurricanes. ---Track information supplied by NWS Redwood City, California.



STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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									
Lexington Area, Lauderdale County	05	0330CST			0	0	4	0	Lightning
	Twenty-three head of cattle were killed when the tree under which they were standing was struck by lightning. Marble size hail was also reported in the area.								
Loxley, Baldwin County	05	1405CST			0	0	3	0	Wind
	Thunderstorm winds damaged some stores and an automobile windshield.								
Foley area, Baldwin County	06	1605CST			0	0	4	0	Wind
	Thunderstorm winds tore the roofs off two hangars and damaged an automobile at the Eastman Airport 2 miles west of Foley. The winds were clocked at 55 mph at the airport.								
Mobile area, Mobile County	06	1615CST			0	0	4	0	Thunderstorm
	Thunderstorm winds caused extensive damage in the area around the Alabama State Docks. A dry dock was broken free from its moorings and blown across the river where it struck a ship docked at Pier 4 and ripped a hole in the ship above the water line. Other damage included 3 mobile homes blown over, damage to a solar unit on top of one building and a skylight knocked out of another building. The storm was also apparently the cause of a minor crude oil spill on the east side of the Mobile River across from the State Docks. The driving rain caused several offices in the Administration Building to be flooded. About 2,000 Alabama Power Company customers lost power because of downed trees, limbs and lightning.								
Mobile area, Mobile County	06	1622CST							Funnel Cloud
	Witnesses reported a funnel cloud about 7 miles northeast of Bates Field that receded into the clouds.								
Southwest Jefferson County	11	1400CST	1 1/4	30	0	0	3	0	Tornado (F1)
	Apparent mini tornado touched down 1 1/2 miles north of Tuscaloosa-Jefferson County line on County Road 36 south of Johns in Jefferson County. Trees were uprooted and snapped off and several fell across the road.								
Marshall County	12	0100CST			0	0	4	0	Lightning
	A fire, that resulted from a lightning strike, destroyed a home in the Scant City area.								
Baldwin County Coastal Waters	14	1020CST							Waterspout
	A pilot reported a waterspout about 2 miles offshore, 5 miles west of Gulf Shores.								
Mobile area, Mobile County	16	1650CST			0	0	3	0	Wind
	Thunderstorm winds blew the roof off a large metal building in west Mobile.								
Pleasant Grove, Jefferson County	20	1630CST			0	0	4	0	Wind
	Two homes were damaged by falling trees and uprooted trees blocked some roads as a severe thunderstorm moved over the area. Power lines were also downed. About 3,000 customers lost their electrical service during the storm.								
Baldwin County Coastal Waters	21	0825CST							Waterspout
	An off-duty meteorologist reported a waterspout just off shore 5 miles east of Fort Morgan.								
Montgomery, Montgomery County	21	1450CST			1	1	0	0	Lightning
	One person was killed and another knocked unconscious by a lightning bolt that struck while they were under a large tree where they had sought shelter from the storm. The two workers were employed by the cemetery at which the tragedy occurred. They had spotted the approaching storm, and the survivor said that they had said their prayers as they sought shelter underneath the tree. Scraps of the victim's clothing were reported to have been blown 30 feet by the lightning bolt. An officer at the scene was quoted as saying, "the victim's clothes were just blown off of him."								
Jefferson County	21	1800CST			0	0	5	0	Thunderstorm
	A severe thunderstorm hit mainly the east and south part of the county from around Cahaba Heights to the Ensley area. Strong winds damaged roofs and downed trees and utility lines. About 83,000 customers lost electrical service due to the storm and an estimated 300 to 400 trees were downed. The falling trees damaged some homes and automobiles. Several apartment units on Red Mountain suffered extensive roof damage and one TV station on the mountain was off the air for about 3 hours due to the power failure. More than 2 inches of rain fell during the storm and caused some local flooding. Water entered the basement of at least one home.								
ALABAMA									
Cullman County	22	1200CST			0	0	4	0	Wind
	Thunderstorm winds caused considerable damage along a path about 2 miles wide from around New Hope to Holly Pond in eastern Cullman County. One home was unroofed and the roof was scattered in a nearby field. Other homes were reported to have been damaged by the winds and falling trees. A shed under construction was blown down across a truck parked underneath the structure. Some chicken houses were severely damaged and several trees were downed. One road in the New Hope area was blocked by a fallen tree.								
Birmingham, Jefferson County	22	1230CST			0	1	0	0	Lightning
	One man was slightly injured by a lightning strike while walking across a parking lot.								
Oak Mountain State Park, Shelby County	22	1245CST			0	1	0	0	Lightning
	A park employee was injured by lightning while returning from the parking lot where she had gone to close the windows of her car. The lightning was reported to have struck a tree some 30 feet away from the victim and the charge passed through the ground to her. The current stopped her heart and her breathing. A golfer who was in the area immediately applied mouth to mouth and cardiopulmonary resuscitation and revived the victim.								
Arab, Marshall County	22	1300CST			0	0	4	0	Lightning
	A fire that resulted from a lightning strike destroyed a mobile home.								
Gadsden area, Etowah County	22	1325CST			0	0	4	0	Lightning
	A fire that resulted from a lightning strike destroyed a home.								
Paint Rock area, Jackson County	22	1400CST			0	0	2	0	Tornado (F0)
	A twisting and very active funnel cloud from a solid base cloud was observed by 3 adults for several minutes moving from west to east. When it passed overhead, an oak tree around 3 feet in diameter was blown across a power line and into the front porch of a home. The people that observed the funnel thought that it was too high to cause any damage and were surprised when it tore up the tree within 20 feet of their location. The tree was the only one in the grove that was damaged and the witnesses also reported that no thunder was heard. The total radius of damage was around 50 feet.								
Athens area, Limestone County	28	1930CST			0	0	4	0	Thunderstorm
	A fire that resulted from a lightning strike destroyed a barn and all of its contents. Lightning also struck 2 homes. Some paneling was knocked loose and 2 television sets were burned up in one home. The storm was described by area residents as, "one of the worst electrical storms in years". Power outages were widespread. Heavy rains were blamed for the collapse of part of a church roof.								
Loxley area, Baldwin County	28	2130CST			0	0	4	0	Wind/Lightning
	Thunderstorm winds blew over a vacant mobile home in the Loxley area. Lightning also was reported to have caused several power outages in Baldwin County.								
Roanoke area, Randolph County	29	1600CST			0	0	*3	C	Flooding
	Water entered the basement of one home and also entered one business as a thunderstorm dumped heavy rain. Traffic was blocked for several hours on one street as the flood waters pushed metal culverts out from under the street and washed out large chunks of the asphalt. Part of one garden was washed away. Water was reported up to 3 feet deep in the yards of some homes but did not reach into the living area of any of the water surrounded houses.								
Birmingham area, Jefferson County	31	1730CST			0	0	3	0	Flooding
	Slow moving thunderstorms dumped up to 5 1/2 inches of rain on the western part of Birmingham in a 2 hour period. Considerable drainage flooding occurred in a narrow band from Ensley to near the downtown area of Birmingham. Water entered some basements and several cars were stranded in water above floor board depth. Most of the flood damage was reported as minor.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
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2 ARIZONA

Kearny Pinal County	22 1700MST	0 0 5							Wind, Flooding
A severe thunderstorm with winds 60 to 70 MPH and 2 inches of rain did considerable damage to this small community. More than 100 homes were flooded, power lines and trees were knocked down, roofs torn off and windows blown in.									
Tucson Pima County	22 1700- 1800MST	0 0 6 0							Wind, Flooding, Lightning
A large violent thunderstorm with winds 60 to 70 MPH, very heavy rain and local 1 inch diameter hail spread extensive damage throughout the city especially over the west and north sides. Numerous buildings were hit by lightning. One TV station antenna was hit 20 times in 10 minutes. High winds knocked over structures, trailers, numerous power lines and blew in store windows. Many commercial buildings and houses were severely damaged. Flooding of streets was widespread. Total damage was put at about \$2,000,000.									
Florence Pinal County	22 1800MST	0 0 5 0							Wind
A thunderstorm with winds up to 60 MPH did moderate damage to homes, power lines and trees.									
Tempe Maricopa County	22 1900MST	0 0 5 0							Wind
A thunderstorm with winds up to 60 MPH did some damage to homes, power lines and trees.									
Greer Apache County	23 1210MST	1 0 0 0							Lightning
A man was killed instantly when he was struck by lightning while fishing in a small boat on nearby Lake Tunnel. Another man in the same boat was not affected.									
Saguaro Lake Maricopa County	23 1700MST	1 0 0 0							Lightning
A man was struck and killed by a bolt of lightning while standing on a boat ramp.									
Greater Phoenix Area Maricopa County	23 1700- 1730MST	0 0 5 0							Wind
A thunderstorm with winds 55 to 60 MPH rolled across the valley from east to west and did some damage to roofs, power lines and trees.									
Kingman Mohave County	23 1730MST	0 0 5 0							Wind
An intense thunderstorm destroyed two large mobile homes at Golden Valley, about 10 miles west of Kingman. There was some damage to other mobile homes, houses and power lines.									
Dateland Yuma County	23 2130 MST	0 0 4 0							Wind
A thunderstorm with winds over 60 MPH swept through this very small community producing minor damage to buildings and power lines.									
Bullhead City Mohave County	26 Afternoon	0 0 4 0							Wind
Strong winds gusting to more than 60 MPH during a heavy thunderstorm caused minor damage at Katherine Landing on Lake Mohave.									

3 ARKANSAS

Pulaski County	01 1320CST	- - 0 0 4 0							Severe Thunder- storm
Hail $\frac{1}{2}$ " diameter and 60 MPH winds were reported from the western section of Little Rock. Some roof damage resulted from the strong winds. Also lightning from the same storm started a house fire causing major damage.									
Garland County	01 1330CST	- - 0 0 3 0							Wind
Strong winds from a thunderstorm uprooted small trees and caused minor roof damage to a residence 10 miles north of Hot Springs.									
Baxter County	01 1420CST	- - 0 0 5 0							Wind
Winds estimated between 60 and 100 MPH struck the towns of Cassville and Cotter. Extensive damage done to utility poles and wires. Four automobiles were damaged by falling trees. In all, 50 large trees were uprooted in the general area of the two communities.									
Saline County	01 1430CST	- - 0 0 2 0							Wind
A barn was unroofed by strong winds in the Shaw Community.									
Saint Francis County	01 1600CST	- - 0 0 3 0							Wind
Strong winds damaged power lines in Forrest City, cutting off electrical service to 1500 homes and businesses.									
Cross County	01 About 1630CST	- - 0 0 0 0							Funnel Clouds
Two funnel clouds were reported in the vicinity of Wynne.									

— ARKANSAS

Cross County	01 1645CST	- - 0 0 1 ?							Heavy Rain
Localized flooding occurred in Wynne after 3.68 in. of rain fell in a 45-minute period. Some power lines were downed.									
Jefferson County	01 2015CST	- - 0 0 3 0							Lightning
Lightning struck an electrical panel at the Municipal Softball complex. The small fire that resulted caused damage to electrical equipment.									
Randolph County	03 1955CST	- - 0 0 0 0							Funnel Cloud
A funnel cloud was reported by the public in Pocahontas.									
Fulton County	09 0830CST	- - 0 0 5 0							Heavy Rain
Rainfall of 4.25 inches caused localized flooding in Mammoth Spring. The water washed out the gravel from a railroad track bed. Three box cars and one locomotive were derailed. Five thousand gallons of diesel fuel were dumped into the Spring River. All the canoes at a rental business were washed down river.									
Faulkner County	10 about 1600CST	- - 0 0 4 0							Lightning
A total of 35 dairy cows were killed by lightning from two different strokes.									
Yell County	15 0335CST	- - 0 0 ? ?							Flooding
Localized flooding from heavy rains was reported at Danville. Also, trees and poultry houses were damaged in neighboring Belleville by strong winds.									
Pulaski County	15 1300- 1330CST	- - 0 0 4 0							Severe Thunder- storm
Strong thunderstorm with 62 MPH gusts moved through the county causing widespread power line damage and uprooting trees. A tree fell over a truck parked in downtown Little Rock. About 1700 customers lost electrical service.									
Columbia County	16 1700CST	- - 0 0 3 0							Wind
Strong winds from a thunderstorm uprooted several trees, one of them falling on top of an automobile 5 miles north of Magnolia.									
Boone County	22 1100CST	- - 0 0 4 ?							Thunderstorm
A heavy thunderstorm produced strong winds that damaged 2 mobile homes and destroyed one metal building. Some localized flooding occurred along the Dry Jordan Creek.									
Independence County	22 1137CST	- - 0 0 ? 0							Wind
Strong winds from a thunderstorm produced widespread damage to power lines in the county. In Batesville, 17,000 homes and businesses were left without electrical power. Winds of 50 MPH were reported over Oil Trough in the southeast section of the county.									
Jackson County	22 1200CST	- - 0 0 5 0							Wind
The University of Arkansas Experiment Station in Newport lost the roof on two buildings with extensive damage to the roof on 4 other buildings. One small car was blown 30 yards onto a field. Three portable cattle feeders were tumbled. Two grain storage buildings were blown over. Three cars were damaged in Newport.									
Faulkner County	22 1300CST	- - 0 0 ? 0							Wind
Falling tree limbs caused widespread power failures in Conway.									
Pope County	22 1303CST	- - 0 0 ? 0							Wind
Power lines and trees were blown down by strong winds from a thunderstorm, causing damage to some homes from falling trees.									
Garland County	22 1330CST	- - 0 0 0 0							Funnel Clouds
A funnel cloud was reported in Hot Springs.									
Pulaski County	22 1400- 1630CST	- - 0 0 ? 0							Severe Thunder- storms
Strong thunderstorms moved through the county blowing down trees and power lines. The North Little Rock Police Department radio was off the air for 45 min. due to lightning. The Little Rock Forecast Office received 2.30 inches of rain in 30 minutes. A large tree blocked Colonel Glenn Road near the Saline-Pulaski County line. Minor wind damage reported in the Crystal Hill area.									
Union County	22 about 1700CST	- - 0 0 3 0							Wind
One residence received minor wind damage. Electrical and cable television services were disrupted in parts of El Dorado.									
Garland County	28 1300CST	- - 1 0 0 0							Lightning
A 17 year old boy was killed by lightning in Hot Springs as he was crossing the yard going towards the house from the tool shed. He had just finished mowing the lawn.									

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					KILLED	INJURED	PROPERTY	CROPS	
— ARKANSAS									
Mississippi County	28	about 1500GST	-	-	1	0	0	0	Lightning
									A man was found dead lying next to a tractor just outside of Joiner, in the southern end of the county. There had been some thundershowers in the area, according to weather radar reports; but no one witnessed the unfortunate mishap.
Sebastian County	29	1217GST	-	-	0	0	4	0	Lightning
									Lightning started a house fire which consumed 4 rooms and part of the roof of a Fort Smith residence.
Washington County	29	1330GST	-	-	0	0	3	0	Heavy Rain
									Two inches of rain in one hour in Springdale caused street flooding in parts of town. Highways U.S. 71 and Arkansas 68 were flooded over some sections for one hour. A metal awning and a wooden fence were blown over by strong winds, also.
Drew County	29	1530GST	-	-	0	0	?	?	Heavy Rain
									Street flooding with some homes inundated in Monticello after 2.77 inches of rainfall. Overflow came from the Ten Mile Creek.
Little River County	30	1310GST	-	-	0	0	5	0	Lightning
									A home was burnt to the ground after lightning hit the television antenna at Jack's Isle.
Sevier County	30	about 1500GST	-	-	0	0	4	0	Lightning
									Fourteen head of cattle were killed along a wire fence by lightning on a farm near DeQueen.
Monroe County	30	1615GST	-	-	0	0	0	0	Funnel Clouds
									Three funnel clouds were seen by Sheriff Deputies in the eastern end of the county.
Ashley County	31	1515GST	-	-	1	0	?	0	Wind
									Several workmen were constructing a cinder block building in Crossett, when a wind gust from a thunderstorm collapsed two 13-ft. high walls, crushing one of the men to death. Others remained uninjured. Apparently the cement had not had enough time to set by the time the gust reached the construction site.
4 CALIFORNIA, Northern									
Red Bluff (Tehama County)	2	1530PST 1615PST					0	3	Hail
									Hail up to one inch in diameter was reported 5 miles east of Red Bluff. Some damage to wheat and corn crops was reported. Hail up to 1/4 inch in diameter was reported at the airport. No property damage was reported.
4 CALIFORNIA, Southern									
Mono County	25	unknown							Heavy Thunderstorm and Heavy Rain
									Benton Crossing Road was closed for a time, when parts of it was washed out during flooding.
Inyo County	25	Afternoon							Heavy Thunderstorm and Heavy Rain
									Three local roads were shut down for a time, due to flooding caused by a sudden heavy thunderstorm.
San Bernardino County	25	1700PST							Heavy Thunderstorm and Heavy Rain
									A mobile home near Twenty-nine Palms was washed away, during flash flooding. Reported by a San Bernardino newspaper.
Riverside County	26	1423PST							Heavy Thunderstorm and Heavy Rain
									A severe thunderstorm with heavy rain was reported at Blythe, Ca.
5 COLORADO									
Northeastern Fthls.	1	aftn, eve.			0	0	0	0	Hail
									Severe thunderstorms dropped large hail in Denver, Boulder, Commerce City, Lakewood, Wheat Ridge, Estes Park, Golden, and Arvada. Most sopts had stones 3/4 to 1 1/2 inch in diameter.
Baca County	7	1800-1900MST			0	0	3	?	Severe Thunderstorm
									A thunderstorm stalled over Baca County and dumped 6 inches of Rain in Walsh in just 45 minutes. 2 inches fell at Pritchett. Basements were flooded in Walsh; large hail fell in several spots near the town, breaking a few windows and unroofing one building.
Yuma County	8	1600MST			0	0	0	4	Heavy rain, hail
									An inch of rain fell in 10 minutes near Idalia, and hail caused crop damage.
Kit Carson Cy.	8	1825MST	1	100	0	0	0	0	Tornado (F1)
									A tornado was spotted 15 miles north of Cheyenne Wells, moving southeast. it was accompanied by heavy rain and hail.
Cheyenne County	8	1900MST			0	0	0	?	Svr. thunderstorm
									A thunderstorm dumped heavy rain and hail in Cheyenne Wells; winds were estimated at 60 to 70 mph.
Kit Carson County	9	0735MST			0	0	3	0	Heavy rain
									5.25 inches of rain fell 6 1/2 miles south of Burlington. Some side roads were washed out.
Jefferson County	9	1310MST	1/4	50	0	0	0	0	Tornado(F1)
Jefferson County	9	1310MST	1/4	50	0	0	0	0	Tornado(F1)
									Two small tornadoes were spotted east of Rocky Flats.
Adams County	9	1410MST	1/4	50	0	0	0	0	Tornado (F1)
									A tornado touched down briefly 5 miles east of Brighton.
Kiowa County	9	1512-1745MST	1 1/2	50	0	0	3	3	Tornado (F1)
									A tornado was reported 9 miles north of Brandon. It was on the ground for about 5 minutes and hit a vacant farm, knocking down outbuildings and lifting a stock tank 300 feet into the air. Property damage was \$3000, with \$2000 damage to wheat.
Kiowa County	9	1515MST	1	50	0	0	0	0	Tornado, hail (F1)
									A tornado touched down 2 miles north of Sheridan Lake; golfball size hail fell 6 miles north of the town.
Yuma County	9	1600MST			0	0	0	4	Hail
									Hail damaged crops about 20 miles north of Wray.
Cheyenne County	10	1400MST			0	0	0	4	Hail
									Wheat was damaged 12 miles north of Cheyenne Wells.
Eastern Colorado	11	afternoon			0	0	3	6	Heavy rain, hail
									Thunderstorms battered extensive areas of Eastern Colorado; Logan, Washington, Yuma, Kit Carson, and Cheyenne counties were hardest hit. Hail did over a million dollars worth of damage to crops between Otis and Cope; golf ball size hail at Merino did heavy damage to wheat, corn, and beans. At Seibert, 8 inches of rain fell, wiping out 160 acres of barley and corn. Hail piled up 8 inches deep at Kit Carson, and heavy rain washed out a few local roads. Golfball size hail near Wild Horse destroyed 200 acres of wheat. 50 to 60 mph winds blew at Sterling and , early in the evening, at Castle Rock in Douglas county. Nearby, 2 to 3 inches of hail piled up at Larkspur and Parker.
Weld County	12	evening			0	0	0	5	Hail
									Severe hail damage to wheat occurred in northeastern Weld county. Golfball size hail piled up 4 inches deep 25 miles northeast of New Raymer, and an inch of rain fell in the area.
Park County	13	1545MST			0	0	0	0	Hail
									3/4 inch hail fell 15 miles southwest of Fairplay.
Lincoln County	13	1610MST	1	75	0	0	0	0	Tornado (F1)
									A tornado touched down in a wheat field 2 miles north of Genoa.
Lincoln County	13	1613MST	1/2	50	0	0	0	0	Tornado (F1)
									A tornado was sighted 3 miles northwest of Genoa by the NWS radar operator at Limon.
Lincoln County	13	1630MST			0	0	0	0	Hail
									Golfball size hail fell just north of Genoa, along with heavy rain.
Douglas County	13	1940-43MST	1/2	50	0	0	0	0	Tornado (F1)
									A tornado touched down south of Parker, moving SSE.
Gunnison County	13	2224MST			0	0	0	0	Hail
									3/4 inch hail fell near Gunnison.
Logan, Washington Counties	14	1615-30MST, evening			0	0	3	5	Hail
									In the afternoon, hail damaged wheat 15 miles east of Sterling, and crops were also damaged by hail in Anton. Later in the evening, golf ball size hail near Sterling wiped out a lot of wheat; corn and beans were also damaged. Several travel trailers in a campground were dented.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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	

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

Denver, Aurora	15 1257-1310MST	0	0	3	0	High winds			
	Winds gusted to 60 mph at Stapleton Airport, and strong gusts blew down walls at a construction site in Aurora; a tree was uprooted nearby.								
Larimer County	15 morning	4	0	7	0	Flash flood			
	A dam at Lawn Lake in Rocky Mountain National Park burst, sending a wall of water down the Roaring River and through the heart of Estes Park. Four campers were washed away in the park, and Estes Park was devastated as the muddy water raced through town several feet deep. Roads were washed out, and a few buildings and many cars were swept away. Much of the \$21 million in damage was caused by mud, which piled up deeply in many homes and businesses left otherwise intact by the floodwaters. Although weather was not a direct cause of the flood-the dam that burst was in substandard condition before the disaster-unusually heavy snowmelt runoff had filled Lawn Lake to capacity, increasing pressure on the dam.								
Weid County	25 1318-33MST 2 1/2	50	0	0	0	Tornado (F1)			
	A tornado was spotted 5 miles east of Wellington, and moved east southeast to a point north of Pierce.								
Weid County	26 1709MST 1	50	0	0	0	Tornado (F1)			
	A tornado touched down briefly about 20 miles NE of Brighton.								
Weid County	26 1832MST 1	50	0	0	0	Tornado (F1)			
	A tornado was spotted about 8 miles northwest of Briggsdale.								
Eastern Colorado	26 aftn, eve.	0	0	4	0	Thunderstorms, Heavy rain			
	Heavy rain drenched many areas. Amounts of 2 to 4 inches fell in Larimer, Weld, Pueblo, Kiowa, Lincoln, and Washington counties. 1.22 inches fell in 30 minutes at Fort Collins; street flooding plagued the city, and also occurred in Greeley, Canon City, and Sheridan Lake. Roads were damaged in several counties. A utility pole was blown down in Security, just south of Colorado Springs, and a house in that town was damaged by lightning. 2 inches of hail fell in Rye, southwest of Pueblo.								
Montrose County	27 late aftn, eve.	0	0	5	5	Heavy rain, floods			
	A cloudburst on the Uncompahgre plateau produced 2 1/2 inches of rain in 45 minutes, and sent Coal and Dry Creeks out of their banks west of Montrose; 4 bridges were washed out and 10 others damaged as floodwaters affected an area 10 miles long. About 25 farms were damaged in the worst flooding the area had experienced in 70 years. Damage to crops, farm equipment, roads, and other property was estimated at \$500,000.								
Eastern Foothills	27 late aftn, eve.	0	0	4	4	Heavy rain			
	Heavy rain doused the eastern foothills for the second straight day. 1 1/2 to 3 inches of rain fell in Larimer, Weld, Boulder, Pueblo, and El Paso counties, with street flooding in Fort Collins, Boulder, and Pueblo. 3 roads were washed out in Colorado Springs, and vegetable and hay crops were damaged near Pueblo. Street flooding was especially bad in Boulder and Pueblo; in the latter city water up to 5 1/2 feet deep closed Interstate 25 for a while.								
Eastern Foothills and Mountains	28 aftn, eve.	0	0	5	0	Heavy rain			
	The latest episode of heavy rain damaged US highway 50 in Fremont county near Coal Dale; washed out a bridge near Colorado Springs; and washed out US 40 near Dinosaur in extreme northwest Colorado. Flooding also occurred in Chaffee county, and Fountain Creek overflowed south of Colorado Springs. Downpours occurred all along the foothills from Colorado Springs north to the Wyoming border. 2.75 inches fell in an hour in one section of Colorado Springs; 2 1/2 inches drenched an area just southwest of Denver in only 30 minutes.								

6 CONNECTICUT

Naugatuck	28 1710EST 2 1/2	150	0	0	5	0	Tornado(F1)		
	A tornado damaged several houses in the Village Circle area of Naugatuck and in the Holliday Hills section of Prospect. The second story of a house under construction was partially destroyed and an attached garage was completely wrecked. Residents interviewed by the National Weather Service reported seeing a funnel and hearing a roar.								
Roxbury	28 Eve.	0	0	2	0	Lightning			
	Two houses were struck sustaining chimney and roof damage.								

7 DELAWARE

Bethany Beach	20 1135EST	0	0	3	0	Wind, Hail, Rain			
	An intense thunderstorm lashed the area, bringing wind-driven hail and locally heavy rain. Some trees and electrical lines were blown down..and hail broke windows in a few homes and autos.								

8 FLORIDA

Sarasota County	02 1400EST	-	-	0	0	4	0	0	Wind
	High winds from a thunderstorm damaged the John E. Davis Memorial Stadium at Venice High School, Venice, Florida. Two light poles were broken off resulting in \$20,000 damage to the poles, lights, press box and reserved seating.								
Brevard County	02 1605EST	-	-	1	0	0	0	0	Lightning
	A 20-year old man was killed when lightning struck an automobile against which he was leaning. Location was at Port Canaveral.								
Okaloosa County	04 1530CST	0.5	10.0	0	0	3	3	0	Tornado (F0)
	A small tornado touched down in a farming region near Garden City, about 7 miles north of Crestview, ripping off the roof of a barn, damaging the roof of a house, destroying a chimney and TV antenna. Debris from the barn caused several hundreds of dollars damage to a tomato field. Damage to the house was \$1,200 and \$1,000 to barn roof.								
Escambia County	04 1825CST	0.3	8.0	0	0	4	0	0	Tornado (F0)
	A tornado briefly touched down in the Pensacola Beach area tearing off the roof of a beach house. Damage was estimated at \$15,000.								
Dade County	05 1310EST	-	-	1	1	0	0	0	Lightning
	Lightning struck a tree killing one man and injuring another. They were on the Miami Springs Country Club golf course. When a thunderstorm approached they took shelter under the tree.								
Hillsborough County	08 1500EST	0.3	8.0	0	0	4	0	0	Tornado (F1)
	A tornado touched down in an industrial area near Tampa International Airport damaging the roofs of several small businesses, Destroying a two bay garage, and another building under construction. Estimated damage near \$40,000.								
Citrus County	09 1430EST	0.1	5.0	0	0	3	0	0	Tornado (F0)
	A tornado touched down briefly in the Green Acres subdivision of Homosassa Springs ripping off the roof of a mobile home, downing power lines and telephone poles. Damage to the home was \$3,000.								
Bradford County	12 1645EST	0.5	10.0	0	0	3	0	0	Tornado (F0)
	A tornado cut a half-mile swath along State Road 100 about 4 miles east of Lake Butler. Two utility sheds were destroyed, 20 trees felled and one power pole snapped off. Damage estimate was about \$800.								
Citrus County	13 1815EST	0.5	15.0	0	0	4	0	0	Tornado (F1)
	A small tornado touched down in Archwood Estates of Gospel Island near Inverness damaging the roof and siding of a 52-foot porch, several trees were knocked down damaging the roof of another house. Damage estimated at \$6,000.								
Columbia County	14 1500EST	-	-	0	1	2	0	0	Lightning
	A motorcyclist was struck by lightning 3 miles south of Ellisville. He was treated for burns on his legs and eyes and a ruptured eardrum. Damage to the motorcycle was \$100.								
Manatee County	16 1545EST	0.75	20.0	0	0	4	0	0	Tornado (F1)
	A small tornado touched down in Oneco causing damage to 4 mobile homes in Gulf Lake Mobile Estates and roof damage at Oneco Plaza shopping center. Several TV antennas were downed as well as shrubbery and small trees. Damage estimated at \$10,000.								
Polk County	19 1600EST	1.0	10.0	0	0	3	0	0	Tornado (F1)
	A small tornado ripped through Babson Park and Hillcrest Heights uprooting trees and power poles, stripping off a roof, and causing other roof damage due to fallen trees. Damage estimated at \$5,000.								
Polk County	20 1440EST	0.2	8.0	0	0	3	0	0	Tornado (F0)
	A small tornado knocked down 5 telephone poles and destroyed a utility shed just north of Mulberry causing a \$3,000 property damage.								
Polk County	22 1630EST	-	-	0	0	4	3	0	Wind
	High winds from a thunderstorm knocked over a tree onto two cars causing an estimated \$12,600 damage. Several trees in an orange grove were also uprooted that were worth \$800.								
Polk County	26 1700EST	0.1	5.0	0	0	4	0	0	Tornado (F1)
	A small tornado briefly touched down in Lake Wales ripping off the roof of a carport and damaging a Corvette. A porch roof was damaged when a heavy clothes line pole was picked up and thrown through the roof, and trees were uprooted breaking windows. All this happened to one mobile home while other surrounding homes were untouched. Damage estimated at \$12,000.								

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JULY 1982

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					KILLED	INJURED	PROPERTY	CROPS	
— FLORIDA									
Bay County	28	0200CST	0.2	10.0	0	0	3	0	Tornado (F0)
									A small tornado damaged the roof of a home north of Panama City, two metal utility sheds, and a fence. Damage estimated at \$1,500.
Bay County	29	0300CST	0.2	10.0	0	0	4	0	Tornado (F1)
									A small tornado ripped the roof and a porch off of a real estate sales building and toppled several palm trees in Sunnyside west of Panama City. Approximately \$20,000 damage was done to the building.
Polk County	31	2030EST	0.3	10.0	0	0	4	0	Tornado (F1)
									A tornado touched down at the Citrus Wood Mobile Home Park in Lakeland tearing off roofs and awnings and carports of 12 mobile homes. Total damage estimated at \$15,000.
9 GEORGIA									
Jackson County	04	1805EST			0	0	0	0	Wind
									Thunderstorm winds downed several trees in the southern part of the county.
Houston County	04	1900EST			0	0	3	0	Wind
									Thunderstorm winds downed several trees in various parts of the county. At least one home and one car were damaged by the falling trees.
Coffee County	04	2030EST			0	0	0	0	Wind
									Thunderstorm winds blew down several trees.
Jeff Davis County	04	2038EST			0	0	3	0	Wind
									Thunderstorm winds downed at least 21 trees near Hazlehurst. Falling trees damaged one farm building and a few power lines.
Appling County	04	2100EST			0	0	3	0	Wind
									Thunderstorm winds uprooted a pecan tree and heavily damaged a barn.
Clayton County	04	2241-2330EST			0	0	3	0	Hail, Wind, and Funnel Cloud
									Thunderstorms dropped hail up to one inch in diameter at 2241EST. Thunderstorm winds downed three large transmission poles and a street light on the southeast side of the Atlanta Airport at 2300EST. A funnel cloud was reported just south of Jonesboro at 2330EST.
Fulton County	04	2315EST			0	0	5	0	Lightning
									Lightning struck the South Fulton High School, causing a fire that destroyed the building.
Hall County	05	1818EST			0	0	0	0	Wind
									Thunderstorm winds blew down several trees in the northern part of the county.
Chatham County	07	1115EST			0	0	0	0	Waterspouts
									Several waterspouts were reported near Wassaw Sound moving north.
Glynn County	08	0938EST			0	0	0	0	Waterspouts
									Two waterspouts were reported near Jekyll and St. Simons Islands moving north.
Coveta County	08	1850EST	1/4	100	0	0	4	0	Tornado (F1)
									A tornado touched down briefly one mile west of Senoia near Highway 16. The tornado lifted the roof from a house, pulled the hood off a car, blew down a few trees, and downed a power line.
Coveta County	08	1933EST			0	0	0	0	Hail
									Thunderstorms dropped golf-ball size hail.
Toombs County	09	1600EST			0	0	0	0	Wind
									Thunderstorm winds blew down more than ten trees near Ochopee.
— GEORGIA									
Gilmer County	11	0020EST			0	0	5	0	Lightning
									Lightning struck the control room of a stove manufacturing company, causing a fire that damaged the building extensively.
Union County	11	1530EST			1	3	0	0	Lightning
									Lightning struck and killed a 27-year-old man during graveside funeral services at the Mount Zion Baptist Church near the North Carolina border. His wife and 5-year-old son and a 52-year-old man were injured.
Walton County	13	2245EST			0	0	3	0	Wind
									Thunderstorm winds downed several trees near Monroe and blew a mobile home off its foundation.
Chatham County	18	1525EST			0	1	0	0	Lightning
									An 87-year-old woman was injured in her home by a lightning bolt which struck her stove.
Hall County	19	1630EST			0	0	2	0	Wind
									Thunderstorm winds broke the tops off several trees and pulled a public walkway dock from its mooring at the Timber Ridge Cove on Lake Lanier.
Clayton County	19	1745EST			0	0	3	0	Wind
									Thunderstorm winds blew down about 25 trees near Jonesboro. Several fences, a car, and a swimming pool were damaged by the falling trees.
Fayette County	19	1830EST			0	0	0	0	Hail
									Hail up to 3/4 inch diameter fell in Fayetteville.
Gordon County	20	1250EST			0	0	3	0	Wind
									Thunderstorm winds downed several trees in Calhoun and Resaca and took the top off a mobile home. One car was damaged by a falling tree.
Spalding County	22	1500EST			0	0	0	0	Wind
									Thunderstorm winds downed a few trees in various parts of the county.
DeKalb County	22	1545EST			0	0	4	0	Wind, Hail
									Thunderstorms dropped 3/4 inch hail, downed a few power lines and more than 30 trees, and caused minor damage to several homes in the northern part of the county.
Cobb County	22	1550-1655EST			0	0	3	0	Wind, Hail
									Thunderstorms tore the insulation off a few buildings at 1550EST, and dropped golfball size hail in the southeast part of the county at 1655EST.
Hall County	29	2130EST			1	0	4	0	Lightning
									A 42-year-old man was killed in the attic of his home when lightning struck the house. Several minor fires resulted from lightning strikes in the northern part of the county.
10 IDAHO									
Near the Snake River, Payette and Washington Counties	1	1100-1120 MST			0	0	0	0	Funnels
									Several funnel clouds formed over Indian Head Mountain, about 40 miles northwest of Ontario, Oregon, on the Idaho side of the Snake River near Farewell Bend. The funnels gradually moved south and east breaking up near the Payette and Washington County line.
Boise Area, Ada County, Mt. Home, Elmore County	1	1200-1300 MST			0	0	0	0	Funnels
									Funnel clouds were spotted west of the Boise Airport, Ada County, and near Mountain Home AFB, Elmore County. No damage was reported.
Burley Area, Cassia County, and Rupert Area, Minidoka County	1	Afternoon			0	0	5	5	Hail, Wind
									Marble-sized hail up to four inches in depth and strong winds damaged crops and some farm buildings.

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IDAHO

Winchester area, Lewis County	20	2000 MST			0	0	4	5	Hail
Hailstorm cut a swath a mile wide and roughly four miles long through crops north of Winchester, Lewis County. Hail stones as large as golf balls broke windows in addition to damaging crops.									
Fairview, Franklin County	24	Night			0	0	5	4	Winds
High winds associated with thundershowers tore hay barns apart and blew over a mobile home.									
Burley Area, Cassia County	28	2030 MST			0	0	0	0	Funnels
Two funnel clouds were sighted in a rural area west of Burley. The funnels dissipated after a few minutes.									

ILLINOIS

Trimbale, Crawford County	01	1500CST			0	0	4	0	Wind
Strong winds that accompanied a thunderstorm tore off a section of a barn roof, toppled trees, and lifted an auger from grain bins on a farm 1 mile east of Trimbale.									
Aledo, Mercer County	02	1645CST			0	0	4	0	Flooding
Three inches of rain during 15 minutes caused extensive urban flooding. Small creeks in the area rose above the flood stage.									
Galva and Kewanee, Henry County	03	evening			0	0	5	0	Flooding
Very heavy rain during the evening hours caused major urban flooding of the area as the Edwards river and other small streams overflowed their banks. Numerous roads had to be closed and many basements became flooded.									
Lake Pittsfield, Pike County	04	1735CST	0	0	0	0	0	0	Tornado (F0)
A tornado made a brief touchdown east of Lake Pittsfield which is 1 mile northwest of Lake Pittsfield and west of Route 107. No significant path or damage was recorded.									
Southern Sections	04	1830 to ?	?	?	0	0	4	?	Wind and Hail
Large hail fell in localized areas in the south during the afternoon and evening causing only minor damage. One inch hail fell in Fairview Heights, St. Clair County, (which is near Bellevue) at 1425CST. At 1900CST, two inch hail was reported in Collinsville, Madison County. During the evening hours, large hail and high winds caused some damage in the southeastern counties of Illinois.									
Northwest Section	06-07	1400 to ?	?	?	1	1	6	6	Wind, Flooding, and Hail
Thunderstorms which traveled across the state during the afternoon and evening produced large hail and high winds. The damage was minor and rather localized. At 1450CST, 0.75 of an inch hail was reported in Rockford, Winnebago County. At the same time the Rockford area also reported a 52 knot wind. One inch hail was reported 0.5 mile south of Woodstock, McHenry County at 1606CST. At 2215CST, a 56 knot gust was recorded in Carthage, Hancock County. A number of trees were uprooted and power lines were blown down. Local areas reported nearly 7 inches of rain causing severe flooding. Mercer, Henry, Warren, and Stark Counties were the hardest hit as heavy rain continued to fall during the night. Flooding of fields and urban areas was common. Moderate damage to buildings was reported. One person drowned while trying to cross Pope Creek in Henry County and was carried downstream. Three children were washed from a railroad track into the rising Cedar Creek near Galesburg, Knox County. One deputy fell into the creek while trying to rescue them and was injured as he was washed downstream. Many small streams rose above their banks causing extensive crop damage. Soil erosion throughout the area was severe. The estimated damage to crops in Henry County alone was \$2.3 million. An estimated 15,000 acres were flooded as the Edwards River overflowed. About 150,000 tons of soil was eroded valued at \$1.1 million									
Woodyard, Edgar County	07	1215CST	0	0	0	0	0	0	Tornado (F0)
A rope-like funnel touched down in the vicinity of Woodyard Railroad Station. The tornado was on the ground for less than 3 minutes causing no damage and leaving no known path.									
Casey, Clark County	10	1705CST	0	0	0	5	5	?	Tornado (F0) and Wind
A tornado briefly touched down in an open field 0.5 miles east of Casey. No significant path or damage occurred from the tornado. However, at the same time a downburst of powerful winds caused damage near Casey. The wind, estimated at 98 knots uprooting trees and blew down bleachers from a baseball field. At Snake Trail Camp, 8 mobile homes were toppled over injuring 5 persons. Another mobile home was demolished.									

ILLINOIS

West Salem,	10	afternoon	0	0	0	0	4	0	Wind
A mobile was severely damaged and a garage was moved off its foundation by very powerful winds.									
North and Central Sections	13	1600 to ?	?	?	0	0	0	0	Hail
Hail as large as 1.75 inches was reported at Sunnyland in Tazewell County at 1645CST causing no damage. Smaller hail was reported in the northern and central sections of the state.									
Cook, Lake and DuPage Counties	16	1400 to 1500CST			0	0	4	0	Lightning and Wind
As thunderstorms moved across northeastern Illinois, lightning struck a roof of a home in Palatine, Cook County, causing a fire. The estimated damage was \$10,000. At about 1500CST, a roof of another home in Mount Prospect, also in Cook County, was struck causing another fire. Lightning struck a power line in Hoffman Estates, also in Cook County, causing still another fire in a house and garage. In Buffalo Grove, Lake County, lightning struck a TV antenna. Powerful winds damaged the roofs of two industrial buildings and overturned a trailer in Bensonville, DuPage County at 1450CST.									
Fayette and Richland Counties	19	1400 to 1500CST			0	0	4	0	Wind
As thunderstorms passed over the southeast portion of the state in the afternoon, powerful winds uprooted trees and damaged buildings in Fayette County. At 1315CST Vandalia recorded a 56 knot gust. Ramsey suffered tree and power line damage. One tree crushed a car while another was blown against a house. A tall antenna was also blown over. In St. Elmo, a bus garage roof was completely lifted off and its east brick wall was toppled. Several buses and a car inside the garage were damaged. A large tree crushed a car in another part of town. In Olney, in Richland County, a mobile home was overturned.									
Southern Section	21	1300 to 2030CST			0	0	4	0	Wind
High winds accompanied by thunderstorms damaged trees in Hillsboro, Montgomery County. A boat which was parked in a yard in Collinsville, Madison County, was crushed by a tree.									
Albion, Edwards County	21	1415CST			0	1	0	0	Lightning
Lightning struck a tanker truck injuring one person.									
Northeast Section	21-22				1	0	6	?	Flooding
Heavy rain fell mainly in the northeastern area deluging some parts with more than 7 inches during a 24 hour period. Major flood damage occurred to homes and buildings in scattered locations. Standing water as high as 3 feet were common in basements. Many roads were blocked as the DesPlains River and many smaller streams and creeks rose above floodstage. Urban flooding was severe in local areas as low-lying areas turned into lakes. In Algonquin, McHenry County, the high water caused an estimated \$64,000 damage to 10 businesses, 2 homes, and an apartment building. An Algonquin police officer drowned in Crystal Lake outlet Creek while searching for a man was reported to have fallen into the creek. In Lake in the Hills, also in McHenry County, Crystal Lake outlet Creek overflowed causing extensive property damage to 200 homes and major water damage to another 300 to 400 homes. In Deerfield, Lake County, the East Branch of the North Fork of the Chicago River went out of its banks causing 800 basements to flood.									

INDIANA

South Bend St. Joseph County	07	0330EST	--	--	0	0	2	0	Thunderstorms Winds
Trees and powerlines down. Wind gusts to 41 miles an hour recorded at the Michiana Airport.									
Gosben Elkhart County	07	0415EST	--	--	0	0	2	0	Thunderstorms Winds
Several houses damaged some powerlines and a small area of trees down									
Columbus Bartholomew County	07	1627EST	--	--	0	0	4	0	Lightning
Lightning badly damaged one wall of a house and resulted in a fire.									
Vigo County	10	1952EST	--	--	0	0	2	0	Thunderstorms
Scattered trees and powerlines down									
South Bend St. Joseph County	10	1955EST	--	--	0	0	2	0	Thunderstorms
Some trees down.									
New Carlisle St. Joseph County	10	2100EST	--	--	0	0	0	0	Heavy Rain
US 20 temporarily closed due to water on roadway									
Hancock County	10	2045EST	--	--	0	0	2	0	Thunderstorms
Scattered trees and powerlines down through Winsouthe county									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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

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

Elwood Hancock County	10	2110EST	--	--	0	0	3	0	Thunderstorms Winds Large trees and powerlines down
South Bend St. Joseph County	14	1430EST	--	--	0	0	5	0	Winds Trees down blocked roads. 6000 homes with- out power. 4 houses damaged by lightning Thunderstorms
Elwood Hancock County	19	0145EST	--	--	0	0	0	0	Hail 3/4 inch diameter hail reported
N.W. Warrick County	19	1700EST	--	--	0	0	2	0	Thunderstorms Trees and limbs blown down, winds estimated between 55 to 60 miles an hour Winds
Wanatah La Porte County	19	1711EST	3/4	50	0	0	5	2	Tornado (F1) 1 house and barn destroyed with 5 homes damaged. 2 corn fields damaged.

IOWA

Extreme South Central and extreme Southeast Iowa	02	Early Morning to 03 Morning			0	2	6	6	Flood
All of Iowa Except the Southwest Quarter	06	1400 CST -2230 CST			0	0	6	5	Severe Thunderstorms Heavy Rain Severe thunderstorms in the afternoon in the Northwest part of the State and during the evening in the East caused 3 tornadoes (recorded separately), funnel clouds (recorded separately), large hail, strong straight-line winds and heavy rain. Very heavy rains fell at Spencer (Clay County) along with pea size to golf ball size hail that covered fields near Spencer. Strong straight-line winds damaged two farms in Northern Iowa. One farm near Mason City (Cerro Gordo County) had an empty silo crushed and its barn knocked off its foundation. Several sows and piglets were killed. Many trees were damaged. The other farm near the junction of Highways 9 and 63 in Howard County had a 55 foot tall silo topple onto a cattle shed. The shed was destroyed and 10 cattle inside perished. One and one-half inches of rain fell in 30 minutes at Fort Dodge (Webster County) and Indianola (Warren County) received 4 inches of rain during the late afternoon. A 400-foot section of Highway 5 was washed away between Albia (Monroe County) and Knoxville (Marion County). Heavy rains caused considerable Urban and Small Stream flooding in Muscatine and Louisa Counties. Winds greater than 60 MPH ripped roofs off several buildings in Fort Madison (Lee County) and tipped over a semi-trailer truck. Several automobiles were damaged by uprooted trees.
Just West of Jefferson (Greene County)	06	1536 CST							Funnel Cloud Public Report of Funnel Cloud.
1 Mile North and 1 Mile West of Kniebis (Calhoun County)	06	1540 CST							Funnel Cloud Public Report of Funnel Cloud.
Just North of Manson (Calhoun County)	06	1550 CST							Funnel Cloud Public Report of Funnel Cloud.
Near Weldon (on Clarke/Decatur County line)	06	1633 CST							Funnel Cloud Public Report of Funnel Cloud.
Just West of Van Wert (Decatur County)	06	1735 CST							Funnel Cloud Public Report of Funnel Cloud moving Northeast.
One-half mile South New Hartford (Butler County)	06	1825 CST	Brief	Narrow	0	0	0	0	Tornado (F-0) Spotters reported brief touchdown in rural area. No damage
Near Moravia (Appanoose County)	06	1850 CST							Funnel Cloud Public Report of Funnel Cloud.
Hedrick (Keokuk County)	06	1915 CST	1/2	20	0	1	5	0	Tornado (F-1) Tornado was observed to touch ground just as it entered the Southwest corner of the City. A grain bin was lifted from its foundation and deposited across the street. Numerous windows were sucked out of their frames. Flying glass injured a woman when windows were blown in. Half of a roof of a car was ripped off. Trees were damaged at every residence in its path.

IOWA

5 Miles East of Jesup (Buchanan County)	06	1920 CST	Brief	?	0	0	4	3	Tornado (F-1) State Trooper reported tornado on ground for a brief period. A barn was destroyed and trees damaged.
North Central and Northwest Iowa	09	Afternoon and early evening			0	0	5	?	Heavy Rain & Hail
South Central and Southeast Iowa	15	Afternoon 19 to Evening			1	0	7	7	Flood Daily thunderstorms produced heavy rains that caused floods over South Central Iowa. The rains fell over an area where the soil was already saturated from earlier floods. Rivers and creeks came out of the banks adding to the flooding from the heavy downpours. Numerous people had to be evacuated from their homes. 100 of 102 mobile homes in a mobile home park in Des Moines were damaged. An Amtrak train was forced to turn back when swirling waters covered nearly a quarter of mile of track, newly repaired from a previous flood. Some county roads in Wayne County were under 10 feet of water. All roads were closed by high water leading into Melrose (Monroe County), completely isolating that town. Every creek in Monroe County was out of its bank. Four Mile Creek in Northeast Des Moines (Polk) was out of its bank and caused considerable flooding there and in the suburb of Pleasant Hill. About 100 homes had serious basement flooding in Altoona and Bondurant and 2 homes were totally destroyed in Altoona. A truck driver who abandoned his stranded semi-trailer truck drowned in Whitebreast Creek, 10 feet over flood stage, in Warren County. Numerous automobiles were damaged when flood waters swept them away. Many bridges were damaged. Several state and county roads were washed out.
North Central and Northeast Iowa	15	Afternoon and Early Evening			0	0	5	0	Severe Thunderstorm Straight line winds of 70 MPH damaged eleven farmsteads. All damage sustained was to outbuildings on farms. Barns, machine sheds, cattle sheds and silos were damaged. On one farm, 4 miles East of Rudd (Floyd County), all out buildings were blown down. Cattle were killed on another farm when a silo toppled over onto a cattle shed.
Near Rudd (Floyd County)	15	1406 CST							Funnel Cloud Funnel Cloud observed by State Trooper.
2 Miles North and One Quarter Mile West of Luther (Boone County)	17	1430 CST	1/4	50	0	0	4	0	Tornado (F-1) The roof of a mobile home was ripped off. The mobile home was parked on a farmstead. The owner was in the farmhouse looking out a window and observed the roof flying through the air. He looked around and his furnace was sucked up against the ceiling and all of a sudden it dropped to the floor and was damaged. A pole cattle shed was completely demolished and the poles and concrete tie were set in were pulled out of the ground. The steel roof of the shed was carried east a quarter mile. The west end of a garage was forced in about 6 inches and a concrete wall of a barn also was pushed in 6 inches. Neighbors sitting in their front yard heard a roar at this time.
Central, East Central and Northeast Iowa	17	Afternoon 18 to Morning			0	0	5	4	Severe Thunderstorms Thunderstorms moving east across the area produced very strong winds, heavy rains and some hail. Many trees were downed damaging several residences and vehicles. Some vehicles were "torpedoed". Creeks came out of their banks and there was Urban flooding. A number of buildings were struck by lightning and caught fire. Several cattle were killed by lightning. Soybean and corn fields were damaged by small hail.
Extreme Northwest Iowa	21	Early Morning			0	0	5	0	Severe Thunderstorms Strong winds of 70 MPH uprooted trees which fell on power lines causing interruptions. A mobile home was damaged and a pickup camper was blown over onto its side. Several vehicles were damaged by falling branches. A 50-foot square foot portion of the ceiling/roof of the Sheldon High School (O'Brien County) was blown off. An air-suspended bubble over an ice arena in South Sioux City was irreparably damaged when high winds caused rips in the structure.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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					KILLED	INJURED	PROPERTY	CROPS	

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14 KANSAS

Osborne, Cloud, Lincoln, Mitchell, and Saline Counties	01 All Day Thunderstorms dumped from 2 to as much as 7 inches of rain upon a good share of the listed counties the evening of June 30th. Runoff caused extensive flooding on Bullfoot, Mulberry, Spillman and Salt Creeks; and also on the Saline and Solomon Rivers. Eleven head of cattle, 100 hogs, 25 sheep and 20 goats drowned in the flood waters in Lincoln and Mitchell counties. Wells were contaminated, and county roads, culverts and bridges washed out. Some basements were also filled with water. The flooding did not reach many homes but damage to agricultural land was extensive.	0	0	6	6	Rain, Flooding		
Meade, Meade County	01 1630-1730CST Thunderstorm wind gusts estimated at 65 mph caused minor damage to trees and buildings in Meade.	0	0	4	0	Wind		
Mitchell and Lincoln Counties	01 1900-2300CST Thunderstorms dumped 2 to 6 inches of rain on saturated soil and flooded the area around Hunter. Spillman and Salt Creeks went out of banks for the second consecutive night. Several roads were closed and some people were evacuated from Hunter. Many basements were filled with water at Denmark in Lincoln County.	0	0	5	5	Rain, Flooding.		
Wichita, Scott, Gove and Trego Counties	05 1445-1600CST Hail caused considerable crop damage in the listed counties. One inch diameter stones fell 10 miles south and 2 west of Gove at 1445, and golf ball size dropped 8 miles north and 5 west of Scott City at 1530CST.	0	0	0	5	Hail		
Haskell and Finney Counties	05 1515-1545CST Extensive crop damage resulted from widespread small hail and strong thunderstorm winds in Haskell and Finney Counties.	16	5.5mi	0	0	0	5	Hail, Wind.
Holcomb, Finney County	05 1630CST A funnel was sighted 4 miles southwest of Holcomb.	0	0	0	0	0	0	Funnel
Kanopolis, Ellsworth County	05 2140CST Lightning struck a farm home near Kanopolis. The resulting fire killed a woman, seriously injured a man, and leveled the home.	1	1	5	0	Lightning		
Olsburg, Pottawatomie County	05 2300CST Lightning set fire to the Olsburg Fire Department. The building and several trucks in it were a total loss.	0	0	5	0	Lightning		
Northern Coffey, Southern Osage, Franklin and Miami Counties	06 1700-1915CST Thunderstorms spread hail and high winds along a path from Lebo in northwest Coffey County to Ottawa and Paola. Hail as large as golf balls fell in Lebo from 1715 to 1730. Winds peaked at 63 mph at the Ottawa Airport and were estimated at 75 mph west of Paola at 1855. Damage was generally minor.	50	20mi	0	0	4	4	Wind, Hail.
Winfield, Cowley County	06 1730CST A funnel was sighted 7 miles northeast of Winfield.	0	0	0	0	0	0	Funnel.
Grant County	07 2100-2400CST Trees were damaged and a few windows were broken by hail and strong thunderstorm winds in Ulysses and northern Grant County. Some of the hail was as large as 3/4 inch in diameter.	0	0	3	0	Hail, Wind.		
Great Bend, Barton County	08 1555CST A tornado touched down near Great Bend and injured 3 people when it destroyed a mobile home. None of the injuries were serious. A wind gust was measured at 79 mph at the Great Bend Airport.	Short	Narrow	0	3	4	0	Tornado (F1), Wind
Deerhead, Barber County	08 1600CST Strong thunderstorm winds and hail 3/4 inch in diameter damaged cars, machinery and some buildings in and around Deerhead.	0	0	4	0	Hail, Wind.		
Stanton and Northwest Grant Counties	08- All Day 09 Both Days Heavy rains in southeast Colorado the evening of July 7th sent Bear Creek out of its banks for 2 days. Flooding of farmland was widespread along the creek.	0	0	5	5	Flooding		
Ludell, Rawlins County	09 1600CST A funnel was sighted 15 miles northeast of Ludell.	0	0	0	0	Funnel		
Tribune, Greeley County	09 1755CST A tornado touched down 5 miles north and 2 east of Tribune and destroyed a barn.	0	0	4	0	Tornado (F1)		
Rawlins, Decatur, Ellis, Greeley and Wichita Counties	09 Evening Thunderstorms packing strong winds and large hail crossed the listed counties. Winds were estimated at 100 mph at Tribune at 1730 and golf ball size hail fell 12 miles south of Atwood and at Chardon at 1820. Crops in Rawlins County were especially hard hit.	0	0	5	7	Hail, Wind		

KANSAS

Coldwater, Comanche County	09 1800-1815CST Winds estimated at 65 mph overturned several campers at Coldwater Lake. Hail an inch in diameter fell between Protection and Coldwater.	0	3	4	4	Wind, Hail		
Kingsdown, Ford County	09 1915CST Hail an inch in diameter fell at Kingsdown.	0	0	0	4	Hail		
Russell and Osborne Counties	09 2110CST Thunderstorms packing strong wind gusts crossed the listed counties. Winds peaked at 68 mph at the Russell Airport and 61 mph at Osborne. Only minor damage resulted.	0	0	4	0	Wind		
Salina, Saline County	09 2200-2400CST Rains of 2 to 4 inches fell at Salina and caused some street flooding. Some basements were also flooded. Strong winds also damaged trees and power lines.	0	0	5	4	Rain, Wind		
Halstead, Harvey County	09 2220CST Winds estimated at 60 mph hit Halstead. Some tree limbs were broken but no significant damage resulted.	0	0	0	0	Wind		
Eastern Morris, Lyon Osage, Shawnee, Douglas, Franklin and Miami Counties	09- 2300-10 0100CST Thunderstorms packing winds of 40 to 50 mph crossed the listed counties. Isolated downburst wind gusts exceeded 80 mph and caused localized damage. Heaviest damage occurred in an area 2 blocks wide and 26 blocks long on the north side of Emporia about 2330. Four people suffered injuries that required hospitalization. At 2305 a mobile home was demolished at Council Grove Lake; 3 were injured with 1 requiring hospitalization. At Clinton Lake camping vehicles and tents were toppled about 0030 and 6 people sustained minor injuries. Farm outbuildings and a silo were damaged near Paola at 0100. Less serious damage also occurred at Americus and Reading.	0	13	6	4	Wind		
Saline and Dickinson Counties	09- 2315-10 0015CST A tornado damaged a farm near Gypsum and moved northeast. The twister was up and down several times. Some damage occurred at Gypsum, Navarre and Chapman.	30	Narrow	0	0	5	0	Tornado (F1)
Rozel to Sanford, Pawnee County	12 1930-2000CST Hail from 3/4 to 2.5 inches in diameter fell along Highway 156 from Rozel to Sanford.	5	2mi	0	0	4	5	Hail
Northeast Johnson and Eastern Wyandotte Counties	13 1500-1530CST A thunderstorm dropped golf ball size hail and produced strong wind gusts over eastern sections of Kansas City, Kansas and adjoining communities in northeast Johnson County. Only minor damage resulted.	0	0	4	0	Hail, Wind		
Barton and Rice Counties	13 1555CST A severe thunderstorm developed over east central Barton County and moved southeast into Rice County. The wind was estimated at 70 mph at Claflin at 1555CST.	0	0	3	0	Wind		
Northwest Kearny County	13 1700-2000CST Rains of 4 to 7 inches, hail as large as 2 inches and winds of 65 mph hit northwest Kearny County. Considerable crop damage and minor property damage resulted.	0	0	4	5	Rain, Hail, Wind		
Modoc, Scott County	13 Evening Hail as large as 2 inches in diameter caused minor damage to vehicles and homes southwest of Modoc.	0	0	4	0	Hail		
Frankfort, Marshall County	13- 1800-14 1900CST Four to 7 inch rains late on the 13th sent the Black Vermillion out of its banks from Vermillion all the way to the Blue River. The river reached its highest stage in 23 years at Frankfort when it crested more than 10 feet above flood stage. Many acres of farmland were under water but levees protected the city of Frankfort.	0	0	4	5	Flooding		
Eastern Hodgeman and Western Pawnee Counties	13 2030-2100CST Thunderstorm wind gusts of 65 mph damaged trees and hail 3/4 inch in diameter caused considerable damage to crops in the listed counties.	0	0	4	5	Wind, Hail		
Osage City, Osage County	13- 2200-14 0200CST As much as 7 inches of rain fell on the Salt Creek Watershed northwest of Osage City. The creek flooded Jones Park in Osage City and washed out the approaches to a railroad bridge. A good deal of farmland was also flooded.	0	0	5	5	Flooding		
Burlington, Coffey County	14 1200-1600CST Seven to 10 inches of rain fell in and around Burlington and swelled Rock Creek and its tributaries out of banks. Street flooding was widespread throughout Burlington both from the creek and from surface runoff. Several buildings and homes were damaged and many acres of farmland were covered with water. The high water was short lived and began to recede by 1700CST.	0	0	5	4	Flooding		

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— KANSAS									
Trego County	15	0030CST			0	0	5	0	Lightning
									Lightning set fire to oil tank batteries 6 miles south and 3 east of Riga; and a mile south and 1/2 west of Ogallah.
Hays, Ellis County	17	1612CST			0	0	4	0	Hail
									Hail as large as golf balls fell briefly at Hays.
Central Gray County	17	1640-1700CST			0	0	5	0	Wind
									Fierce thunderstorm wind gusts knocked over irrigation sprinklers and damaged buildings in central Gray County.
Eastern Jewell and Western Republic Counties	17	1730-1900CST			0	0	5	4	Hail, Lightning
									A thunderstorm dropped large hail upon the listed counties. The hail was softball size at Jewell and an inch in diameter at Republic. Lightning also started a fire that leveled a farm home near Jewell.
Wilson, Ellsworth County	18	1730-2345CST			0	0	5	4	Rain, Wind, Hail
									A thunderstorm dumped as much as 7 inches of rain in and around Wilson. Streets, roads and basements were flooded. The wind gusted to 70 mph and hailstones from 1/2 to an inch in diameter fell.
Sylvan Grove, Lincoln County	18	1823CST			0	0	0	0	Wind
									A thunderstorm wind gust was estimated at 60 mph at Sylvan Grove. No damage resulted.
Scott City, Scott County	18	1945CST			1	0	0	0	Lightning
									Lightning struck and killed a man 3 miles west and 1.5 north of Scott City.
Kanopolis, Ellsworth County	18	2115CST			0	0	0	0	Funnel
									A funnel was sighted just west of Kanopolis.
Southern Republic and Cloud Counties	22	0300-0400CST			0	0	4	0	Wind
									A severe thunderstorm developed in southern Republic County and moved across Cloud County. The wind gusted to 63 mph at the Concordia Airport at 0338. Some outbuildings and homes had minor damage.
Herington, Dickinson County	22	0430CST			0	0	5	0	Lightning
									Lightning struck and set fire to a Truck Stop at Herington.
McPherson, McPherson County	22	0500CST			0	0	4	0	Wind
									Thunderstorm winds gusted to 70 mph in McPherson and damaged trees and power lines.
Harvey and Sedgwick Counties	22	0530-0630CST			0	1	6	0	Wind
									A thunderstorm packing strong winds damaged homes and buildings. Winds were measured at 80 mph at Newton, 58 mph at McConnell Air Force Base at 0605 and 55 mph at the Mid-Continent Airport in Wichita at 0620CST. Several planes were damaged at Jabara Airport in northeast Wichita. One person was injured when his truck and the mobile home it was pulling were overturned in western Sedgwick County.
Norwich, Kingman County	27	0400CST			0	0	5	0	Lightning
									Lightning set fire to a gas pumping station southwest of Norwich.
Russell, Russell County	27	1355CST			0	0	0	0	Funnels
									Several funnel clouds dropped out of the clouds south of Russell.
SPECIAL HAIL SUMMARY									
Kansas-Oklahoma Hail Loss Service reports indicate hail was especially damaging to crops on the following dates in the listed counties.									
1 Mitchell, Rooks, Osborne, Ottawa, Shawnee									
5 Gove, Haskell, Osborne, Scott, Smith, Trego, Wichita									
6 Cowley									
7 Morton, Wallace									
8 Jewell, Logan, Osborne, Sherman, Smith, Thomas, Wallace, Wichita									
9 Decatur, Finney, Ford, Graham, Grant, Greeley, Logan, Norton, Ottawa, Rawlins, Sheridan, Sherman, Thomas, Wallace									
12 Doniphan									
13 Ellsworth, Gray, Hodgeman, Kearny, Stanton									
14 Sheridan, Thomas									
17 Finney, Gray, Haskell, Jewell, Kearny, Republic									
— KANSAS									
									18 Haskell
									22 Republic
									26 Sheridan, Thomas
15 KENTUCKY									
Clinton County	03	1245 EST			0	0	4	2	Severe Thunderstorm, winds
									Winds gusting to 70 miles per hour uprooted trees and downed power lines.
Davies-Hancock County Line	10	1635CST			0	0	2	1	Hail
									Golf ball sized hail was reported by the public.
Jefferson County	19	1830 EST			0	4	4	2	Severe Thunderstorm, winds
Oldham County	19	1845 EST							
Shelby County	19	1840 EST							
Simpson County	19	1815 EST							
									Numerous trees were uprooted and power lines were downed as winds estimated at 70 miles per hour moved through north-central Kentucky. Several plate glass windows were blown out in Jefferson County resulting in 4 injuries caused by flying debris. Taylorsville Road was blocked by large uprooted trees.
Warren-Barren County Line	19	1925 EST			0	0	3	2	Severe Thunderstorm, winds
									Trees were uprooted by high winds on the Warren-Barren County line.
16 LOUISIANA									
Coastal Waters	5	0030CST							SVR TSTM
									A severe thunderstorm was reported in the Mississippi Sound portion of the coastal waters east of Slidell, La. A boat recorded sustained winds of 40 mph with gusts to 60 mph. No damage reported.
Jefferson Parish	6	1600CST					3		SVR TSTM
									High winds accompanying a thunderstorm destroyed a shed near the Harvey Tunnel in Marrero, La. Damage estimated at \$1,500.
Calcasieu Parish	7	1500CST					3		Lightning
									Lightning caused minor damage to an apartment complex in Lake Charles. Damage estimated at \$1,000.
St. Martin Parish	7	1505CST					4		Tornado (F1)
									A short lived tornado struck one house in Adeline completely removing the roof. Circulation was evident with wind blown debris driven into the ground. After viewing radar films it is possible that this was a waterspout which came on shore. Damage estimated at \$10,000.
Terrebonne Parish	7	1300CST					6		SVR TSTM
									A severe thunderstorm struck Houma, La with sustained winds of 80 mph with gusts in excess of 100 mph measured by a SRS station at the airport. Twelve planes were either severely damaged or destroyed with damage estimated at \$600,000. Other damage reported consisted of roof, tree, and power lines. Many power poles were snapped. Additional damage was estimated at \$400,000.
Iberia Parish	8	APTN					4		Lightning
									Lightning struck a house in New Iberia, La causing an estimated \$10,000 in damage to the structure.
St. Martin Parish	8	APTN	1	?			4		Tornado (F0)
									A small tornado struck near the community of Charenton unroofing one house, damaging a mobile home, and destroying a main power transmission line. Damage estimated at \$15,000. Path width was not determined. Path length was 1 mile.
Caddo Parish	8	1405 CST					4		SVR TSTM
									A severe thunderstorm with winds estimated at 60 mph struck Shreveport, La uprooting several large trees. One tree fell on an automobile completely destroying it. Damage estimated at \$10,000.
West Feliciana Parish	8	1430CST	2	50			3		Tornado (F1)
									A tornado touched down on the River Bend Nuclear Plant site then struck a barn destroying it. The tornado was observed for about 5 minutes.
Terrebonne Parish	9	1500CST short	50				3		Tornado (F0)
									A weak tornado was observed to touchdown in Houma, La damaging one house. The funnel was described as a rope and white in color. Damage estimated at \$4,000.
St. Landry Parish	12	APTN					4		SVR TSTM
									A severe thunderstorm produced winds which sent at least two trees through roofs of houses and snapped several power poles. Damage estimated at \$15,000.

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LOUISIANA

Beauregard Parish	12	1600CST			1				Lightning One man was killed 13 miles southeast of De Ridder, La when lightning struck a tree then jumped to a fence where the man was closing a gate.
Beauregard Parish	12	1630CST							Hail Hail .75 inch in diameter fell at De Ridder, La for a few minutes. No damage was reported.
Coastal Waters	14	1100CST							Waterspouts A series of 4 waterspouts was observed near the mouth of the Mississippi River by the Coast Guard. No damage was reported.
Orleans and St. Tammany Parishes	15	1030CST							Waterspouts Several waterspouts were sighted on Lake Pontchartrain. No damage was reported.
Calcasieu Parish	16	0915CST							Funnel Cloud A funnel cloud was sighted by the FAA tower about 12 miles southwest of Lake Charles. No damage reported.
Orleans Parish	20	0540CST							Waterspout A large waterspout was observed 1.5 miles east of the 12 mile marker on the Lake Pontchartrain causeway.
Beauregard Parish	20	1815CST							High Wind High winds accompanying a thunderstorm destroyed a barn 2 miles west of De Ridder, La. No damage estimate available.
Caddo Parish	22	1700CST			1	3			SVR TSTM A severe thunderstorm with winds estimated at 75 mph damaged roofs and trees in Shreveport, La. One person was severely injured by a falling tree.
St. Martin Parish	25	AFTN					5		Lightning Lightning struck three storage tanks in Morgan City, La. Two tanks were filled with aluminum chloride and another with Hydrochloric acid. The tanks and contents were completely destroyed. Loss was estimated at \$75,000.
Orleans Parish	25	AFTN			1				Lightning One person was killed by lightning on a golf course while searching for a ball under a tree. Witnesses stated this was the only bolt of lightning from this particular storm.
Orleans Parish	26	1455CST					3		Lightning Three workmen working on the top of a high rise building under construction in downtown New Orleans were severely injured when lightning struck the building.
Plaquemines Parish	26	1615CST							Waterspout A large waterspout was observed a short distance offshore near Pointe a la Hache. NO damage was reported.
Beauregard Parish	28	AFTN							High wind High winds accompanied a thunderstorm 5 miles east of De Ridder where one building under construction was destroyed and large trees across the highway were uprooted. No estimate of damage.
Caddo Parish	28	1830CST							SVR TSTM A severe thunderstorm struck Shreveport, La with wind gusts to 66 mph and 3.35 inches of rain in 1 1/2 hours. Damage was confined to mainly trees and power lines. No damage estimate available.
Iberville Parish	29	AFTN			1				Lightning One person was killed in the community of Bayou Coula, La when struck by lightning while sweeping off his back porch.
Evangeline Parish	29	AFTN							Lightning Lightning struck a house 3 miles west of Eunice, La causing a fire which did minor damage to the utility room. No estimate of damage.
Acadia Parish	29	AFTN					3		Lightning Lightning struck a house in Rayne, La causing considerable damage to the roof and burning out all of the electrical appliances in house.
Jefferson Parish	29	1820 CST							Tornado (FD) A tornado was observed about 5 miles northwest of New Orleans International Airport by numerous persons including FAA tower personnel and a NWS employee. Location of the tornado was in the swamps and no damage was reported.
Franklin Parish	31	AFTN			1				Lightning Lightning struck a man in Crowville, La melting his watchband, knocking off his wedding band, glasses, and shoes. The man was injured, but survived.

17 MAINE

Lakeview Plantation, Piscataquis County	17	1530-1730EST			0	0	5	0	High Winds Thunderstorms produced strong winds on the southern end of Schoodic Lake which took down numerous large trees and damaged many cottages and boats.
Southern Androscoggin County	19	1325-1500EST			0	0	5	0	High Winds A thunderstorm produced strong winds with the Lewiston-Auburn Municipal Airport recording a peak gust of 46 mph. The winds uprooted trees and knocked down electric wires leaving 3,000 customers in Poland, Mechanic Falls, Lewiston, Auburn, and Sabattus without power for several hours. In Lisbon, the winds flattened one large barn, damaged another, and did extensive damage to a mobile home.

18 MARYLAND and D.C.

Hillcrest Heights, Prince Georges County	3	1500EST			0	0	4	0	Wind A localized, but very intense, wind system roared through the Hillcrest Heights area between 2:30PM and 3:30PM. The most seriously damaged home had about one quarter of the roofing torn off, while lesser damage was inflicted upon roofs and siding of several nearby houses. In addition, a tree was uprooted and several others had limbs broken off.
Anne Arundel County	8	1600-1630EST			0	0	5	0	Lightning, Wind Storm first struck in the community of Lothian, where winds collapsed a barn, toppled trees and destroyed the porch of a house on one farmstead... damage near \$30,000. About 1-2 miles to the northeast, lightning struck a horse barn. The resulting fire destroyed it, along with 3,000 bails of hay and other equipment. The barn was valued at \$100,000 and the contents around \$10,000.
Washington County	11	1730EST			0	0	3	0	Wind, Lightning Termed a brief, but fierce, storm by residents, a thunderstorm uprooted trees and blocked roads near Sharpsburg. One home that was hit by lightning had only minor damage.
Cumberland	18	1230-1400EST			0	0	3	0	Rain Up to two inches of rain fell in some sections. In less than two hours. Some streets were flooded and there were numerous reports of water in basements, especially over the southern sections of the city.
Ocean City	20	Noon-1330EST			0	5	3	0	Lightning, Rain Heavy rain along with numerous lightning strikes accompanied this storm. Five persons were reportedly struck by lightning. Two were treated at the local hospital and released, while the others were treated for minor injuries or shock at the scene. A number of streets had to be closed for a time due to a combination of backed-up drains and high runoff.
West Central and Western Maryland	27	1700-2000EST			0	0	4	3	Wind, Rain, Hail, Lightning The most widespread activity of the month struck portions of Montgomery, Frederick and Washington Counties. Winds disrupted electrical service and blew trees over, while rainfall that ranged between two and three inches, caused high water problems. Street flooding was especially pronounced in the city of Frederick, several being closed due to accumulated water. A mudslide affected part of Route 40 near Boonsboro, while golfball-sized hail brought scattered garden damage. In addition there were at least four homes struck by lightning...with only minor damage. Up to \$10,000 was estimated for the repair or replacement of power lines.

19 MASSACHUSETTS

Northampton	15	1300EST			0	0	0	5	Hail A thunderstorm produced 3/4" diameter hail which caused tobacco and onion crop damage.
Statewide	19	All Day			0	2	5	0	Lightning, High Wind A thunderstorm blew about 50 boats from their moorings. About 10 houses and two church steeples were struck by lightning. In Easton a significant strike and fire resulted. A woman who was washing her face in her bathroom was jolted by lightning in Bellingham where a barn was also struck and destroyed. In Westfield a large shed was destroyed. A large house in Westfield was damaged by lightning. In Middleboro holes were blown in a house wall and in Raynham a T.V. antenna and house roof were damaged. A man suffered lightning-caused leg injuries while at home in Kingston. In Newton high wind blew down trees and large hailstones "like golfballs" were observed. In Mansfield two bedrooms were burned out by lightning.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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	
MASSACHUSETTS									
South Yarmouth	28	0400EST			0	0	3	0	Lightning
		Three elderly people were rudely awakened as lightning blew a hole into their home's roof, and caused several items to overturn.							
North Adams	29	0515EST			0	0	3	0	Lightning
		A house was struck and sustained a small fire.							
20 MICHIGAN									
Southwestern Counties	07	0300-0430EST			0	0	5	0	Thunderstorm-Lightning
Berrien		0300-0400EST							
		Gusts to 57 mph St. Joseph Coast Guard. Trees down. Garage destroyed in Sodus. Two cars damaged in Benton Harbor.							
Cass		0315-0400EST							
		Factory and contents destroyed by lightning fire near Edwardsburg. Boats and docks damaged at Shavehead Lake.							
Van Buren		0430EST							
		Roads blocked by fallen trees							
St. Joseph		0345-0430EST							
		Trees down. Power outages.							
Kalamazoo		0400-0445EST							
		Trees down. Power outages.							
Branch		0415-0500EST							
		Trees down. Power outages.							
Calhoun		0420-0500EST							
		Trees down. Power outages							
Chatham, Alger Co.	13	1730EST			0	0	0	0	Hail
		Hailstones 3/4"							
3 Miles East Berrien Springs, Berrien Co.	14	1240EST			2	0	0	0	Lightning
		Two boys picking berries struck.							
Lealie, Ingham Co.	14	Afternoon			0	1	0	0	Lightning
		Lightning struck electric fence, jumped to girl with lawnmower nearby.							
5 Miles South Traverse City, Grand Traverse Co.	14	1300EST			0	0	0	0	Hail
		1" hailstones.							
Kinross, Chippewa Co.	14	1415EST			0	1	1	0	Lightning
		Girl putting bicycle into wooden shed struck. Shed damaged. Girl knocked down, shoes blown off. 2-inch trench 2 to 3 feet long in ground. Rain and hail followed.							
Boyne Falls, Charlevoix Co.	14	1450EST			1	0	0	0	Lightning
		Man struck while working in mill yard.							
1 NW Delton to 2 ENE Delton, Barry Co.	14	1530EST	3	40	0	0	3	0	Tornado (F1)
		Many trees down. Roads blocked. 2 houses, 3 boats, and a dock damaged. Followed by 3/4" hailstones.							
3 Miles South Pokagon, Cass Co.	16	1800EST			0	1	4	0	Thunderstorm
		Man struck by live wire and stunned. Minor wind and lightning damage in vicinity.							
Clarksville, Ionia Co.	17	0200EST			0	0	5	0	Lightning
		Grain elevator and contents destroyed by fire.							
Ottawa, Allegan, Van Buren, Kalamazoo Counties	17	0300-0500EST			0	0	6	C	Flash Flood
		Heaviest rain, up to 11", and most severe damage just southeast of Holland. U.S. 31, M 40, and C&O RR all washed out. Up to 5 feet of water over some roads. Store roof collapsed in Holland. Many basements flooded. Widespread minor structural damage. Several buildings set afire by lightning.							
Gogebic, Ontonagon, Houghton, Iron, and Baraga Counties	17	0430-0700EST			0	0	5	0	Thunderstorms
Gogebic		0430-0530EST							
		Many trees down. Several buildings damaged. Trucks rolled over.							
Ontonagon		0500-0600EST							
		Trees down.							
Houghton		0600-0700EST							
		Trees down southern portion.							
Iron		0600-0630EST							
		Trees down northwest portion.							
Baraga		0630-0715EST							
		Windows broken, large building unroofed in L'Anse.							
MICHIGAN									
Kent, Montcalm, Ionia, Eaton Counties	17	0700-0900EST			0	0	5	0	Flash Floods
		4" to 6" of rain flooded many roads, washed out several. Lightning damage listed below was part of this storm. Several other buildings slightly damaged by lightning.							
Portion of Lower Peninsula north of Tawas - Frankfort	17	1000-1245EST			0	1	5	C	Thunderstorms
		Man injured when boat capsized in Grand Traverse Bay.							
Mackinac Bridge		1010-1034EST							
		Gusts 50-60 mph. Two trailers separated from tow vehicles. Boat blown off bridge.							
Emmet		1015-1100EST							
		Power lines, radio tower down.							
Charlevoix		1015-1115EST							
		Boat capsized in Lake Michigan. Gusts 50 mph at Beaver Island, 46 mph at Charlevoix. Power out.							
Cheboygan		1030-1130EST							
		Power out.							
Leelanau		1045-1115EST							
		Minor wind damage. Roads washed out.							
Antrim		1045-1130EST							
		Radio tower down.							
Benzie		1100-1130EST							
		Roads washed out. Boats swamped.							
Grand Traverse		1115-1145EST							
		Bath house destroyed. Streets flooded. Minor lightning fires. Gusts to 60 mph at Traverse City. Cherry crop damaged.							
Otsego		1115-1145EST							
		Trees and power lines down. Carnival ride destroyed. Two minor lightning fires.							
Presque Isle		1115-1215EST							
		Barn destroyed. Much localized damage near Posen.							
Montmorency		1130-1200EST							
		Tornado listed below.							
Roscommon		1145-1215EST							
		Mobile home rolled over. Several boats destroyed on Houghton Lake.							
Oscoda		1130-1215EST							
		Trees, power lines down.							
Alpena		1145-1245EST							
		Trees down. Gusts 53 mph at Alpena.							
Ogemaw		1145-1245EST							
		Trees and power lines down, out-buildings destroyed, mobile home rolled over.							
8 Miles SSE Atlanta, Montmorency Co.	17	1135EST	0.1	65	0	0	3	0	Tornado (FO)
		"Black swirling cloud came roaring down from sky." Trees on south side of County Road 612 blown down toward east, on north side twisted toward N or NE. House trailer damaged.							
7 Miles SSE Atlanta, Montmorency Co.	17	1135EST	0.5	15	0	0	3	0	Tornado (FO)
		Moved ESE through wooded area.							
3 Miles ENE Pinconning, Bay Co.	17	1330EST			0	0	3	0	Tornado (FO) - Waterspout
		Touched down on west shore of Saginaw Bay, did minor damage to trees and buildings, then moved out into Bay.							
Honor, Benzie Co.	17	2130EST			0	0	0	0	Hail
		Hailstones 1 3/4 inches.							
10 Miles East Thunder Bay Island, Lake Huron	18	0630EST			1	0	0	0	Wind
		Man blown overboard from sailboat.							
Off Monroe, Lake Erie	19	1726EST			0	0	0	0	Waterspout
		Boater reported funnel cloud briefly touched water.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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					KILLED	INJURED	PROPERTY	CROPS	

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

21 MINNESOTA

Lucan (Redwood County)	2	2045cst								Hail
7 miles long swath of pea to baseball size hail caused minor crop damage in extreme northwest Redwood County near Lucan.										
Northwest Minnesota	4/5	1940cst 0400cst								Wind, Hail and Lighting
Thunderstorms with intense lighting, strong winds and hail to the size of golfballs moved into Northwest Minnesota causing damage as far east as Koochiching County. Winds knocked down numerous trees and power lines. Two barns collapsed due to high winds, one Northwest of Oklee and the other 5 1/2 miles North of Gully. Wind damaged an apartment building in Oklee and damaged mobil homes and machinery to the east and Southeast of Thief River Falls. Winds damaged boats, trailers and sheds near railroad and in the Northwest angle as well as being a contributing factor to crop damage due to hail occurred across the Northwest part of the State. Around midnight lightning struck and caused damage to a house east of Argyle.										
Crookston (Polk County)	4	2035cst								Wind
2 men were injured when they were pinned under a shed that was destroyed by thunderstorm winds 3 miles South/Southeast of Crookston										
Ada (Norman County)	4	2038cst								Funnel
A funnel was observed 5 miles North and 4 miles East of Ada.										
Dorothy (Red Lake County)	4	2104cst								Funnel
A funnel was observed 3 miles North of Dorothy.										
Norman County	4	2100cst								Funnel
Funnel cloud and strong winds were observed between Gary and Twin Valley.										
Gary (Norman County)	4	2108cst								Funnel
A Funnel cloud was observed 7 miles Northeast of Gary										
Fertile (Poke County)	4	2120cst								Lighting
Lightning burned and knocked a man unconscious while leaning on a kitchen range.										
Felton (Clay County)	4	2125cst								Funnel
A funnel cloud was observed near Felton.										
Twin Valley (Norman County)	4	2128cst								Funnel
A funnel cloud and strong winds were observed near Twin Valley.										
Clearbrook (Clearwater County)	4	2142cst								Funnel
A funnel cloud was observed 3 miles east of Clearbrook										
Clay County	4	2205cst								Funnel
A funnel cloud was observed by county road 26 and state highway 9										
Fosston (Polk County)	4	2230cst								Funnel
Funnel aloft observed in Northeast Section of Town.										
Island Lake (Mahnom County)	4	2240cst								Funnel
Funnel aloft was observed over Island Lake in Northwest portion of County.										

MINNESOTA

Bagley (Clearwater County)	4	2300cst								Funnel
A funnel cloud was observed near Bagley										
Clearwater/Beltrams Counties	4	2300cst Midnight								Funnels
Funnels were observed in the vicinity of clearbrook, Milton Turtle River and Long Lake										
Northcote (Kittson County)	5	0730cst								Wind
Thunderstorm winds estimated to 60 mph hit the rural area of Northcote in Northwest Kittson County. A television and radio tower was damaged, a storage shed was destroyed and tree were broken										
Badger (Roseau County)	5	0825cst	7	30	0	1	4	4		Tornado (F1)
A tornado passed Northwest to Southeast through the town of Badger causing extensive damage to a school building and knocking power out at three different locations. Southeast of town a steel shed was demolished and a boy was injured when a trailer home he and his family were in overturned. Wind and hail accompanied the Tornado causing crop damage near Badger. Numerous trees were knocked down, windows broken, antennas damaged and some machinery was overturned.										
Mahnom County	5	1640cst								Hail
Golfball size hail fell over Southern Mahnom County especially in the Waubun area.										
Rock Co 2130cst	5	1730- 2130cst								Hail and Wind
Marble size hail and thunderstorm winds gusting to 70 mph caused extensive crop damage across Luverne and Kanaranzi townships as well as a small area in the Southern Half of the County. Winds broke trees and power lines. Locally heavy rains from 3 to 4 inches washed out crops.										
Paynesville (Sterns County)	5	2033cst								Funnel
Funnel aloft observed at Paynesville										
Little Falls	5	2130cst								Wind
Thunderstorm winds estimated at 75 mph hit radio station WYRQ but caused little damage.										
Kanabec County	5	2255 cst								Hail
Hail 1 inch in diameter and heavy rain reported across Kanabec County										
Cass County	6	1135cst								Funnel
A funnel cloud was reported by the public near Remer in Cass County										
Rock Co., Murry Co. Lyon Co. and Pipestone Co.	6	1230 1600cst								Wind, Hail
A line of strong thunderstorms developed in extreme Southwest corner of Minnesota and Moved Northeast producing strong straight line winds (60-80 mph). A swath of wind and hail up to 4 miles wide and 70 miles long destroyed over \$10 million worth of crops. The hail size ranged from pea to golfball size. The storm developed in extreme Southwest Rock County and moved Northwest through Southwest pipestone County across Murry county into Lyon county just South of Marshall, Numerous windows were broken, somecrops were damaged, metal buildings were dented and bark was stripped off trees. Hail piled up as high as two to three feet along fence rows.										
Big Stone Co.	6	1210cst								Funnel
A funnel was reported 4 miles Southwest of Beardsley										
Sterns Co	6	1415cst								Funnel
At big Fish Lake near Avon										
Redwood Co	6	1415cst								Funnel
A pilot on the ground reported a funnel cloud 7.5 miles Southwest in Redwood Falls.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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					KILLED	INJURED	PROPERTY	CROPS	
MINNESOTA									
Douglas Co	6	1415cst			0	0	0	0	Funnel
	Three funnel clouds were reported out of a Thunderstorm system moving through Douglas County. One was seen over Miliona, one near Lake Mary and one near Lake Reno								
Stearns County	6	1430cst			0	0	0	0	Funnel
	Funnel cloud reported by public near Cold Springs								
Stearns Co	6	1435cst			0	0	0	0	Funnel
	Public reported a funnel cloud by Big Fish Lake								
Sanborn (Redwood Co.)	6	1515cst			0	0	0	0	Funnel
	A funnel cloud was spotted just South of Sanborn								
Waseca Co	6	1628cst			0	0	0	3	Hail
	Golfball size hail was reported in New Richland in Southeast Waseca County								
Dodge Co	6	1730cst			0	0	?	6	Wind, Hail
	Hail (up to the size of golfballs) and wind damaged crops beginning in Clavemont township extending to Wasioja and Mantorville township. Hail damaged 8,500 acres of crops								
Hackensack (Cass County)	8	1630cst	1/8	Narrow	0	0	0	0	Waterspout
	A funnel cloud was observed to briefly touchdown over a lake 8 miles West Northwest of Hackensack								
Fairbault (Rice County)	9	1310cst			0	0	4	0	Lightning
	Lightning struck and partially burned a house in Fairbault.								
Southern Blue Earth/ Northwest Fairbault	9	1613cst			0	0	3	0	Wind, Rain
	Heavy rain caused local flooding between Amboy and Winnebago. Thunderstorm winds of 50 miles per hour knocked down trees and power lines in Winnebago.								
Fairmont (Martin County)	9	1620cst			0	0	0	0	Wind
	Thunderstorm winds estimated from 60 to 80 miles per hour near Fairmont with no significant damage reported.								
Maplelake (Wright County)	9	1704cst			0	0	0	0	Funnel
	2 funnels aloft observed over Maple Lake								
Buffalo (Wright County)	9	1715-1815cst			0	0	4	0	Rain
	Four and one-half inches of rain fell in Buffalo causing extensive water damage including city property, school buildings and private residences. 3 1/2 to 4 feet of water were standing in some areas.								
Stacy (Chisago County)	9	1750cst			0	0	4	0	Wind
	Strong thunderstorm winds demolished a barn 4 miles West of Stacy								
Redwood County	9	1823cst			0	0	0	0	Funnel
	Funnel aloft observed 10 miles East of Lamberton								
Springfield (Brown County)	9	1823cst			0	0	0	0	Funnel
	Funnel aloft observed South of Springfield								
Stewart (McLeod County)	9	1825cst			0	0	0	0	Funnel
	Funnel aloft observed North of Stewart								
MINNESOTA									
Eastern Douglas County	9	1840cst			0	0	0	0	Funnel
	Funnel aloft observed 8 miles North of Osakis								
Rice County	12	1220cst			0	0	0	0	Hail
	Golfball size hail fell in Southwestern Rice County								
Rochester (Olmsted County)	12	afternoon			0	0	3	0	Rain
	Four inches of rain in less than one hour in the Country Club Manor area of West Rochester causing considerable property damage								
Wadena (Wadena County)	12	1616cst			0	0	0	0	Funnel
	Funnel aloft observed 5 miles south of Wadena								
St. Louis County	12	1645-1730cst			0	0	0	0	Hail
	An area of thunderstorms moved Southeast through the Chisholm and Hibbing area dropping hail as large as 2 inches in diameter								
Fosston (Poik County)	13	1234cst			0	0	0	0	Funnel
	A funnel cloud was observed 1 1/2 miles Southwest of Fosston								
Red Lake County	13	1645cst			0	0	0	0	Funnel
	A funnel cloud was observed 5 miles South of Brooks								
Hastings (Dakota County)	15	1725cst	1	160	0	0	4	0	Tornado(FI)
	A tornado touched down 3 to 4 miles Southeast of Hastings. Damage was done to 8 homes in a area known as Evergreen Terrace. The tornado damaged roofs and fences and knocked down trees.								
Northwest Minnesota	16/17	2000cst-0100cst			0	0	4	4	Wind, Rain
	An area of thunderstorms caused damage due to strong winds and driving rain from the Moorhead area North to the Canadian Boarder. Gusts to 60 miles per hour occurred near Moorhead and gusts to 70 miles per hour were estimated near Ada. At 2130 cst a barn was demolished Northeast of Hallock and two grain dryers were destroyed. A large shed was destroyed South of Stephen where power outages occurred due to falling limbs and trees. A trailer home was rolled over near Ada and windows were blown out of a gas plant. Scattered areas of crop damage were reported due to the strong wind and hail.								
Oklee (Red Lake County)	17	1250cst			0	0	5	0	Wind
	Strong thunderstorm winds caused widespread damage in Oklee. 5 trailer houses were destroyed and 4 were damaged. The tops of 4 grain bins were sheared off. A brick storage building was blown apart 4 unloaded hopper cars were blown East one half mile down railroad tracks. Considerable house damage occurred and many trees were knocked over. On a farm South of Oklee winds destroyed a building which damaged an airplane it was housing. Three other planes were also damaged								
Sandstone (Pine County)	17	0130-0230cst			0	0	3	0	Wind
	Strong thunderstorm winds uprooted many trees in the Sandstone area.								
Palmdale (Chisago County)	17	0250cst			0	0	4	0	Wind
	Strong thunderstorm winds damaged a pole building a mobile home, a car and uprooted trees west of Palmdale along county road 71. Trees were also knocked over along County Road 75								
Kennedy (Kittson County)	20	1845cst			0	0	0	0	Funnel
	A funnel cloud was observed 1 mile east of Kennedy								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1962

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					KILLED	INJURED	PROPERTY	CROPS	

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	

MINNESOTA

Northern Kittson County	20	1925cst			0	0	0	4	Wind
Wind estimated up to 60 mph caused crop damage North of Hallock near the Canadian border.									
Pennington County	20	1926cst 2005cst			0	0	0	0	Funnels
Three funnel clouds were reported in the vicinity of Thief River Falls and another over Goodridge.									
Polk County	20	2010cst			0	0	0	0	Winds
55 to 60 mph winds were reported at a site 3 miles Southeast of Crookston									
McIntosh (Polk County)	20	2027cst			0	0	0	0	Funnel
A funnel cloud was observed over McIntosh									
Southern Dakota County and Northern Goodhue County	21	0930- 1150cst			0	0	0	0	Heavy Rain
Four and one half inches of rain fell in the Cannon Falls area. Three inches fell within 35 minutes.									
Kittson County	23	1930- 1935cst	1/4	200	0	0	4	3	Tornado(Fo)
A small tornado accompanied by heavy rains hit a farm site in Richardville township. Damage occurred to several buildings...one of the out buildings was totally ruined. Trees and a branches were broken and twisted in one area.									
Dayton (Hennepin County)	25	1345cst			0	1	0	0	Lightning
Lightning struck a Golfer carrying an umbrella on the Daytona Golf Course. The golfer was knocked 6 feet through the air and was left with an assortment of burns ranging from first degree as well as a dislocated jaw									
Crow Wing County	29	1804cst			0	0	0	0	Funnel
A funnel cloud was reported by the public 10 miles North of Brainerd									

22 MISSISSIPPI

Harrison Co.	5	1430 CST			0	0	2	0	High Winds
High winds from a severe thunderstorm blew down trees and blew out four large plate glass windows at a store seven miles north of Gulfport.									
Hancock Co.	5	1645 CST			0	0	0	0	Funnel Cloud
A funnel cloud was sighted 10 miles north of Bay Saint Louis by Hancock County law enforcement officials. Only minor wind damage accompanied the thunderstorm.									
Jackson Co.	5	1725 CDT			0	0	?	0	High Winds
Strong thunderstorm winds blew down trees and damaged a building under construction in eastern Jackson county north of Pascagoula.									
Jackson (Hinds Co.)	7	1600 CST			0	0	4	0	Flash Flood
Heavy thunderstorms dropped from two to three inches of rain in south Jackson. Many streets and local highways were closed due to high water. About 15 residences in south Jackson were flooded.									
Warren Co.	8	1630 CST			0	0	3	0	High Winds
A funnel cloud was reported by the county sheriff's department eight miles north of Vicksburg near Blakley. There were numerous reports of wind damage to trees, signs and utility buildings.									
Sharkey Co.	8	2055 CST			0	0	0	5	Hail
Hail from thunderstorms damaged about 800 acres of soy beans and 400 acres of cotton across southern Sharkey County. Farmers described the hail as "not particularly large but it had an odd oblong shape." Damages were estimated to be over \$100,000.									
George Co.	9	1430 CST			1	0	0	0	Lightning
A 20 year old man was working on a fence at his home in the Central community of George county when he was struck and killed by lightning.									

MISSISSIPPI

Jackson (Hinds Co.)	13	1500CST			0	1	0	0	Lightning
An eight year old girl was struck by lightning while riding in the rear of a truck in Jackson. By time witnesses reached her she had no pulse, but she was revived by resuscitation.									
Jackson (Hinds Co.)	22	1615 CST			0	0	0	0	High Winds
A thunderstorm produced winds gusting to 56 knots at the National Weather Service Forecast Office in Jackson. The only damage reported were a few trees blown down in Rankin County.									
Green Co.	23	1530 CST			1	0	0	0	Lightning
A woman was killed by lightning while helping her husband work on a barbed wire fence in southeastern Green County. Witnesses said the lightning struck a pine tree, jumped to the fence and then to the woman's body.									
Alcorn Co.	23	1600 CST			0	3	4	0	Funnel / Winds
Severe thunderstorms produced widespread wind and lightning damage in Corinth and Alcorn County. Two workers were injured by falling bricks when high winds toppled a concrete wall. One man received minor injuries when an electric charge came through the telephone he was using when outside lines were struck by lightning. There were numerous reports of large trees being blown down across power lines and buildings. Many roofs, windows and signs were damaged by the high winds. The storm left 8,000 electrical customers without power. Damage estimates were set at \$25,000.									
Pascagoula (Jackson Co.)	24	1245 CST			1	0	0	0	Lightning
A Pascagoula oil refinery worker was killed by lightning while walking to his car in a parking lot.									
Perry Co.	30	1430 CST			0	4	0	0	Lightning
Four workers were struck by lightning while walking in a parking lot just north of New Augusta. Three of the men suffered only minor injuries. The fourth man suffered a cardiac arrest when the lightning struck.									
Lauderdale Co.	31	1830 CST			0	0	?	0	Flash Flood
Over seven inches of rain fell in the area just north of Meridian in a 12 hour period. A swift current of flood waters closed state highways 493 and 495. Many other small roads and bridges were closed or flooded. Ten families were evacuated from a trailer park due to rapidly rising water.									

23 MISSOURI

Hickory	1	1542CST			0	0	0	0	Large Hail
Hail to 3/4 inch diameter at Hermitage.									
Pettis	1	1645CST			0	0	3	0	Damaging Wind
Television antennae and large tree limbs downed and van blown off highway at Dresden.									
Audrain	4	1432CST			0	0	0	0	Large Hail
Hail to 3/4 inch diameter in Laddonia.									
Audrain	4	1544CST			0	0	?	?	Large Hail
Hail to golf ball size 12 miles northwest of Mexico.									
Audrain	4	1617CST			0	0	0	0	Large Hail
Hail to one inch diameter at Thompson.									
Audrain	4	1700CST			0	0	?	?	Large Hail
Hail to ping pong ball size between Paris and Mexico near the Monroe Audrain County Line.									
Callaway	4	1718CST			0	0	?	?	Large Hail
Hail to golf ball size on I70 at Millersburg exit.									
Vernon	9	1705CST			0	0	3	0	Damaging Wind
Power lines down due to strong winds. This reported 3 miles east of Nevada.									
Vernon	9	1745CST			0	0	0	0	Large Hail
Hail to 3/4 inch diameter reported at Bronaugh.									
Barton	9	1800- 1900CST			0	0	4	0	Damaging Wind
Wind damage to small buildings, trees and power lines near Nashville.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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									
Camden	9	2100CST	1/2	40	0	0	4	0	Tornado (F2) A tornado touched down 24 miles southwest of Bagnell Dam. Tree boat docks were destroyed, a house was damaged, a boat destroyed and a number of trees damaged or uprooted.
Greene	13	1145CST			0	0	?	?	Large Hail Baseball size hail reported on West Chestnut Express in west Springfield.
Cole	15	1520CST			0	0	1	0	Damaging Wind Winds estimated to 60 mph blew out a window in the eastern part of Jefferson City.
Macon	15	1708CST			0	0	3	0	Damaging Wind Trees and power lines down in Macon.
Pulaski	20	2000CST			0	0	0	0	High Wind Winds to 65 mph reported in Waynesville.
Stoddard	21	1515CST			0	0	2	0	Damaging Wind The sheriff of Stoddard County reports hail to marble size and a number of trees uprooted around Bloomfield.
Lawrence	22	1030CST			0	0	1	0	Damaging Wind A plate glass window was blown in at a gas station south of Aurora. Glass cut the foot of the store clerk.
24 MONTANA									
Prairie, Dawson, Wibaux, and Richland Counties	04	1800 MST			0	0	?	?	Hail 3/4 inch hail destroyed dryland crops and broke windows and caused roof and siding damage in Glendive.
Silver Bow, Lewis & Clark Counties	07	1300 to 1400 MST			0	0	?	?	Winds Winds over 55 miles per hour blew the northern cornice from an old building in Butte. The falling bricks destroyed one automobile and damaged another. Windows were broken and small sheds were also destroyed. A 22-ft. cabin cruiser was lifted onto the dock at Canyon Ferry.
Sheridan County	16	1015 MST			0	3	?	?	Winds and hail Strong winds destroyed a mobile home and injured the three persons inside. Hail destroyed many crops.
Rosebud County	22	1730 MST			0	0	?	?	Winds Winds blew down many trees, overturned a semi-trailer truck and destroyed numerous outbuildings in the southern part of the county. Lightning started eight small forest fires.
Southeast Big Horn, extreme southern Rosebud, and southern Powder River Counties	24	1300-2130 MST			0	0	?	?	Flash Flood Severe thunderstorms accompanied by heavy rains, up to 4 to 5 inches in one to two hours, caused flash flooding. The thunderstorms had moved ENE out of the Big Horn mountains. Also, hail and strong winds destroyed crops and outbuildings.
25 NEBRASKA									
Adams, Clay, Hall, Nuckolls and Thayer Counties	02	0200CST			0	0	5	6	Flash Flood Heavy rains over 3 inches fell from Hall through Nuckolls Counties causing flash flooding of streets, underpasses, small creeks and rivers. Many county roads were under water in all 5 counties. Deshler experienced the worst urban flooding since 1935 from a small creek that runs through town. Flooding of lowlying areas occurred along the Little Blue River, Republican River and the Big Sandy, mostly in Clay and Nuckolls Counties. Crop damage was over a million dollars, over a half million to homes and outbuildings.
Jefferson County	02	0300CST			0	0	2	6	Flash Flood Heavy rain west and north of Fairbury caused lowland flooding, destroying 2000 acres of corn and milo. Also damage to roads.
Scottsbluff County	04	1500CST			0	0	0	0	Funnel Cloud Funnel cloud sighted near Wildcat Hills to the south of Scottsbluff.
NEBRASKA									
Boone County	05	1500CST			0	0	3	0	Damaging Winds Thunderstorm winds caused damage to trees and power lines with power out at St. Edward for 3 hours.
Boone County	05	1500CST -1800CST			0	0	3	4	Flash Flood 4.6 inches of rain in Loretto flooded lowlands in eastern Boone County.
Washington County	05	1645CST			0	0	6	0	Damaging winds Thunderstorm winds damaged a 2 mile long strip between highways 30 and 91 west of Kennard. The damage included a barn, a number of farm homes, 5 sheds along with trees and power lines.
Dixon County	05	1700CST			0	0	4	0	Damaging Winds Trees and power lines were damaged by thunderstorm winds at Wakefield.
Dixon County	05	1700CST -2000CST			0	0	4	4	Flash Flood 3.5 inches of rain in Wakefield flooded lowlands in the county. Coon Creek flooded Highway 16, three miles south of Wakefield.
Howard County	05	1700CST			0	0	3	4	Flash Flood Four to 7 inches of rain caused flooding of low lying areas along creeks.
Valley County	05	1745CST			0	0	4	3	Damaging Winds Thunderstorm winds gusted to 85 m.p.h. at Ord with property and crop damage.
Adams County	05	1826CST			0	0	3	3	Damaging Winds In Ayr, 50 to 60 m.p.h. thunderstorm wind gusts caused property damage.
Thurston County	05	2110CST			0	0	?	?	Flash Flood Heavy rain forced water over the highway north of Winnebago.
Thomas County	05	2230CST			0	0	4	3	Hail Three-quarter inch hail in and around Theford destroyed row crops and gardens and caused damage to windows, automobiles and roofs of homes.
Douglas County	06	0300CST			0	0	3	0	Damaging Winds In Omaha, thunderstorm winds broke a few tree limbs resulting in power outages.
Keith County	08	1620CST -1720CST			0	0	3	0	Damaging Winds and Hail Strong thunderstorm winds caused minor damage around Brule. Near Lemoyne, a few hailstones to 2 inches in diameter were reported.
Dundy County	09	1600CST	3/4	30	0	0	5	0	Tornado (F1) Small tornado struck a farm in the northwest corner of the county, 33 miles northwest of Benkelman. Damage to center pivot sprinklers, trees and 2 homes.
Hitchcock County	09	1605CST			0	0	0	0	Funnel Cloud A funnel cloud was sighted in extreme southeast Hitchcock County.
Red Willow County	09	1630CST			0	0	2	3	Flash Flood Estimated 5 inches of rain fell just northwest of McCook with considerable street flooding in McCook.
Lincoln County	09	1650CST			0	0	3	3	Hail One inch hail was reported around Hershey.
Dawson County	09	1710CST			0	0	?	?	Hail Three-quarter inch hail fell at Summer. No damage reported.
Washington and Dodge Counties	09	1715CST			0	0	3	5	Flash Flood Four to 6 inches of rain caused areas of flooding and heavy soil erosion from west of Nickerson into western Washington County. Some street flooding also reported in Dodge and Synder.
Burt County	09	1720CST			0	0	3	5	Flash Flood Rain to 4 inches caused flash flooding with resulting soil erosion and crop damage from Lyons, east to Highway 73. The highway was closed for a time because of water north of Tekamah. Silver Creek was also out of banks.
Lincoln County	09	1726CST			0	0	3	0	Damaging Winds Sixty m.p.h. thunderstorm winds hit North Platte with some property damage.
Burt County	09	1730CST			0	0	?	?	Hail One and a half inch hail fell just west of Oakland. No damage reported.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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					KILLED	INJURED	PROPERTY	CROPS	

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

NEBRASKA

Perkins and Hayes Counties	09	1800CST -2300CST	0	0	4	4	Flash Flood	Rain of 3 inches or more caused crop damage and road washouts in eastern Perkins and northwest Hayes County. Considerable lowland overflow.
Lincoln County	09	1815CST	0	0	2	3	Hail	One and a half inch hail was reported 3 miles south of Brady with some crop and property damage.
Nance County	09	1815CST	0	0	4	4	Damaging Winds and Hail	Two and a half inch hail and high winds caused outbuilding and crop damage around Belgrade.
Nance County	09	1815CST	0	0	3	5	Flash Flood	Five inches of rain fell in less than 2 hours southwest of Belgrade, flooding low areas and damaging crops.
Stanton County	09	1830CST -2200CST	0	0	6	4	Flash Flood	Up to 6 inches of rain 3 miles east of Stanton caused lowland flooding along Payne and Cedar Creeks. Floodwater was over Highway 275 and washed out 5 mile section of railroad track.
Howard County	09	1930CST	0	0	3	3	Flash Flood	4.3 inches of rain 6 miles northwest of St. Paul flooded low lying areas with minor damage.
Hall County	09	2030CST	0	0	2	0	Damaging Winds	Thunderstorm winds caused sign damage in the north part of Grand Island.
Kimball County	11	1140CST	0	0	0	4	Hail	Half inch hail accumulated to a depth of 4 inches around Dix. Driven by strong winds, crop damage resulted.
Kimball County	11	1210CST	0	0	0	0	Funnel Cloud	A funnel cloud was reported 10 miles southeast of Kimball.
Boone County	13	1400CST -1600CST	0	0	3	4	Flash Flood	Rain to 5 inches caused considerable lowland and urban flooding along Shell and Beaver Creeks. Beaver Creek flooded much of western and downtown areas of St. Edward.
Boone County	13	1400CST	0	0	5	6	Damaging Winds and Hail	Large hail damaged cars and buildings in Albion. Hail also damaged crops in a 9 mile long strip north of Petersburg and a 7 mile strip 4 miles northeast of Albion. At Petersburg, high thunderstorm winds downed power lines.
Merrick, Nance and Hamilton Counties	13	1650CST -1900CST	0	0	4	5	Hail	One and a half inch hail fell in Central City and near Fullerton, Hordville, Giltner along with scattered areas in Hamilton County. Some roof damage occurred in Central City. Crop damage was considerable in the 3 counties.
Clay County	13	1945CST	0	0	0	4	Hail	One and a half inch hail caused crop damage 2 miles west of Harvard.
Hitchcock County	14	1600CST	0	0	0	4	Hail	Hail heavily damaged crops just northwest of Culbertson.
Cherry County	14	2030CST	0	0	4	0	Damaging Winds	Very strong thunderstorm winds downed trees and power lines along with causing some structural damage at Valentine.
Platte County	15	0000CST	0	0	3	0	Damaging Winds	Between Monroe and Platte Center, thunderstorms blew down power lines.
Platte County	16	0800CST	0	0	3	0	Damaging Winds	Trees and power lines were damaged by thunderstorm winds at Columbus.
Buffalo County	17	0200CST	0	0	3	0	Damaging Winds	A storage bin was damaged by a thunderstorm gust at Shelton.
Thayer County	17	1835CST	0	0	6	6	Damaging Winds and Hail	Hail to 2½ inches and winds to over 60 m.p.h. cut a 3 mile wide path from near Byron to southeast of Alexandria, damaging 75 farm houses, 200 outbuildings and 30,000 acres of crops. At Chester, a camper was blown off a pickup and a football announcement booth was destroyed.

NEBRASKA

Jefferson County	17	1900CST	0	0	4	5	Damaging Winds and Hail	Three-quarter inch hail driven by winds estimated 60 to 65 m.p.h. damaged roofs and broke windows around and to the west and north of Fairbury. Heavy crop damage also.
Gage County	17	1920CST	0	0	4	5	Damaging Winds and Hail	Hail to 2 inches with high winds broke windows and damaged roofs and crops around Beatrice. Some trees also were blown down.
Lancaster County	17	1940CST	0	0	4	4	Damaging Winds and Hail	One and a half inch hail driven by high winds damaged crops and some buildings around Panama. At the Lincoln airport, a wind gust to 55 m.p.h. damaged a parked aircraft.
Otoe County	17	2035CST	0	0	3	0	Damaging Winds	Thunderstorm winds at Syracuse blew down trees.
Cuming, Pierce, Stanton, and Wayne Counties	19	0000CST -0230CST	0	0	6	7	Damaging Winds and Hail	High winds and hail caused extreme damage to crops, trees and property. Cuming County had a hail swath 7 miles wide and 22 miles long with crop damage estimated over 20 million dollars.
Dodge and Washington Counties	19	0300CST -0400CST	0	5	6	7	Damaging Winds and Hail	One to two inch hail with some stones to 4 inches driven by wind gusts to 75 m.p.h. cut a 5 mile wide swath of extreme damage to crops and property from 5 miles northeast of Scribner southeast through Hooper, Winslow and Nickerson to the area around and southeast of Arlington. Many fields in the area were completely stripped of crops. Over 300 farms reported damage to buildings and crops. Most windows on the north side of structures in the storm path were broken by hail. Heavy hail damage to siding, roofs and vehicles. Five persons were injured by flying broken glass on a farm north of Arlington. Many trees and power lines were also reported down in the area.
Douglas County	19	0415CST	0	0	3	4	Damaging Winds and Hail	One inch hail and strong winds caused some crop and property damage around Bennington.
Custer County	20	1642CST	0	0	0	0	Funnel Cloud	A funnel cloud was sighted 7 miles northwest of Broken Bow by a trained spotter.
Custer County	20	1715CST	0	0	4	4	Damaging Winds	Thunderstorm winds gusted to 69 m.p.h. at the Broken Bow airport. Trees and power lines were reported down with some damage to homes. Crops were also flattened.
Hall County	20	1905CST	0	0	3	0	Damaging Winds	Thunderstorm winds gusted to 59 m.p.h. at the Grand Island airport.
Adams County	20	1915CST	0	0	4	2	Damaging Winds	At Hastings, 70 m.p.h. winds in thunderstorms caused tree and power line damage.
Clay and Fillmore Counties	20	1930CST	0	0	4	3	Damaging Winds	Thunderstorm winds uprooted trees in Clay and Fillmore Counties.
York County	20	1958CST	0	0	4	0	Damaging Winds	Seventy m.p.h. winds caused tree damage around York.
Polk County	20	2010CST	0	0	4	0	Damaging Winds	Trees were uprooted by thunderstorms at Osceola.
Buffalo County	20	2025CST -2040CST	0	0	3	0	Damaging Winds	Sixty m.p.h. thunderstorm winds were reported in Pleasanton and also 10 miles south of Ravenna.
Adams County	20	2115CST	0	0	2	2	Hail	One and a half inch hail was reported at Kenesaw.
Otoe County	20	2145CST	0	0	5	0	Lightning	Lightning strike caused heavy damage to a power plant main generator at Nebraska City.
Dodge County	20	2205CST	0	0	4	3	Hail	One inch hail damaged a few cars and buildings northwest of Fremont. Minor crop damage also reported.
Dakota County	21	0015CST	0	0	4	0	Damaging Winds	At South Sioux City, thunderstorm winds to 55 m.p.h. damaged an inflatable ice arena and broke tree limbs.

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NEBRASKA									
Clay County	22	0300CST			0	0	4	5	Damaging Winds and Hail
	One and a half inch hail with 60 m.p.h. winds knocked out windows in several homes and caused nearly 100 percent crop damage in a path 3 to 4 miles wide from east of Hastings to north of Glenville.								
Scottsbluff County	22	1637CST			0	0	0	0	Funnel Cloud
	Aircraft sighted a funnel cloud 5 miles east of Scottsbluff.								
Platte County	26	1400CST			0	0	3	0	Damaging Winds
	At Columbus, trees and power lines were damaged by thunderstorm winds.								
Kearney County	26	1700CST			0	0	3	3	Damaging Winds
	Winds gusted to 60 m.p.h. in a thunderstorm at Wilcox.								
Kearney County	26	1725CST			0	2	5	3	Damaging Winds
	Thunderstorm winds estimated over 100 m.p.h. hit the Heartwell area removing the roof of a building in town and doing major tree damage. One mile south of town a mobile home was destroyed. Two occupants were thrown several yards from the home and incurred minor injuries. A farm home 2 miles from Heartwell was damaged when a grain bin was tossed over the roof. Power lines were downed in the area as well as some crop damage.								
Dawson County	26	1740CST			0	0	5	5	Flash Flood
	5.5 inches of rain fell in the Overton area causing major urban flooding and considerable crop damage. Three homes were damaged by floodwaters.								
Adams County	26	1830CST			0	0	3	3	Damaging Winds
	Minor wind damage by thunderstorms was reported at Holstein.								
Scottsbluff and Morrill Counties	28	2300CST			0	0	4	4	Flash Flood
	Two to 6 inches of rain fell over much of the area with the heaviest rainfall near Bridgeport. Crop damage and road washouts reported.								
26 NEVADA									
Dayton	25	Evening			0	0	4	0	Flash Flood
	County offices flooded as heavy rain collected roof.								
10 NW Yerrington	28	1900PST			0	0	5	6	Flash Flood
	Nearly \$2 million in damage, mostly to the recently cut hay crop.								
27 NEW HAMPSHIRE									
Mt. Lincoln, Grafton County	19	1400EST			1	2	0	0	Thunderstorm
	Lightning struck and killed a 24 year old female and injured two other hikers on the Franconia Notch trail. The party of ten hikers got trapped above the tree line near the summit of Mt. Lincoln by the fast moving storm.								
Pelham, Hillsboro County	19	1400EST			0	0	4	0	Thunderstorm
	Thunderstorm produced a downburst with winds estimated between 50 and 60 mph, which knocked down 10 to 20 trees in a 1000 foot swath between two homes. Only minor damage to a boathouse roof was reported.								
28 NEW JERSEY									
Ocean County	12	1545-1600EST			0	0	6	?	Severe Thunderstorm, Torrents of Rain, High Winds, Dime Size Hail
	Winds estimating to be 60 to 70 miles an hour accompanied by torrents of rain became a violent thunderstorm. A ferris wheel toppled by the storm was placed by the force of the wind atop another amusement ride at Seaside Heights Casino Pier. A roof collapsed at Henry's Playland because of the storm. The storm caused power outages, fires, and flooding in the area of the boardwalk arcade.								
Near Ocean County	20	about noon			1	0	?	?	Intense Thunderstorm
	Lightning struck and killed a youth who was boating during the severe thunderstorm. Roads were flooded and electrical outages occurred during the thunderstorm.								
NEW JERSEY									
Ocean County (Brick Township)	28	AM-PM			0	0	?	?	Severe Thunderstorm
	A series of violent thunderstorms struck houses causing fires, flooding, and power outages.								
Dorchester	28	Mid-morning			0	1	?	?	Severe Thunderstorm
	A youth was struck by lightning while standing by the kitchen sink holding a metal spoon. The lightning bolt traveled through the screen door and hit him on the hand.								
29 NEW MEXICO									
Portales, Roosevelt County, to Hobbs, Lea County	11	Afternoon	-	-	-	-	4	0	Thunderstorm with high winds and flooding
	Thunderstorms occurred during mid-afternoon and early evening with three or four inches of rainfall causing flooding. Accompanying high winds caused damage to trailers and lightly built structures.								
Ruidoso, Lincoln County	11	Afternoon	-	-	-	-	4	0	Thunderstorm and heavy rain
	Heavy rains of one to two inches from thunderstorms soaked the Ruidoso area and caused mudslides in the City.								
Red River, Taos County	17	Afternoon	-	-	1	-	4	0	Heavy rains and mudslides
	Heavy rain during the afternoon hours soaked the area near Red River. At approximately 10 PM a young woman lost her life when a mudslide swept her car into an arroyo.								
Albuquerque, Bernalillo County	22	1500MST	-	-	-	1	4	0	Heavy rains
	A thunderstorm accompanied by heavy rains caused some flooding in the Northeast Heights of Albuquerque. Two or three cars were pushed into ditches. One policeman was injured while helping rescue a baby from a car swept into one of the ditches.								
Zuni, McKinley County	29	Afternoon	-	-	-	-	4	0	Heavy rains
	Heavy rains flooded the Zuni Indian Village. Roads and some homes were damaged.								
Albuquerque, Bernalillo County	31	1600MST	-	-	-	-	5	0	Heavy rains
	Heavy rains accompanying thunderstorms caused damage to streets, cement ditches, and other City property.								
30 NEW YORK, Coastal									
Extreme SE Nassau Co., Suffolk Co., New York City, and Westchester	20	1100 to 1500 EST			0	0	?	?	Thunderstorms w/ hail, rain and high winds
	A storm which raged for four hours over Smithtown, Hauppauge, Deer Park, and as far west as Hicksville produced marble-sized hailstones, unconfirmed reports of funnel clouds and jagged chains of lightning. The wind, gusting to 50 miles per hour, fog, rain and lightning caused delays at the three airports that serve the city.								
New York City	28	0100 to 2100 EST			0	0	?	?	Thunderstorms with torrential rains
	The storms struck with considerable force across the East Coast and Staten Island producing over two inches of rain in the Manhattan area. The storms caused flooding inducing downpours and left some residents without lights for at least an hour. An otherwise arid month, with less than an inch of rain to this date, July was brought to within one half inch of normal rainfall by the storms.								
The Bronx	28				0	0	?	?	Lightning
	A man was struck by lightning and knocked unconscious as he leaned against a metal fence.								
30 NEW YORK, Central — NO REPORT RECEIVED									

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30 NEW YORK, Western

North Collins and Lawton in Erie County	07	1430 EST	-	-	0	0	4	-	Wind. Damaging winds from a thunderstorm blew out window glasses, tore off gutters, damaged sidings of about 5 homes. A new barn was flattened, and a couple of trailer homes rolled over. Many tall trees were uprooted.
Farmington in Ontario County; Towns of Utica & Pavilion Genesee Co.	07	1730 EST	-	-	1	1	4	-	Lightning & Wind. A heavy thunderstorm uprooted a huge tree which squashed a car occupied by a married couple. The man was killed and his pregnant wife suffered extensive injuries. Lightning struck and caused heavy fire damage to a few houses in the Towns of Utica and Pavilion.
Persia in Cattaraugus County	17	1450 EST	-	-	0	0	4	-	Wind & Rain. A strong damaging wind from a thunderstorm smashed a barn and a mobile home, overturned campers, stripped roof shingles off a house, twisted a barn off its foundation.
Rochester, Monroe City Dunkirk & Westfield, Chautauque Co. parts of Seneca, Wayne & Ontario Counties	18	-	-	-	0	0	5	-	Lightning & Wind. Strong winds of a thunderstorm felled many trees and broke power lines to render thousands of homes in Rochester without electricity for many hours. In Dunkirk a large tree was split by lightning and fell onto a house and caused extensive damage. There was a widespread power blackout due to numerous broken powerlines which affected Dunkirk and Westfield. In parts of Seneca, Wayne and Ontario, there were reports of slight damage to homes. There were also power blackouts there.
Jamestown, Chautauque County	28	0620 EST	4	250	0	?	5	-	Tornado (F1) A waterspout over Chautauque Lake moved southeast towards the heart of Jamestown. Many homes suffered slight damage from felled trees. A few cars were smashed. Roofs and walls of a few commercial buildings were heavily damaged. A garage and barn were torn off their foundations, swirled in the sky and dropped in splinters.
Sherman, Chautauque County; Salamanca, Cattaraugus County; Niagara Falls and Lockport, Niagara City.	28	0630 EST	-	-	0	2	4	-	Lightning & Wind. Lightning scorched a man in Sherman and another in Salamanca. Both were hospitalized for severe burns. Strong winds downed many power lines and rendered many residents of Niagara Falls and Lockport without electricity for many hours.
Sheridan, Chautauque County	28	1615 EST	1/8	50	0	1	2	-	Tornado (F0) A County Sheriff reportedly spotted a small and noisy tornado. It briefly dropped by McDonalds and tore off its sign which struck and injured a customer.
Riverside, Steuben County	28	Evening	-	-	0	0	5	-	Lightning Lightning struck a 130-year-old historical landmark and burned it down.

31 NORTH CAROLINA

SALEMBURG, SAMPLE CO.	04	1930EST	-	-	0	0	0	5	Wind, Hail A thunderstorm accompanied by high winds and large hail destroyed \$365,000 worth of tobacco in the vicinity of Salemburg.
CLINTON, SAMPSON CO.	04	2030EST	-	-	0	0	?	?	Wind High winds with a thunderstorm blew over trees on a power line.
BEAUFORT COUNTY	07	1045EST	-	-	0	0	0	0	Waterspout A waterspout was spotted along the Pungo River South of Belhaven.
CARTERET COUNTY	08	0815EST	-	-	0	0	0	0	Waterspout Numerous waterspouts sighted off Cape Lookout.
WINSTON SALEM, FORSYTH COUNTY	08	EVENING	-	-	0	1	0	0	Lightning A man was injured on a golf course when struck by lightning.
MANTO, DARE COUNTY	09	EVENING	-	-	0	0	?	0	Lightning Three houses were struck by lightning, two damaged and one destroyed by fire.
CARTERET COUNTY	11	1105EST	-	-	0	0	0	0	Waterspout A waterspout was sighted south of Beaufort Inlet.
BURKE COUNTY	11	EVENING	-	-	0	0	?	0	Lightning A mobile home was destroyed by fire after being struck by lightning.
OXFORD, CRANVILLE CO.	11	EVENING	-	-	0	0	?	?	Wind A severe thunderstorm with high winds uprooted trees and blew out windows in some homes in Oxford.

NORTH CAROLINA

CARTERET COUNTY	15	1110EST	-	-	0	0	0	0	Waterspout A waterspout was sighted in Core Sound between Harkers Island and Marshallburg.
CARTERET COUNTY	16	0757EST	-	-	0	0	0	0	Waterspout A waterspout was sighted South of Indian Beach.
LUMBERTON, ROBESON COUNTY	16	EVENING	-	-	0	0	?	0	Lightning A house was destroyed by fire after being struck by lightning.
RUTHERFORD COUNTY	17	AFTERNOON	-	-	1	0	0	0	Lightning A man was killed by lightning near Whitehouse Community.
CUMBERLAND COUNTY	17	1740EST	-	-	0	0	0	0	Hail One and three-quarter inch hail was reported in a thunderstorm.
MAXTON, ROBESON CO.	20	1430EST	-	-	0	0	?	0	Wind A mobile home was destroyed and some out buildings damaged by strong winds during a thunderstorm.
CHARLOTTE, MECKLENBURG COUNTY	22	1105EST	-	-	1	2	0	0	Lightning One man was killed and two injured when struck by lightning on a golf course.
WAYNE COUNTY	31	EVENING	-	-	0	0	?	0	Lightning One mobile home was destroyed and a house damaged when struck by lightning.

32 NORTH DAKOTA

Harwood (Cass County)	02	2015CST	-	-	0	0	0	0	Hail Hail up to 3/4 inch in diameter. No damage reported.
Adams 7SW (Walsh County)	04	1420CST	-	-	0	0	0	5	Hail Hail two inches in diameter damaged crops.
Streeter 8NW (Kidder County)	04	1725CST	-	-	0	0	4	0	Hail Golfball-sized hail cracked or shattered car windshields.
Dazey 5NW (Barnes County)	04	1730CST	Short Narrow	0	0	5	0	0	Tornado (F1) A tornado knocked down trees, destroyed a barn and garage, and damaged several houses.
Devils Lake (Ramsey County)	04	1745CST	-	-	-	-	-	-	Funnels (3)
Streeter 5W (Stutsman County)	04	1759CST	5.0	200	0	0	5	0	Tornado (F2) A tornado destroyed 40 bales of hay and a barn.
Hannaford (Griggs County)	04	1800CST	-	-	0	0	4	0	Thunderstorm Winds Strong thunderstorm winds uprooted trees.
Devils Lake (Ramsey County)	04	1803CST	Short Narrow	0	0	0	0	0	Tornado (F0) A tornado touched down briefly in an open field. No damage reported.
Fairdale (Walsh County)	04	1830CST	-	-	0	0	5	0	Thunderstorm Winds Strong thunderstorm winds blew the roof off a grain elevator.
Cooperstown 7S (Griggs County)	04	1830CST	Short Narrow	0	0	0	0	0	Tornado (F0) A tornado touched down briefly. No damage reported.
Finley 3S (Steele County)	04	1834CST	Short Narrow	0	0	0	0	0	Tornado (F0) A tornado touched down briefly. No damage reported.
Gackle 5N (Stutsman County)	04	1850CST	-	-	0	0	0	0	Hail Fist-sized hail. No damage reported.
Finley 12E (Steele County)	04	1858CST	-	-	-	-	-	-	Funnel
Northwood (Grand Forks County)	04	1910CST	-	-	-	-	-	-	Funnel
Hope (Steele County)	04	1915CST	-	-	0	0	5	0	Thunderstorm Winds Strong thunderstorm winds uprooted trees; and damaged grain bins, and farm buildings.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
— NORTH DAKOTA										— NORTH DAKOTA									
Grand Forks (Grand Forks County)	04	1935CST			0	0	5	0	Thunderstorm Winds	McClusky (Sheridan County)	05	0400CST			0	0	5	5	Thunderstorm Winds
Strong thunderstorm winds (measured at 82 mph at Grand Forks airport) blew down a 200-foot radio tower; toppled street lights and signs; blew the roof off a mobile home; damaged trees; and blew boats into a ditch.										Strong thunderstorm winds and walnut-sized hail damaged barns, vehicles, houses and crops; and trees and granaries were blown down.									
Honeyford 3E (Grand Forks County)	04	1938CST	Short Narrow	0	0	4	0	Tornado (F1)	Goodrich (Sheridan County)	05	0415CST			0	0	5	6	Hail	
A tornado touched down briefly and uprooted trees.										Softball-sized hail punched holes in houses and campers; broke windows; damaged houses and a grainery and destroyed crops.									
Hillsboro (Traill County)	04	1940CST			0	0	4	0	Thunderstorm Winds	Hurdsfield 10N (Wells County)	05	0425CST			0	0	0	6	Hail
Strong thunderstorm winds blew a camper and motor home into a ditch.										Softball-sized hail severely damaged crops.									
Mayville (Traill County)	04	1940CST			0	0	5	0	Thunderstorm Winds	Abercrombie (Richland County)	05	1625CST			0	0	0	0	Hail
Strong thunderstorm winds flipped an unoccupied trailer home; destroyed buildings and trees; and severely damaged a small plane.										Hail up to one inch in diameter. No damage reported.									
Portland 2W (Traill County)	04	1940CST							Funnel	Dwight (Richland County)	05	1625CST			0	0	0	0	Hail
										Golfball-sized hail. No damage reported.									
Grafton 30SE (Walsh County)	04	2020CST							Funnel	Wahpeton 4W (Richland County)	06	1020CST							Funnel
Grafton 3W (Walsh County)	04	2355CST			0	0	0	5	Hail	Mantador (Richland County)	08	1620CST			0	0	4	5	Thunderstorm Winds
Golfball-sized hail severely damaged crops. Heavy rains (up to 6 inches) flooded farm fields.										Strong thunderstorm winds and golfball-sized hail punched holes in a house, caved in the roof of a car and severely damaged crops.									
St. Thomas 6E (Pembina County)	05	0028CST			0	0	0	4	Hail	Manning 5N (Dunn County)	08	1621CST	Short Narrow	0	0	4	0	Tornado (F1)	
Hail one inch in diameter damaged crops.										A tornado touched down briefly and demolished some farm buildings and farm machinery.									
Bowman (Bowman County)	05	0108CST			0	0	0	0	Thunderstorm Winds	Crosby 16S (Divide County)	08	1625CST			0	0	3	0	Lightning
Strong thunderstorm winds (measured at 75 mph). No damage reported.										Lightning struck and killed a hereford bull and cow.									
Edgeley (LaMoure County)	05	0115CST	Short Narrow	0	0	4	0	Tornado (F1)	Manning (Dunn County)	08	1628CST			0	0	4	0	Thunderstorm Winds	
A tornado snapped off trees, demolished the roof of a pole barn and twisted wire fencing.										Strong thunderstorm winds and hail up to two inches in diameter knocked out a plexiglass window and blew over trees.									
Scranton (Bowman County)	05	0132CST			0	0	0	0	Hail	Barney (Richland County)	08	1630CST			0	0	4	5	Thunderstorm Winds
Golfball-sized hail. No damage reported.										Strong thunderstorm winds and golfball-sized hail blew out windows, knocked over numerous trees, and severely damaged crops.									
Devils Lake 8S (Ramsey County)	05	0138CST			0	0	0	0	Hail	Hebron (Morton County)	08	1745CST			0	0	0	0	Hail
Golfball-sized hail. No damage reported.										Golfball-sized hail. No damage reported.									
Halliday (Dunn County)	05	0145CST			0	0	3	0	Thunderstorm Winds	Fargo (Cass County)	08	1810CST							Funnel
Strong thunderstorm winds knocked over trees.																			
Dickinson (Stark County)	05	0147CST			0	0	3	0	Hail	Granville 2W (McHenry County)	08	1857CST							Funnel
Golfball-sized hail destroyed numerous carnival lights.																			
Gladstone (Stark County)	05	0220CST			0	0	0	5	Hail	Washburn (McLean County)	08	1858CST			0	0	3	0	Lightning
Golfball-sized hail severely damaged crops.										Lightning struck an old house and burned the house down.									
Hebron (Morton County)	05	0220CST			0	0	3	0	Thunderstorm Winds	Parshall (Mountrail County)	09	1658CST							Funnel
Strong thunderstorm winds knocked over trees.																			
Taylor (Stark County)	05	0230CST			0	0	0	0	Hail	Bottineau 5N (Bottineau County)	09	1743CST	Short Narrow	0	0	0	0	Tornado (F0)	
Strong thunderstorm winds (measured at 58 mph) and hail up to 1½ inches in diameter. No damage reported.										A tornado touched down briefly. No damage was reported.									
Glen Ullin (Morton County)	05	0242CST			0	0	3	0	Thunderstorm Winds	Powers Lake 4W (Burke County)	09	1909CST							Funnel
Strong thunderstorm winds knocked over trees.																			
Orrin 5N (Pierce County)	05	0300CST			0	0	4	0	Lightning	Crosby 20S (Divide County)	09	1926CST							Funnels (2)
Lightning killed nine head of cattle.																			
Harvey (Wells County)	05	0300CST			0	0	5	0	Thunderstorm Winds	Ross 5N (Mountrail County)	09	1932CST	Short Narrow	0	0	0	0	Tornado (F0)	
Strong thunderstorm winds flattened two barns; uprooted trees; downed power lines; damaged buildings; and demolished a trailer house. A car became submerged in water while trying to go through a flooded underpass.										Tornado touched down briefly. No damage reported.									
Bismarck/Mandan (Burleigh/Morton Counties)	05	0323CST			0	0	5	0	Thunderstorm Winds	Ross 15SW (Mountrail County)	09	2025CST							Funnel
Strong thunderstorm winds (measured at 74 mph at Bismarck airport at 0323CST and again at 0332CST) caused extensive tree damage and several cars were damaged by falling tree limbs; knocked out power to 8,000 customers; leveled two dairy barns; and damaged gardens.																			
Turtle Lake (McLean County)	05	0345CST			0	0	5	5	Thunderstorm Winds	Stanley 7NW (Mountrail County)	09	2030CST							Funnels (3)
Strong thunderstorm winds along with baseball-sized hail destroyed a grain bin; and damaged boats, campers, vehicles and crops.																			
Wilton 12N (McLean County)	05	0345CST			0	0	5	5	Thunderstorm Winds	Jamestown 10SE (Stutsman County)	12	2120CST			0	0	5	0	Lightning
Strong thunderstorm winds and golfball-sized hail destroyed barns, broke windows on houses, destroyed 30 campers, damaged siding on houses, and destroyed crops.										Lightning struck a power pole and set a barn on fire. More than 25 Arabian horses in the barn were killed.									
Regan (Burleigh County)	05	0355CST			0	0	4	5	Hail	Crosby 7NE (Divide County)	14	1908CST	Short Narrow	0	0	0	0	Tornado (F0)	
Golfball-sized hail broke windows on houses and vehicles; and severely damaged crops.										A tornado touched down briefly. No damage reported.									
										Marshall 10SW (Dunn County)	14	1930CST			0	0	0	5	Hail
										Noonan (Divide County)	14	2020CST							Funnel
										Powers Lake 10NW (Burke County)	14	2026CST							Funnel

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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	
— NORTH DAKOTA									
Lignite 55 (Burke County)	14	2040CST	Short Narrow	0	0	0	0	0	Tornado (F0) A tornado touched down briefly. No damage reported.
Hankinson 6SE (Richland County)	14	2045CST			0	0	2	4	Thunderstorm Winds Strong thunderstorm winds demolished a storage shed and damaged crops.
Dickinson 3W (Stark County)	15	1553CST			0	0	3	0	Hail Golfball-sized hail dented a car.
Grassy Butte (McKenzie County)	15	1600CST			0	0	4	0	Hail Golfball-sized hail damaged crops.
Minot AFB 4SW (Ward County)	15	1650CST							Funnel
Minot AFB 10NW (Renville County)	15	1720CST			0	0	0	5	Hail Golfball-sized hail damaged crops.
Stanley (Mountrail County)	15	1730CST			0	0	0	4	Hail Golfball-sized hail damaged crops.
Minot AFB 8NW (Renville County)	15	1730CST							Funnel
Manning (Dunn County)	15	1732CST			0	0	0	0	Hail Golfball-sized hail. No damage reported.
Lansford (Bottineau County)	15	1758CST			0	0	0	5	Hail Hail 3/4 inch in diameter damaged crops.
Powers Lake 12NW (Burke County)	15	1816CST							Funnel
Mohall (Renville County)	15	1821CST							Funnel
Lansford (Renville County)	15	1950CST							Funnel
Hettinger (Adams County)	15	2206CST			0	0	3	0	Thunderstorm Winds Strong thunderstorm winds overturned campers.
New England (Hettinger County)	15	2245CST			0	0	4	0	Funnel Thunderstorm Winds Strong thunderstorm winds damaged the High School gym roof.
Harlow (Benson County)	16	2000CST			0	0	2	0	Hail Softball-sized hail broke windows.
Churchs Ferry (Ramsey County)	16	2015CST			0	0	0	4	Hail Walnut-sized hail damaged crops.
Minnewauken (Benson County)	16	2015CST			0	0	0	0	Hail Golfball-sized hail. No damage reported.
Oberon (Benson County)	16	2017CST			0	0	4	0	Thunderstorm Winds Strong thunderstorm winds blew over a barn.
New Rockford (Eddy County)	16	2017CST			0	0	0	0	Hail Hail 1 1/2 inches in diameter. No damage reported.
Fordville (Walsh County)	16	2150CST			0	1	6	0	Thunderstorm Winds Strong thunderstorm winds damaged a grain elevator and the public school; uprooted trees and blew out windows. One girl suffered minor injuries.
Grand Forks 5NW (Grand Forks County)	16	2300CST							Funnel
Davenport (Cass County)	16	2340CST			0	0	5	0	Thunderstorm Winds Strong thunderstorm winds knocked over trees, blew out windows, and damaged a grain elevator.
Fargo (Cass County)	16	2345CST			0	0	5	0	Thunderstorm Winds Strong thunderstorm winds (measured at 69 mph at the airport) set a Northwest Airline 729 on its tail.
Hankinson (Richland County)	16	2350CST			0	0	3	0	Thunderstorm Winds Strong thunderstorm winds crumpled a small steel building, and toppled trees.
Gackle (Logan County)	20	1315CST			0	0	0	0	Hail Walnut-sized hail. No damage reported.
Litchville 10W (Barnes County)	20	1318CST							Funnel
Bowman (Bowman County)	20	1510CST			0	0	0	0	Hail Quarter-sized hail. No damage reported.
Ellendale 10W (Dickey County)	20	1530CST			0	0	0	4	Hail Nickel-sized hail damaged crops.
McHenry 10N (Eddy County)	20	1600CST			0	0	0	0	Hail Hail 1 1/2 inches in diameter. No damage reported.
— NORTH DAKOTA									
Osnabrock (Cavalier County)	20	1655CST			0	0	0	0	Hail Golfball-sized hail. No damage reported.
Fordville (Walsh County)	20	1700CST							Funnel
Adams 6SE (Walsh County)	20	1700CST			0	0	5	5	Hail, Funnel (2) Hail up to 4 inches in diameter damaged 20,000 acres of crops, 25 farm homes, and 100 farm buildings.
Northwood (Grand Forks County)	20	1905CST			0	0	0	5	Hail Golfball-sized hail damaged crops.
Washburn (McLean County)	23	1800CST			0	0	4	4	Hail, Thunderstorm Winds Strong thunderstorm winds took the roof off a building while golfball-sized hail damaged crops, broke windows and damaged houses.
Oberon (Benson County)	23	1930CST			0	0	5	0	Hail Golfball-sized hail caused severe crop damage.
Devils Lake 10S (Benson County)	23	1945CST			0	0	0	0	Hail, Thunderstorm Winds Golfball-sized hail. No damage reported. Strong thunderstorm winds blew shingles off a roof.
33 OHIO									
Holmes and Tuscarawas Counties	07	1600-1730 EST	-	-	0	0	5	0	High Wind Heavy thunderstorms moved through these counties and caused considerable damage in extreme south-east Holmes County and in the Dover and New Philadelphia areas in Tuscarawas County. Buildings were damaged and several trees and lines were downed.
Ashland and Holmes Counties	17	1530 EST	-	-	0	0	5	0	High Wind A thunderstorm with strong winds did considerable damage in the Loudenville area and in northwest Holmes County. Damage was especially heavy in Mohican State Park where several cabins and vehicles were damaged.
Wayne County	17	1630 EST	-	-	0	0	4	0	High Winds A thunderstorm moved northeast across the county with high winds downing trees and lines and damaging buildings in the Wooster and Smithville areas.
Clinton County	18	1500 EST	-	-	0	0	4	0	High Wind A thunderstorm with strong winds caused damage to several buildings in the south part of the county. Several trees and lines were also downed.
Madison County	18	1620 EST	-	-	0	0	4	0	High Winds Thunderstorm winds damaged buildings in the London area and downed trees and lines in the east part of the county.
Knox County	18	1745 EST	-	-	0	0	5	0	High Winds Thunderstorm winds damaged several buildings in the northern part of the county near Knox Lake. Trees and utility lines were also downed.
34 OKLAHOMA									
Hennessey, Kingfisher County	06	1800CST			0	0	?	?	Funnel Cloud Also reported were 3 to 4 inches of rain, some street flooding, and marble size hail.
Oologah, Rogers County	06	2210CST			0	0	?	?	Lightning A fire started by lightning burned a crude oil storage tank.
Tahlequah, Cherokee County	07	0045CST			0	0	?	?	Lightning Fire started by lightning completely destroyed a house in the community of Keys near Tahlequah.
Duncan, Stephen County	07	0400CST			0	0	?	?	Flooding Early morning rains of up to 4 1/2 inches flooded Cow, Claridy, and eastern Willow Creeks. Twenty families had to be evacuated from their homes. They were allowed to return around 0830CST.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM		
					KILLED	INJURED	PROPERTY	CROPS			
— OKLAHOMA											
Carney, Lincoln County	07	2230CST			0	0	?	?	Lightning		
Fire started by lightning completely destroyed a house.											
Fairview, Major County	08	2130CST			0	0	0	0	Funnel Cloud		
Aline, Alfalfa County	08	2145CST			0	0	?	?	Hail		
Baseball size hail.											
Ringwood, Major County	08	2150CST			0	0	?	?	Hail		
Golfball size hail.											
Hennessey, Kingfisher County	08	2200CST			0	0	0	0	Funnel Cloud		
Alfalfa County	08	2300CST			0	0	?	?	Flooding		
Heavy rains in Alfalfa County and across the state line in Kansas caused the Salt Fork River and the Medicine River to flood. Ten to twelve inches of rain was received near Aline, with 3 to 5 inches common across the county. Also, 6 to 7 inches was received across the line, near Kiowa and Hazelton. Several roads were closed, including Hwy. 11 near Byron.											
Kenton, Cimarron County	09	1345CST			0	0	5	?	Tornado (F0)		
A small rope shaped tornado followed a violent and hail hailstorm. One man reported a chunk of clear ice about five inches across coming through his windshield and landing in the front seat beside him. Damages to his car were near \$3,000. A funeral was in progress when the storm hit, the hearse and 20 to 25 other cars at the site were badly damaged. There was damage to houses, other cars in town, trees, and crops. One large hailstone was reported to be 8 inches across and 3 inches thick.											
Boise City, Cimarron County	09	1400CST			0	0	?	?	Hail		
Golfball size hail fell over most of the county.											
Shattuck, Ellis County	09	2250CST			0	0	?	?	Wind		
Wind estimated at 60 to 70 MPH.											
Watonga, Blaine County	10	0130CST			0	0	?	?	Lightning		
Lightning set off a small dust explosion at a grain elevator. The storage bins were damaged.											
Jay, Delaware County	27	Afternoon			0	0	?	?	Flooding		
Heavy rains caused flooding in Jay. Several downtown businesses had water in them and a couple of church basements were flooded.											
Blackwell, Kay County	27	Afternoon			0	0	?	?	Wind		
Wind was estimated at 60MPH.											
Westville, Adair County	28	0800CST			0	0	?	?	Lightning		
Fire caused by lightning destroyed a house.											
Kingfisher County	28	Night			0	0	5	?	Flooding		
Flooding occurred over parts of Kingfisher County. The worst was near Lacey in the northwest corner where about 8 1/2 inches of rain fell. Damage to roads and bridges was estimated near \$150,000. The Cimarron River rose to near flood stage.											
35 OREGON											
Nyssa-Vale-Ontario	2	PM	UNK	UNK	0	0	UNK	UNK	Thunderstorms, heavy rain, winds estimated at 55 mph.		
Mt. Vernon-John Day areas of Grant County	13	1600PST	UNK	UNK	0	0	3	2	Thunderstorm, wind, hail		
Storm moved from west to east along Highway 26 from Mt. Vernon to John Day. Winds estimated at 100 mph, three-quarter inch hail reported. Storm lasted 15 minutes with 1 inch rain observed. Parked aircraft damaged, many trees uprooted and electric power lines downed. Mobile home overturned and some minor crop damage reported.											
36 PENNSYLVANIA, Eastern											
Carlisle	08	1800 to 1900EST			0	0	3	0	Electrical		
Lightning strikes knocked out a transformer at the hospital causing them to use emergency power through the night. Lightning also caused a fire in the attic of a home.											
Schuylkill County	11	2100 to 12 0500EST			0	0	3	0	Heavy Rain Wind		
Heavy rain with almost 3-1/2 inches accumulation washed out brick sidewalks and portions of road paving in Mount Carbon near Pottsville. Wind gusts brought down a large tree which damaged two homes in Mariin, also near Pottsville.											
Montgomery, Bucks, Philadelphia Counties	28	0200 to 0600EST 1300 to 1600EST			0	0	6	0	Heavy Rain Electrical		
Two groups of heavy thunderstorms moved across the area. The heaviest rainfall was in the northeast part of Philadelphia, lower Bucks County and all but the northern portion of Montgomery County. Rainfall of over 4 inches fell in a few hours on some areas with total precipitation over 5 inches in spots. Northeast Philadelphia Airport recorded over 5 inches of rain. The airport ramps were flooded with water up to the propellers on the parked aircraft. Many roads were flooded with quite a few locations impassable. Stalled vehicles sat in the water in many locations with water up to the windows on some of them. Roads were washed out in spots and mud slides were on roadways in a number of locations. The drainage flooding was as much as 4 feet deep on some roads. Apartment complexes along some small streams had to be evacuated with about 200 people evacuated in all. Water reached the ceiling in the first floor of some buildings and a few people had to be rescued by boats. Apartment parking lots and others were flooded along with vehicles parked there. Flooding caused the collapse of building walls in a shopping center. The weight of water on flat roofs caused the roofs to collapse and some of the walls to crumble on three large buildings in an industrial park. Although gusty winds downed a few trees, wind damage was minor. At least two houses were struck by lightning and received some fire damage. Downed power lines in a large puddle electrocuted a boy who fell from his bicycle and a utility company employee attempting to rescue him.											
36 PENNSYLVANIA, Western											
Allegheny County	17	night			0	0	0	2	0	0	Lightning
Two teenage boys were struck by lightning during a thunderstorm. One suffered only first degree burns, the other was in critical condition.											
37 RHODE ISLAND											
RHODE ISLAND	8	1500EST			0	0	3	0	Lightning		
Lightning caused extensive electrical and structural house damage.											
Bellingham Providence West Warwick	19	1800EST			0	1	4	0	Lightning		
A woman was knocked down and slightly injured as lightning struck ground near her as she watched a burning barn that was ignited by other lightning. Several other barns and houses were hit and sustained some damage. In Providence a dog was electrocuted by lightning as it struck a fence the dog was chained to. The house attic was also ignited as were several other houses in West Warwick.											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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

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

38 SOUTH CAROLINA

Pine Ridge, Darlington County	4	2028EST	-	-	0	0	4	0	0	Wind
Strong wind during thunderstorms blew steeple off church and damaged several homes.										
Seven miles south of Greer Airport, Greenville County, near SC #146	9	1745EST	-	-	1	0	0	0	0	Lightning
Lady on riding lawn mower struck by lightning.										
Nine mi. SW of Orangeburg, Orangeburg Cty.	13	1400EST	-	-	0	0	2	0	0	Tornado (F1)
Small tornado over a brief path 200 ft. long and 60 ft. wide twisted and felled trees.										
Rowesville, eight mi. south of Orangeburg, Orangeburg County	13	1430EST	-	-	0	0	3	0	0	Wind
Strong winds during thunderstorms destroyed metal shed, blew down several trees and caused minor damage.										
Anderson, Iva, Carsew Section of Anderson County	14	1725EST	-	-	0	0	4	2	0	Lightning damaged home, downed several trees.
Lightning burned unoccupied home, caused many power failures, wind felled trees and destroyed large farm building 4 miles south of Anderson.										
Kalmia Hills area of Aiken, Aiken County	14	1910EST	-	-	0	0	4	0	0	Rain
Heavy thunderstorm rain stranded cars, flooded streets and several homes. Lightning disrupted power to 30 to 40 homes.										
Zion Church Community near Bennettsville, S. C. Marlboro County	20	1700EST	-	-	0	1	0	0	0	Lightning
Lightning struck girl getting clothes off clothes-line.										
Belton, Anderson Cty.	23	1800EST	-	-	0	1	0	0	0	Lightning
Man started to roll up glasses in parked car, when lightning struck him.										
NE Greenville, Greenville County	29	1730EST	-	-	1	0	4	0	0	Rain, lightning
Heavy rain flooded streets, man stranded in flash flood stepped into storm drain and was sucked in to culvert. Heaviest flooding in Plano Scarlet St. areas. Several homes along Hopkins Creek flooded. Considerable number of power outages.										

39 SOUTH DAKOTA

Pennington County	01	1700MST	-	-	0	0	0	?	?	Heavy Rain Lowland Flooding
Four and one-half inches of rain fell eight miles west of Scenic and also 18 miles east of Hermosa. Small hail fell intermittently with the rain. Lowland flooding occurred from the Badlands Park area downstream to its confluence with the Belle Fourche River.										
Faulk County	02	1758CST	-	-	0	0	0	0	0	Hail
Hail, one inch in diameter, fell five miles SSE of Faulkton.										
Sanborn County	02	2006CST	-	-	0	0	0	0	0	Hail
Hail, three-quarters inch in diameter, fell just west of Woonsocket.										
Davison County	02	2035CST	-	-	0	0	0	0	0	High Winds
Winds, 70 MPH, were reported in Mitchell.										
Bon Homme, Yankton Counties	02	2130-2330CST	-	-	0	0	3	4	0	Hail
Hail, up to golfball size, fell between Scotland and Tyndall. Also, golfball size hail fell three miles south of Lesterville. Severe damage was sustained to the oats and corn crops. Windows were broken and minor structural damage to houses occurred.										
Union County	05	Late Evening	-	-	0	0	2	0	0	High Wind Lightning
Lightning and strong thunderstorm winds downed trees in Elk Point. One tree fell on a house.										

— SOUTH DAKOTA

Minnehaha County	05	1730-2200 CST	-	-	0	0	0	0	0	Funnel Clouds Heavy Rain High Winds
Heavy thunderstorms downed tree limbs in Valley Springs and produced wind gusts to 52 MPH in southeast Sioux Falls. Funnel clouds were sighted east of Humboldt and at Lyons. Two to four inches of rainfall were common and caused minor urban flooding in Sioux Falls. Numerous small rivers and streams in the Canton area also flooded.										
Pennington County	05	1820MST	short narrow	0	0	0	0	0	0	Hail, High Winds Tornado (FO)
Tornado reported one mile east of Ellsworth Air Force Base. Winds to 78 MPH and three-quarters inch hail were reported at the Air Base.										
Pennington County	05	1820MST	-	-	0	0	4	0	0	High Winds
Strong thunderstorm winds tore the roof off a mobile home and overturned a camper in Rapid Valley. A fence was also blown down and a garage roof caved in. A roof was torn off a furniture revival store in the Robbinsdale area of Rapid City. A Drive-In theatre screen was blown down and power knocked out in parts of Rapid City. Small fires were caused by downed power lines. Shingles were blown off roofs. Windows and skylights were blown out.										
Hutchinson County	05	Evening	-	-	0	0	?	0	0	Lightning
Lightning knocked out power in Menno for three and one-half hours.										
Aurora and Davison Counties	06	0850CST	-	-	0	0	4	?	?	High Winds, Hail
Strong thunderstorm winds and hail of unknown size damaged crops in a swath from Mitchell to Stickney. The winds destroyed a Drive-In in Mitchell and broke tree limbs and damaged windows and doors at Stickney.										
Kingsbury County	06	0930-1000CST	-	-	0	0	0	?	?	Wind, Hail Heavy Rain
Strong thunderstorm winds along with marble or larger sized hail and brief torrential rains heavily damaged 20 percent of the county's oat and barley crops. 500 acres of corn and sunflower crops were also damaged north and east of Arlington. Cropland was damaged by hail in a swath from Oldham to Arlington. Grain crops were flattened in a path several miles wide, seven miles south of Lake Preston. Tree limbs were downed in Arlington.										
Minnehaha County	06	1200-1400CST	-	-	0	10	6	7	0	High Wind, Hail Funnel Cloud Downburst
A severe thunderstorm with high winds estimated to 125MPH swept across the city of Sioux Falls causing damage in an area ten blocks wide and three miles long. Damage, which was heaviest in the south-central and northeast sections of the city, included thousands of trees uprooted or otherwise damaged. Falling trees damaged roofs, garages, porches and vehicles. Several semi-trailer trucks were blown over, critically injuring one man and slightly injuring two others. Several other minor injuries occurred mainly from flying glass. Five cars were rolled over by the high winds and several others damaged by flying debris. Windows were blown out in some buildings. A peak wind gust of 82MPH was reported at the National Weather Service Office at the Sioux Falls airport. Damage at the airport included a portion of a hangar roof blown off and three light aircraft flipped. Power poles were snapped and billboards blown down. Power was knocked out in 2,000 homes. Two barns were damaged at the stockyards and half of a lumberyard warehouse was demolished. A gravel truck was blown 35 feet and a mobile home heavily damaged.										
The severe thunderstorms that hit Sioux Falls also caused damage in several parts of the county. Several outbuildings were heavily damaged or destroyed and trees were downed near Corson and Garretson. Over 128,000 acres of crops were heavily damaged by the hail. Heaviest damage was in the Corson area extending to around Garretson and Sherman.										
Roberts County	06	Early Afternoon	-	-	0	0	0	0	0	Funnel Cloud
Funnel cloud reported four miles south of Peever.										
Moody County	06	1430CST	-	-	0	0	?	?	?	High Winds, Hail Heavy Rain
High winds, hail and brief torrential rains caused an unestimated amount of crop damage and power outages in several parts of the county. Hail damage was heaviest in a strip from Interstate 29 east to Egan. Numerous trees and outbuildings were damaged. Two trailer houses were blown over. Heavy damage also occurred from soil erosion. Winds to 60MPH damaged power lines at Flandreau.										
Ziebach County	08	1650MST	short narrow	0	0	0	0	0	0	Hail, Tornado (FO)
A tornado touched down 20 miles SSE of Faith in open country. Hail, three-quarters to one inch in diameter, also fell in this area.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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					KILLED	INJURED	PROPERTY	CROPS	
— SOUTH DAKOTA									
Perkins County	08	1730-1800MST	-	-	0	0	2	0	High Winds
									High thunderstorm winds of undetermined speed hit just north of Lemmon, tearing a 40 x 20 foot roof off a barn.
Brule County	08	2050CST	-	-	0	0	?	?	High Winds
									74MPH winds reported at Chamberlain during a thunderstorm.
Brule County	08	2115CST	short narrow	0	0	0	0	0	Tornado (FO)
									Tornado reported 15 miles ESE of Chamberlain.
Charles Mix County	08	2200CST	-	-	0	0	0	0	Funnel Cloud
									A funnel cloud was sighted just east of Platte.
Douglas County	08	2230CST	-	-	0	0	0	0	Funnel Cloud
									A funnel cloud was spotted north of Harrison and one just south of New Holland.
Hamlin County	11	1845CST	10	1/2*	0	0	3	4	Hail
									Marble size and larger hail cut a path one and one-half miles wide and ten miles long in a southeast direction, originating three and one-half miles south of Castlewood. Hail left deep holes in the ground, three-quarters inch in diameter. Over an inch of rain was also reported. The corn, oats and soybean crops were severely damaged by hail. Paint and shingles were stripped off numerous buildings.
Custer County	14	1615MST	-	-	0	0	0	0	Hail
									Hail, one and one-half inches in diameter, fell five miles NE of Custer.
Jackson and Mellette Counties	14	1700MST	-	-	0	0	?	?	Hail, High Winds
									Strong thunderstorm winds and hail of unknown size, were reported at Long Valley. Power poles and lines were downed. Crops and buildings were damaged. Granaries were damaged. Trees, up to eight inches in diameter were brokeoff along with numerous branches at Norris. Outbuildings were damaged.
Clark County	14	1815CST	-	-	0	0	0	0	Hail
									Golfball size hail fell just north of Clark. Hail, three-quarters inch in diameter, fell at Willow Lake.
Kingsbury County	14	1830CST	-	-	0	0	0	0	Hail, High Winds
									Thunderstorm winds to 50MPH and hail of unknown size was reported at Iroquois. Jagged hail, up to three and one-half inches in diameter fell at Spirit Lake, north of DeSmet. Fields of oats were flattened by high winds in the area. Trees and a few power lines were blown down in DeSmet.
Hamlin County	14	2030CST	-	-	0	0	0	0	Hail
									Hail, one inch in diameter, fell at Hazel.
Sanborn County	14	Evening	-	-	0	0	?	?	Hail, High Winds Heavy Rains
									High winds, accompanied by five inches of rain and hail, severely damaged or totally destroyed crops north of Artesian. Crop damage was also reported near Letcher.
Beadle County	14	Evening	-	-	0	0	3	0	Lightning
									A lightning bolt knocked a large hole in the roof of a two-story house in Huron. Insulation and plaster were knocked off the upstairs walls. Boards cracked in the attic. Shingles were damaged on the roof. A brief flash of fire knocked out one of the electric circuits, filling the attic with smoke.
Perkins County	15	2215CST	-	-	0	0	0	0	High Winds
									51MPH winds reported by cooperative observer at Lemmon.
Hoody County	15	Night	-	-	0	0	3	4	Heavy Rain, Flooding
									Heavy rain of two and one-half to five inches, fell north of Flaudreau, pushing Spring Creek and the Big Sioux River out of its banks causing extensive flooding. Severe damage was done to small grain crops.
Stanley County	16	1905CST	-	-	0	0	0	0	High Winds
									60MPH winds reported at Hayes during a thunderstorm.
Sully County	16	2000CST	short narrow	0	0	4	0	0	Tornado(F1)
									A tornado near Onida damaged a barn and lifted a partly completed steel grain bin into the air and crumpled it dropping it next to the East River Cooperative Substation.
— SOUTH DAKOTA									
Edmunds County	16	2000-2100CST	-	-	0	0	4	0	High Winds
									60MPH winds caused by thunderstorms were reported throughout the county. Many reports of snapped tree limbs and uprooted trees. Ten utility poles were blown over at Bowdle. A mobile home was overturned at Mina.
Walworth County	16	2002CST	-	-	0	0	0	0	Funnel
									A funnel cloud was sighted five miles south of Selby.
Hughes County	16	2003CST	-	-	0	0	0	0	Funnel, High Winds
									Funnel cloud reported by Civil Defense twelve miles north of Pierre. A large barn was destroyed by high winds at Blunt.
Potter County	16	2020-2030CST	-	-	0	0	4	4	Funnel, High Winds
									Funnel cloud sighted 45 miles southeast of Gettysburg. Funnel cloud sighted eight miles northwest of Gettysburg by Civil Defense. High winds of 60MPH tipped over a large granary. Slight damage was reported to shingled roofs. Brief power outages occurred. Small grain was extensively damaged.
Brown County	16	2203CST	-	-	0	0	0	0	Funnel
									A funnel cloud was reported by the Sheriff in Aberdeen.
Marshall County	16	2230CST	-	-	0	0	5	0	High Winds
									High winds caused by thunderstorms created widespread damage over a large area of Marshall County. Four farm buildings were lifted and smashed about 30 feet north of their foundations. A small trailer home was moved six feet but did not tip over. Many branches were torn off trees in Britton smashing windshields. Power outages were numerous. Roofs were blown off cabins at Clear Lake and Roy Lake. Many docks and boats were thrown onto shore.
Clark County	16	2245CST	-	-	0	0	?	?	High Winds
									60MPH winds were reported at Clark during a thunderstorm.
Brown County	16	2250CST	-	-	0	0	4	?	Funnel High Winds
									A funnel cloud was sighted on the southeast edge of Aberdeen. A funnel cloud was also sighted near Bath. 50-60MPH winds and marble size hail reported in Aberdeen. Railroad cars were blown off the tracks. Power lines were down. Trees, six to eight inches in diameter, were blown down.
Deuel County	16	2300CST	-	-	0	0	0	0	Funnel
									A funnel cloud was sighted on the north edge of Clear Lake.
Western Day County	16	Night	-	-	0	0	0	3	Heavy Rain
									Two and one-half inches of rain which fell in a brief time, accompanied by small hail, damaged the corn crop.
Spink County	16	Night	-	-	0	0	0	?	Hail
									Hail, one and one-half inches in diameter, fell at Doland, accompanied by one and three-quarters inches of rain.
Walworth County	16	Night	-	-	0	0	3	0	High Winds
									60MPH winds reported at Hoven. Eighteen utility poles snapped causing power outages.
Jackson County	16	Night	-	-	0	0	3	4	High Winds
									High winds, rain and hail flattened the wheat and hay crop. Damage was reported to buildings and steel grain bins.
Deuel County	16	Night	-	-	0	0	3	0	Hail, High Winds
									50MPH winds and marble size hail were reported in the town of Goodwin and Toronto.
Day County	16	Night	-	-	0	0	3	0	High Winds
									High winds occurred in Waubay. One farmer lost his barn and two head of cattle. Damage was sustained to a steel grain bin. Branches were broken off trees. Shingles were loosened and windows were broken.
Jones County	18	2022MST	Short Narrow	0	0	0	0	0	Tornado (FO)
									Tornado reported five miles northeast of Draper.
Jones County	18	2102MST	Short Narrow	0	0	0	0	0	Tornado (FO)
									Tornado reported near Wagner.
Lyman County	18	2205MST	-	-	0	0	0	0	Funnel
									Funnel Cloud reported 25 miles north of Presho.

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— SOUTH DAKOTA

Charles Mix County	18	2300CST	-	-	0	0	?	?	Hail, High Winds
Heavy hail damage was reported west and south of Platte. Trees were damaged and power was knocked out in Platte. High winds also downed power lines between Geddes and Lake Andes.									
Charles Mix County	18	2358CST	Short Narrow	0	0	0	0	0	Tornado (FO)
Tornado reported at Lake Andes. Numerous tree limbs downed. Small hail and very heavy rain also reported.									
Meade County	18	Afternoon	-	-	0	0	0	5	Hail, High Winds
Severe thunderstorms packing winds estimated to 80MPH and golfball size hail destroyed over 1,900 acres of oats near Faith. Several cottonwood trees were snapped. Power was knocked out for eight hours.									
Stanley County	20	1600MST	short narrow	0	0	0	0	0	Tornado (FO)
Tornado reported five miles west of Ft. Pierre.									
Clark County	20	1620CST	short narrow	0	2	4	3	0	Tornado (F1) Hail
A tornado destroyed an unfinished potato warehouse at Graceland Gardens, industrial complex, six miles east of Clark. The tornado ripped the walls out and sent pieces of the structure as far as 800 feet from the building site. Two construction workers were injured as they were badly pelleted with hail while trying to seek safety. Heavy rain, up to five inches, floated fallen boards out of the building. Oat and wheat crops were flattened. Cornstalks were sheared into stumps. Many trees were downed.									
Meade County	20	1715MST	-	-	0	0	?	?	High Winds
60MPH winds were reported twelve miles northwest of Union Center. The winds were accompanied by marble size hail.									
Hughes County	20	1805CST	-	-	0	0	?	?	Hail
Hail, two and one-half inches in diameter fell at Pierre.									
Day County	20	1856CST	-	-	0	0	0	0	Funnel Clouds
Three funnel clouds were sighted west of Webster.									
Hand County	20	1945CST	-	-	0	0	0	0	Funnel Cloud
A funnel cloud was sighted near Miller.									
Lyman County	20	1950CST	short narrow	0	0	0	0	0	Tornado (FO)
			short narrow	0	0	0	0	0	Tornado (FO)
			short narrow	0	0	0	0	0	Tornado (FO)
			short narrow	0	0	0	0	0	Tornado (FO)
Four tornadoes reported by a spotter four and one-half miles west of Presho. Tornadoes touched down only briefly.									
Davison County	20	2145CST	-	-	0	0	0	0	High Winds
Thunderstorm wind gusts to 70MPH reported at Mitchell.									
Douglas County	20	2205CST	-	-	0	0	?	?	High Winds
70MPH winds reported at Armour during a thunderstorm.									
Minnehaha County	20	2230CST	-	-	0	0	1	2	High Winds
Wind gusts to 80MPH reported at Wall Lake, 15 miles west of Sioux Falls; 62MPH winds at Sioux Falls Airport. Some power outages occurred. Numerous tree limbs were down in Sioux Falls. Some ripe grain and corn crops were flattened.									
Lake County	20	Night	-	-	0	0	3	2	High Winds
Strong thunderstorm winds caused scattered crop damage at Chester. High winds overturned docked boats on the south side of Lake Brandt.									
Brule County	20	Night	short narrow	0	0	0	0	0	Tornado (FO)
Tornado reported five miles south of Kimball.									
Brule County	20	Night	-	-	0	0	4	0	High Winds
A pontoon boat was overturned and the cabin destroyed in a windstorm at Chamberlain. Some other boats were also damaged. Tree limbs were broken in Chamberlain.									
Lincoln County	20	2318CST	-	-	0	0	0	0	High Winds
50MPH winds at Beresford.									
Hamlin & Clark Counties	20	Night	-	-	0	0	3	4	Hail, Lightning
Large hail struck an area from Carpenter to Lake Poinsett. The immediate vicinity of Bryant and Cherry Lake appeared to be hit the hardest. Two cattle were killed by lightning on a farm near Bryant.									

— SOUTH DAKOTA

Hand County	20	Night	-	-	0	0	0	4	Hail, High Winds
40-100 percent of all wheat and corn crops were damaged by hail of undetermined size and high winds. Lightning ignited haystacks on a Ree Heights farm.									
Stanley County	21	1555CST	short narrow	0	0	0	0	0	Tornado (FO)
A tornado was sighted five miles west of Ft. Pierre.									
Stanley and Hughes Counties	21	1625-1802CST	-	-	0	0	?	?	Funnel Clouds, Hail Lightning
Several funnel clouds were reported 10-15 miles northwest of Pierre. Hail, one and three-quarters to three inches in diameter fell. Some hailstones were buried as deep as two inches in lawns. One house fire with minor damage was attributed to lightning in Pierre. Rainfall in the area was two and one-half inches.									
Stanley County	21	1626CST	short narrow	0	0	0	0	0	Tornado (FO)
Tornado sighted four miles northwest of Pierre.									
Brown County	21	1720-1758CST	-	-	0	0	0	0	Funnel Cloud Hail
A funnel cloud was sighted ten miles east of Aberdeen near the James River. Very strong winds and considerable marble size hail were reported 20 miles north of Aberdeen.									
Day County	21	1900CST	-	-	0	0	0	0	Funnel Clouds
Several funnel clouds were sighted near Webster.									
Lyman County	21	1950CST	-	-	0	0	0	0	Funnel Clouds
Four funnel clouds were sighted near Presho.									
Davison County	21	2130CST	-	-	0	0	0	0	High Winds
Winds gusting to 70MPH were reported at Mitchell during a thunderstorm.									
Charles Mix County	21	2215CST	-	-	0	0	0	0	High Winds
50MPH winds were reported at Pickstown during a thunderstorm.									
Brookings County	21	Late Evening	-	-	0	0	2	1	High Winds
Thunderstorm winds to 60MPH reported at Brookings. One car was heavily damaged when a tree fell on it. Power lines and billboards were blown down.									
Kingsbury County	21	Late Evening	-	-	0	0	2	0	Lightning
Lightning struck a home at Lake Preston. The bolt struck a cable by the garage, traveled through to the house and knocked out electrical appliances and a TV set.									
Yankton County	22	0000CST	-	-	0	0	2	0	High Winds
66MPH winds at Gavin's Point Dam caused some tree damage and downed power lines.									
Pennington County	22	1536MST	-	-	0	0	?	?	Hail, High Winds
One-half to three-quarters inch diameter hail covered the ground at Thunderhead Falls, fifteen miles west of Rapid City. Trees and gardens were stripped. The ground remained white with hail for three hours. Hail, three-quarters inch in diameter also fell two and one-half miles northwest of Rapid City Regional Airport. 2.76 inches of rain was also reported.									
Jackson County	22	Evening	-	-	0	0	4	2	High Winds
High winds uprooted trees, broke off huge tree branches and blew over many television towers and antennas. The winds also upended a semi-truck trailer, tore off storm doors, knocked out car windows and tore off roof shingles. Many windrows of hay were blown away.									
Fall River County	23	1530MST	-	-	0	0	0	0	High Winds
60MPH winds were reported at Edgemont accompanied with pea size hail and .62 inch precipitation in 25 minutes.									
Meade County	23	1615MST	-	-	0	0	0	0	Flooding
Marble size hail, strong gusty winds and minor street flooding were reported at Black Hawk.									
Pennington County	23	1617-1638MST	-	-	0	0	?	?	Hail, High Winds
Ellsworth Air Force Base reported three-quarters to one and one-fourth inch diameter hail along with 67MPH winds. 60MPH winds also reported at Rapid City Regional Airport.									

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— SOUTH DAKOTA									
Haakon County	23	1750MST	-	-	0	0	0	0	High Winds
									50MPH winds were reported at Philip.
Walworth County	23	1930-2000MST	-	-	0	0	0	3	High Winds
									Lowry reported high winds, accompanied by hail of undetermined size. Damage was done to crops and gardens.
Harding County	23	2345MST	-	-	0	0	0	0	High Winds
									Thunderstorm winds gusted to 67MPH at Redig.
Beadle County	25	Night	-	-	0	0	4	0	Lightning
									A fire, started by lightning, destroyed a building on a farm at Messington.
Pennington County	24-25	2325-0040MST	-	-	0	0	?	?	Hail, Heavy Rain Lowland Flooding
									Heavy rain of 2-3 inches created lowland flooding in the Rapid City area. The Reptile Gardens, a tourist attraction, was flooded. Three-quarters inch hail reported at Ellsworth Airforce Base.
Haakon, Jackson, Bennett & SE Shannon Counties	26	0100MST	-	-	0	0	?	?	Heavy Rain Lowland Flooding
									Heavy rain around the Black Hills caused creeks and streams to overflow their banks. Roads and bridges in low lying areas were underwater.
40 TENNESSEE									
Springfield, Robertson County	3	1045CST					4	?	High wind
									High winds with two thunderstorms caused roof damage in downtown Springfield and at a discount store. Debris from the roof of a hardware store caused additional damage to the buildings around it.
Knoxville, Knox County	3	1330CST			0	4	5	0	High winds, funnel clouds
									A thunderstorm swept through Knoxville with high winds which caused scattered damage and a large number of power outages. The winds were estimated at 50 miles an hour, but winds at the Knoxville airport were recorded to only 36 miles an hour. Hardest hit was the University of Tennessee Stokesley Athletics Center where a large portion of the roof was destroyed. Four people at the World's Fair were injured from flying debris, and damage occurred to flag poles, outside umbrella tables, and other light objects easily blown around by the wind. A fireworks display being readied for the Fourth of July at Neyland Stadium was significantly damaged. Two persons reported seeing funnel clouds with the thunderstorm.
Millington, Shelby County	3	2356CST					?		Hail
									Three-quarter-inch hail fell with a thunderstorm which produced wind gusts to 37 miles an hour. The hail lasted for 6 minutes with .72 inch of rain recorded at the Naval Air Station.
West of Dyersburg, Dyer County	4	1650CST					?	?	Hail
									Golf-ball-size hail was reported just west of Dyersburg, and ice cube hail was reported southwest of Dyersburg.
Near Milan, Gibson County	4	1650CST					?	?	Hail
									Golf-ball-size hail was reported near Milan.
Jackson, Madison County	4	1830CST					3	?	Hail, high wind
									Half-inch hail was reported in Jackson. Numerous reports of pea-size hail came with the larger hail. Wind gusts to 59 miles an hour at McKellar Field. Some wind damage was reported in northern Madison County, but the extent of damage was unknown.
Dresden, Weakley County	4	2025CST					?	?	Hail, wind
									The Weakley County Sheriff's Office reported high winds and hail with a thunderstorm. Hail was described as hen-egg size.
Jackson, Madison County	4	2150CST					3	?	High wind, hail
									The wind gusted to 61 miles an hour with a thunderstorm at McKellar Field. The thunderstorm produced one-quarter to one-half inch hail and the Flight Service Station reported 3.18 inches of rain between 1800 and 2400 CST.
Smyrna, Rutherford County	6	Unknown					1		Lightning
									A construction worker at the Nissem truck plant was killed when he was struck by lightning as he stood on a steel beam. He fell about 75 feet after being struck.
Near Etowah, McMinn County	19	1300CST					3		Lightning
									Lightning from a mid-summer thundershower struck a large oak tree killing three cows and a steer standing under the tree.
— TENNESSEE									
Near Pulaski, Giles County	21	2000CST					4		Lightning
									Lightning struck a home on Pamcheon Road, and the building was totally destroyed by fire.
Murfreesboro, Rutherford County	22	0930CST					4		Wind, Lightning
									Dusty winds with a thunderstorm downed power lines and topped at least two billboards at the Acme Boot Outlet. A meat plant lost most of its roof. In addition, lightning was responsible for small fires at two houses.
Memphis, Shelby County	22	1310CST					4		Wind
									Winds gusted to 53 miles an hour at the Memphis International Airport as a thunderstorm moved southeast across the central and southern portions of the city. The wind created serious problems for motorists on the Hernando DeSoto Bridge. Two mobile homes being transported across the bridge were literally picked up and hurled across the highway. Other motorists and a state highway crew working on the bridge took whatever cover they could find as debris flew about the bridge. About 12,000 electric customers were without service due to power line outages and lightning strikes.
Near Pulaski, Giles County	24	1500CST					4		Lightning
									Lightning struck a barn on the Curry farm on Cedar Grove Road causing a fire which destroyed the barn and its contents. The lightning was followed by a heavy rain lasting about one hour.
Jackson, Madison County	24	1750CST					?		Lightning, rain
									Lightning struck a home in Jackson causing a fire and slight damage. Electrical customers were without power as several transformers were struck by lightning. Heavy rains caused flooding in several locations. A half mile stretch of Pleasant Plains Road was covered by water for a time.
Cookeville, Putnam County	28	1833CST					2		Lightning
									Lightning struck a house and started a fire in a bed. The lightning apparently came in on electrical lines.
West Carter, South Washington and North Unicoi Counties	31	A.M.					5	5	Flash flooding
									Two days of rain were followed by heavier rains Saturday morning, forcing already swollen creeks out of their banks. In particular, Buffalo Creek which runs through Carter and Unicoi Counties flooded causing road closures and crop damage. Roadway damage was heavy along Alf Road. A trailer park in Milligan was flooded along with several buildings including the District Attorney General's Office. Several bridges and/or their approaches were damaged.
									In Washington County, the towns of Limestone and Telford reported the worst flooding. Highways 67 and 81 were closed. Several residents on Sinking Creek Road were evacuated but were able to return late in the day.
									The National Weather Service Office at the Tri-Cities Airport recorded 2.58 inches of rain during the day Saturday.
Northern Sevier, Hamblen, and Cocke Counties	31	0500 - 1000CST					5	6	Flash flooding
									Heavy rains caused flash flooding in Sevier County in the Seymour area, in Kodak, and on Cist Creek. Damage was primarily to crops, road, and bridges.
									In Hamblen County, Bent Creek caused road damage. Other creeks caused flooded basements and closed streets. The basement walls to two homes collapsed with the water pressure. Morristown had 3.5 inches of rain.
									Cocke County was hit hardest though rainfall measured at Newport was only 2.88 inches. People in Bybee and Basinger Hollow called it the worst flooding in their lifetime. Slate Creek exploded from its bank damaging the New Bethel Church. Flood damage was visible along Highway 160. Fifteen to 20 bridges on secondary roads were washed out. The communities of Salem, Luther Memorial, and Harned's Chapel were also affected by the flooding.
Knoxville, Knox County	31	0900 - 1800CST					1	6	Flash flooding
									Rainfall estimated at over 6 inches fell on Knoxville causing serious flash flooding. Dozens of roads were flooded leaving hundreds of cars and trucks stalled. Power was knocked out in many sections. The heaviest rain fell between 10 a.m. and 1230 p.m. CST. No section of Knoxville was spared from flood problems. The World's Fair was one of the hardest hit areas. Second Creek which runs through the 72-acre downtown Fair site flooded. At one point water was waste deep at the Fair's north gate. Several exhibits were closed due to water problems. Damage was put at \$50,000. Other serious problems occurred on First Creek. Many businesses along Broadway near I-640 were damaged. People in the Open Kitchen Restaurant had to be rescued by boat when water up to 3 feet deep stranded them. Other areas with flooding included Holsten Hills, North Broadway, Harrall Hills, Fountain City, West Hills, and Northwest Knoxville. In the county, roads were closed due to flooding. Flooding was especially bad along Emory Road which crosses Beaver Creek, Flatt Creek, and Little Flatt Creek. Knox County estimated road damage at \$75,000.
									Total flood damage was put at between \$2.5 and \$3.0 million. Fifty-nine businesses and 60 to 90 homes were damaged.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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

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

TENNESSEE

The only injury occurred when a 13-year-old boy fell from his bicycle into a creek. He was trapped in a drain for a short time before he was rescued by friends and passerby.

Knoxville, Knox County 31 Unknown 1 ? Lightning
A man was seriously injured by lightning as he talked on the telephone at his home.

41 TEXAS, Northern

Southwestern Parker County 12 1630CST 0 0 5 0 Windstorm
Thunderstorm winds of 60 to 80 mph caused scattered damage from the Parker and Rio Vista areas northward to the Bono area. The most extensive damage was along Farm Road 2331 north of Bono, where 2 barns were destroyed and a home was unroofed. Trees were uprooted and power lines downed in the same area, with total damage in and around Bono estimated to be in excess of \$100,000.

Mineral Wells area, Palo Pinto County 12 1650CST 0 0 4 ? Wind, hail and flash flooding
A severe thunderstorm moved northward through the Mineral Wells area. At 1650 CST, golfball size hail broke windows at several residences 2 miles south of Mineral Wells. High winds accompanied the storm. The hail ranged from 0.5 to 1.0 inch in diameter in Mineral Wells, but strong winds were responsible for most of the damage in town. Trees and power lines were felled by the winds with an uprooted tree crushing an automobile in town. At least 3 homes were flooded in northeastern Mineral Wells. Rainfall amounts varied from 1 to 3 inches within town with all of the rainfall coming inside of an hour.

Commerce, Hunt County 13 1445CST 0 0 ? ? Windstorm
Thunderstorm wind gusts damaged one hangar at the Commerce Airport.

Corsicana, Navarro 23 2000CST 0 0 4 0 Lightning and Urban Flooding
Lightning caused three major power line breaks in the Corsicana area as well as destroying a smoke stack at a Corsicana school. Over 3 inches of rain caused heavy road flooding which stranded at least 36 cars.

Greenville, Hunt 26 1625-1710CST 0 0 ? ? Wind and Hail Storm
At 1625 thunderstorm winds caused power outages in Greenville. Golfball size hail fell in southwest Greenville from 1655 until about 1710. The amount of damage was unknown.

Quinlan, Hunt County 26 1745CST 0 0 ? ? Windstorm
Sixty mph winds caused minor damage in Quinlan.

Allen, Collin County 27 1300CST 1 25 0 0 3 0 Tornado F0
A small tornado moved southwestward across Allen, Texas. One witness described a funnel not visibly connected to the ground with a small debris cloud below it. The tornado caused minor roof damage to some apartments and a nearby apartment unit under construction.

Garland, Dallas County 27 1320CST 0 0 0 0 Hailstorm
Amateur radio spotters reported 3/4 inch diameter hail.

Corsicana, Navarro County 28 2100CST 0 0 4 0 Windstorm
Several industrial warehouses received roof, window, and sliding door damage from a windstorm in Corsicana. A flatbed trailer was blown into a pickup, extensively damaging the pickup truck.

41 TEXAS, Southern

Uvalde County 4 2100CST 0 0 5 0 Tstm winds
A severe thunderstorm dumped six inches of rain and brought high winds to parts of Uvalde, damaging several local residences and one local business. Hardest hit was the Uvalde Corn Processors Plant northwest of Uvalde. The storm ripped apart several grain tanks causing \$250,000 to \$500,000 in damages. Elsewhere around the community, several local residences were damaged and trees knocked down by the high winds. A carport was blown completely off its foundation and a tree blown on top of a car at one location six miles west of town. Heavy rains caused some local flooding but roads were only closed for a short time.

Jefferson County 7 1410CST .2 25 0 0 0 0 Tornado (F0)
A tornado touched down briefly just north of the Jefferson County Airport, doing no damage.

Montgomery County 12 2230CST 0 0 2 0 Tstm winds
High winds associated with a heavy thunderstorm broke tree limbs and uprooted trees in the western part of the county along FM1097. Damage was reported in Bethel Cemetery and in the Fawn Forest Subdivision.

TEXAS, Southern

Chambers County 14 1220CST .1 25 0 0 3 0 Tornado (F1)
A tornado briefly touched down at the corner of Main and Hayes Streets in Stowell, destroying a barn. The storm lifted the wooden frame of the building and placed it between two homes that were not damaged.

Montgomery County 21 Afternoon 0 0 3 0 Tstm winds
A thunderstorm moved across Lake Conroe bringing high winds that damaged the sheet metal roof of the Fisherman's Reef Marina.

Jefferson County 22 1025CST 0 0 0 0 Funnel cloud
A funnel cloud was sighted near Highway 87 between Sabine Pass and intercoastal waterway in Port Arthur.

Harris County 22 1325CST 0 0 0 0 Funnel cloud
A police helicopter sighted a funnel cloud west of downtown Houston.

Jefferson County 26 1200CST 0 0 0 0 Funnel clouds
Numerous funnel clouds were sighted in the Beaumont-Port Arthur-Groves area.

Orange County 28 1930CST 0 1 2 0 Lightning
In Bridge City, a woman holding a curling iron was knocked to the ground by lightning striking nearby. Several appliances, including a TV, a stereo and microwave oven were burned out at another residence. Lightning also struck a backyard shed and the ensuing fire destroyed it. In addition, electric power was knocked out to some 2,000 households for two to three hours.

41 TEXAS, Western

Ogessa, Ector County 02 1937CST 0 10 0 0 3 0 Tornado (F1)
A tornado near the Big T Campground, 8 miles west of Ogessa, touched down briefly destroying a 45 x 30 feet cement block building.

Childress, Childress County 06 1803CST 0 0 2 0 Wind
Wind gusts to 57 mph in Childress downed power lines.

Ogessa, Ector County 10 1843CST 0 0 0 0 Hail
Dime-sized hail in northwest Ogessa was reported by the public. No damage.

San Angelo, Tom Green County 11 1830CST 0 0 3 0 Wind
Very strong wind in Quail Valley, a few miles north of San Angelo, damaged roofs, outbuildings and a mobile home.

Amarillo, Potter County 19 0030CST 0 0 2 0 Hail
Golfball-sized hail in Amarillo caused minor damage.

Western Two Thirds of the Texas Panhandle, including Amarillo Evening of 29th through morning of 30th 0 0 7 4 Flood
Heavy downpours flooded a very large area of the Texas Panhandle from the New Mexico-Texas State Line to about 50 miles east of Amarillo.
On the evening of the 29th the very heavy rains started west of Amarillo and spread very slowly to Amarillo and beyond. Amounts of rain exceeded 4 inches that evening and the following night and morning. Amarillo was hit particularly hard. Flood damage exceeded 25 million dollars.
Lawrence Lake, a playa lake in southwest Amarillo, overflowed and inundated approximately 3/4 square mile of densely developed real estate. Property damage included 65 businesses, 81 residences and 49 multi-family buildings. This lake, one of the largest in the area, drains around 5,700 acres. It has overflowed several times in the past, the most recent was September 3rd last year.
There was considerable flooding in other parts of the Panhandle, but damage was generally light. The heavy rains ended about mid-morning on the 30th.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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	
42 UTAH									
Box Elder County Fielding	24	2100MST			0	0	5	0	High Wind
			High winds associated with a thunderstorm down-burst, destroyed 8 barns, lifted a trailer, and damaged several other farm buildings. Winds were estimated at 70 to 80 mph. Several trees were also downed. damage was estimated at \$50,000 to \$75,000.						
43 VERMONT ————— NO REPORT RECEIVED									
44 VIRGINIA									
Pittsylvania and Halifax Counties		4 Afternoon			0	0	5	6	Hail, Wind
			Hail up to golfball-size brought the most complete destruction of tobacco crops that long-time farmers could remember. Damage followed a generally northwest to southeast track from the vicinity of Gretna, in north-central Pittsylvania County..to the Alton-Harmony area in south-central Halifax County. A dozen or more tobacco farms were hit, many a total loss. Near Sutherland, to the west of Alton, a dairy farm suffered an estimated \$45,000 damage as wind tore up buildings and trees. Loss to tobacco crops was estimated at around \$800,000.						
Bristol		8 1830EST			0	0	4	0	Rain
			Several businesses were flooded and many residential basements had water in them following up to 3 inches of rainfall in less than 3 hours. In addition, two streets were stripped of paving by rushing waters.						
Toms Brook (nr), Shenandoah County		9 1600EST			0	0	4	0	Lightning
			Lightning struck a barn, and the structure burned to the ground before firemen arrived on the scene.						
Suffolk		9 1745EST			0	0	4	0	Rain, Lightning
			A locally heavy thunderstorm dropped over 2 inches of rain in less than an hour. More than a dozen streets were flooded..water reaching to car roof-level on one side street. Lightning also caused some damage when it struck a farm implement storage building.						
South Central		11 1700-2000EST			0	0	5	0	Wind, Lightning
			At around 5PM, near Altavista, lightning struck a tree and killed 5 cows that were standing under it. Each was valued at \$500. Nearby, another lightning bolt set fire to an unoccupied house..damage was estimated at between \$25,000 and \$35,000. From 7PM to 8PM thunderstorm activity took down a number of trees in the vicinity of farmville, causing some property damage. At Dillwyn, a strong wind did considerable damage to the framework of a nursing home that was under construction.						
Chesterfield County		12 1730EST			0	1	0	0	Lightning, Wind
			Woman heard thunder in distance. while sitting in a metal swing set, and the next thing she remembered was she was on the ground suffering temporary paralysis and burns of the feet and scalds of the mouth. She was making satisfactory recovery following a brief hospitalization. Elsewhere, a wind gust of 64 mph was recorded at Byrd Field, but no damage was reported.						
Henrico County		14 1430EST			0	0	5	0	Lightning
			An apparent power surge, associated with lightning activity, ignited a television set. The resulting fire, heat and smoke caused an estimated \$80,000 damage to the dwelling, whose occupants happened to be away at the time. Three other houses were hit by lightning, but no damage or injuries were reported.						
Winchester		16 1445EST			0	0	3	0	Rain, Wind
			Nearly 2 inches of rain fell in less than one hour. Drains were unable to handle the sudden volume and up to 18 inches of water filled some streets. Winds also took down trees and power lines.						
Wytheville (nr)		16 Afternoon			0	3	0	0	Lightning
			Three members of a family were struck by lightning while they were walking in an open field. Only one of the three required hospital care.						
Norfolk		16 Evening			0	0	0	0	Rain
			Flooded underpasses and low-lying sections occurred as up to 2 1/2 inches of rain fell during slow-moving thunderstorm activity.						
Southwestern		18 Afternoon			0	0	4	0	Lightning, Wind
			At Buena Vista winds took down several maple trees and some minor damage was done to the siding of a barn. Two homes were struck by lightning..one in Dublin and the other in Newbern. The resulting fires caused an estimated total damage of close to \$10,000. At Radford lightning struck trees and wind took down a power line.. one road being blocked for a short time.						
Amelia Vicinity		23 Nr 1200EST			0	0	4	0	Lightning
			Bolt of lightning set fire to a home. Although the fire was contained to the rear portion, the house was rendered uninhabitable.						
— VIRGINIA									
Statewide		28 1700-2100EST			0	0	5	4	Wind, Hail, Rain
			The most widespread damage occurred over the extreme east central and extreme south central counties from late afternoon to the evening hours. Earlier in the day, hail severely damaged an apple orchard in Lovingsston, Nelson County, around 5:15PM. Later, in Leeds-town, Bruington and Urbanna wind uprooted trees and caused a variety of property damage. Similarly, in Lunenburg, Mecklenburg and Halifax Counties trees fell on homes and autos, while hail did an estimated \$25,000 damage to tobacco crops.						
45 WASHINGTON									
Whatcom County		07 0100PST	-	-	0	2	0	0	Lightning
			A Bellevue girl was seriously injured when she was struck by lightning while camping at Scriber Meadow on the southern slope of Mount Baker. She suffered second-degree burns and a ruptured eardrum. A boy in the same camping group suffered minor burns from the same lightning strike.						
Adams County		07 1500PST	-	-	0	0	0	?	Hail
			A fast-moving thunderstorm dropped hail on a mile-wide swath of farms near Ghellico. Crops that were damaged include corn, wheat, beans and mint. An estimate of damage is unknown because some crops are still not ready for harvesting.						
Island County		30 1500PST	-	-	1	3	?	0	Lightning
			Lightning hit a tree in the Deception Pass State Park on Whidbey Island. One part of the tree struck a Seattle man and killed him. His nephew nearby received burns when the same lightning bolt exploded the lawn chair he was sitting in. The deceased's wife and daughter were also injured from flying wood. Another part of the same tree crushed the rear of a travel trailer. Fortunately, the three occupants were in the front of the trailer and were not injured.						
46 WEST VIRGINIA									
Raleigh county		3 1400EST			0	0	4	0	Thunderstorm Winds
			A severe thunderstorm hit Shady Spring overturning and damaging two mobile homes and ripping the roof from a third. Several trailers were moved off their foundations and trees were uprooted. The press box at Shady Spring High School's football field was destroyed.						
Grant county		10 1730-1930EST			0	0	5	3	Flash Flood
			A small but very intense thunderstorm dumped up to 5 inches of rain over parts of Grant county. Flash flooding occurred on both forks of Lunice Creek with the hardest hit areas around the communities of Strehb and Maysville.						
			One trailer home was destroyed and 12 damaged. There was damage to roads, fences, crops, etc. At least six small bridges were washed out.						
47 WISCONSIN									
Monona, Dane County		03 1731CST	?	?	0	0	?	2	Hail
			5/8 inch hail occurred causing some damage to area farm crops.						
Burnett, Polk, St. Croix and Barron Counties		06 0100-2230CST			0	16	6	4	Severe Thunderstorm
			Severe thunderstorm winds produced widespread damage three miles north of New Richmond (St. Croix County). 80-100 mph winds pushed over most trailers in the Wall Street Village Trailer Park. 60 of the 67 trailers were damaged, 17 totaled causing \$480,000 in damage and 11 injuries. The Polk County Townships of Alden, Balsam Lake, and Garfield experienced widespread wind damage. Two residences were destroyed and 48 damaged. Approximately 65 rural structures were damaged and thousands of trees downed. Five injuries occurred in the Oscola area. Scattered tree damage occurred in Burnett and Barron Counties.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
WISCONSIN									
Watertown and Jefferson County	06	1500CST			0	2	4	0	Severe Thunderstorm
	High thunderstorm winds rolled a trailer off its foundation injuring its two occupants.								
Milwaukee, Dodge, Washington and Racine Counties	06	1500-1600CST			0	0	4	0	Severe Thunderstorm, Waterspout
	60 to 80 mph winds caused widespread structural and tree damage. Electric service to 10,000 was interrupted in the Milwaukee metropolitan area. A waterspout occurred 1½ miles east of Wind Point in Racine over Lake Michigan.								
Dodge and Jefferson Counties	10	1300-1630CST			0	0	5	?	Flooding
	Five to seven inches of rain fell in a circular 10-mile area centered on Watertown in a 3½ hour period. Standing water, up to four feet deep, covered the area for several hours after the rain. One local report of 10 inches of rain was received from Watertown. Flood damage was concentrated in Watertown with damage of \$211,000 to homes and businesses and \$75,000 damage to roads, culverts, and bridges.								
Soldiers Grove, Crawford County	13				0	0	4	0	Lightning
	A lightning-caused fire destroyed a large barn and its contents resulting in a \$100,000 loss.								
4 North of Waterloo, Dodge County	14	1450CST	200'	67	0	0	4	0	Tornado (F1)
	A tornado, observed by several witnesses, briefly touched down, destroying a barn and damaging nearby structures.								
Mayflower Lake, Marathon County	15	1915CST	.7	50	0	0	3	0	Tornado (F1)
	A small tornado swept southeast from Mayflower Lake into a rural area at the south end of the Lake. Along a ¾ mile path, trees were downed and one residence was damaged.								
Douglas, Ashland, Bayfield, Iron, Washburn and Sawyer Counties	17	0330-0530CST			0	0	5	0	Severe Thunderstorm
	Two waves of severe thunderstorms swept across the area, each accompanied by winds of 60 to 90 mph. Widespread power outages, due to fallen trees and toppled power lines, resulted in the affected areas. Golf-ball sized hail was reported from numerous locations in northern Washburn County.								
Abrams, Oconto County	17	1725CST	?	?	0	0	?	?	Hail, Funnel Cloud
	½ inch hail and a funnel cloud occurred in the Abrams area.								
Central and South Door County	17-18	1930-0400CST	?	?	0	0	4	5	Hail, High Wind, Flash Flooding
	Extensive crop damage resulted from all-night thunderstorms, accompanied by periods of large hail, damaging winds, and heavy rain. ¼ inch hail, accompanied by 50 mph winds, hit Sturgeon Bay at 2200 CST on the 17th, and ½ inch hail occurred again at 0200 CST on the 18th. 6.70 inches of rain was also measured at Sturgeon Bay. Oat fields were flattened and cherry orchards suffered severe damage. Flash flooding across the south half of the county occurred between 0100 and 0400 CST on the 18th, with damage confined to washouts of rural roads.								
Shullsburg, Lafayette County	18	0100CST			0	0	4	0	Lightning
	18 cattle, clustered beneath a tree, were struck and killed by lightning.								
Buffalo and Trempealeau Counties	21	1350CST			0	0	4	?	Flash Flood
	Two to four inches of rain, occurring within 2½ hours, resulted in numerous scattered flash flood occurrences. Flooding in Trempealeau County was limited to the extreme north, resulting in a few mud slides but no significant damage. Buffalo County had many rural road washouts with the worst damage occurring in the Mondovi area.								
WISCONSIN									
Dunn, Pierce, Pepin, and Jackson Counties	25	1530CST			0	0	5	6	Severe Thunderstorm, Hail
	60 to 90 mph winds flattened crops, damaged hundreds of trees, and destroyed 75 rural structures. Most destruction occurred in Pierce County, which reported the following damage: \$630,000 for corn; \$123,000 for oats; \$35,000 to soybeans; and \$125,000 to rural buildings. In Dunn County, damages were as follows: \$82,000 for corn; \$20,000 for oats; and \$100,000 to rural buildings. Hail also accompanied the wind at many Pierce County locations. Menomonie (Dunn County) had 80 mph winds.								
Jackson, Juneau, and Monroe Counties	25	1705-1800CST	2	67	0	0	5	3	Severe Thunderstorm, Tornado (F1)
	A severe thunderstorm, producing 60-80 mph winds and small hail, roared through the area from the northwest. Many roads were blocked by fallen trees in the three-county area. Downburst winds of about 80 mph occurred in a northwest-southeast area 12 miles long and 1½ miles wide from Hixton across Black River Falls to Brockway in central Jackson County. 52 mph winds were measured at Black River Falls. A small tornado moved from north to south in Irving Township (Jackson County). The path was about 200 feet wide and 2 miles long, extending from County Highway X south to County Highway H. In Juneau County, most damage occurred in Clearfield Township. Many trees were downed and several large barns were damaged.								
48 WYOMING									
Thermopolis, Hot Springs County	1	1400MST	?	1760	0	?	6	?	Hail
	A thunderstorm produced a one-mile wide strip of hail from northwest to southeast across Thermopolis. Hail stones ranged from golf ball to base ball size. Damage estimates were in the millions. Personal injuries were minor.								
Kaycee, Johnson County	5	1500MST	1/8	?	0	0	2	0	Tornado (F0)
	A tornado touched down at a ranch on the Red Fork of the Powder River 20 miles west of Kaycee. It uprooted and damaged trees.								
Jelm Mountain, Albany County	8 PM		0	0	0	0	4	0	Lightning
	15 PM		0	0	0	0	3	0	
	Lightning destroyed a \$7,000 surge arrester at the University of Wyoming's infrared observatory on the 9,656 foot summit of Jelm Mountain. A second strike on July 15 knocked out \$2,000 worth of peripheral equipment.								
Boysen Reservoir, Fremont County	16	1040MST	0	0	0	50	0	0	Clear air turbulence
	A United Air Lines DC-10 encountered severe clear air turbulence at 39,000 feet, 30 miles west of Boysen Reservoir. Fifty passengers were injured as they bounced over seats and against the ceiling. The severe jolt lasted about one minute.								
LaBarge, Lincoln County	22	1930MST	0	0	0	0	?	0	High winds
	Strong winds jerked a two-pole structure out of the marsh about one mile south of the LaBarge substation causing a power failure to LaBarge and most of Sublette County from 1930 MST Thursday to 830 MST Friday.								
Rock Springs, Sweetwater County	24 PM		0	0	0	0	2	0	Local flooding
	A thunderstorm dumped over two inches of rain on the city causing local flooding of some streets and a few basements.								
Dubois, Fremont County	24 PM		0	0	0	0	2	0	Local flooding
	A cloudburst caused Tappan Creek north of Dubois to flood and overflow into Pony and Horse Creeks. Mud and debris covered parts of Highway 287 and caused some damage to two homes in the area.								
Moorcroft, Crook County	24 PM		?	?	0	0	3	3	Tornado (F1)
	A thunderstorm dumped 2.3 inches of rain in a short period of time causing local flooding. It also spawned a tornado and marble-size hail which left a path of destruction in the Buck Miller Subdivision north of town and damaged crops in the area.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1982

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									
Gillette, Campbell County	24	1900MST	0	0	0	0	2	0	Thunderstorm
			Brief heavy rains (about one inch) from a thunderstorm caused minor urban flooding. High winds associated with the storm did some minor damage northeast of Gillette.						
Natrona County	24	PM							
	25	PM	0	0	0	0	4	0	Thunderstorms
			Several roads in Natrona County were damaged due to heavy rains and hail from thunderstorms on Saturday and Sunday. Washed out or plugged culverts were the main problems.						
Gillette Campbell County	25	1800MST	0	0	0	0	6	?	Flooding
			A thunderstorm produced more than an inch of rain on Gillette in less than 20 minutes. The storm also brought marble-size hail and winds up to 50 mph. The Gillette area was already saturated from storms of the preceding Wednesday and Saturday. Storm related damages primarily due to flooding approached one million dollars.						
North Portal Area, Fremont County	27	PM	0	0	0	0	4	0	Flash flooding
			Thunderstorms dumped up to 3 inches of rain in the North Portal Area of northern Fremont County during the evening causing flash flooding and road washouts in some places.						
49 ALASKA									
Central Interior	10	1435AST			0	0	0	0	Funnel Clouds
			Two funnel clouds were reported 10 miles northeast of North Pole Alaska. They lasted about 5 minutes reaching down to within 500 feet of the ground. No damage was reported.						
Central Interior	12	1030AST			0	0	4	4	Flash Flood
			Heavy rain fell over the University of Alaska campus in Fairbanks from 11:30 AM to 2 PM. At the Experiment Station 1.52" fell in 30 minutes. Several campus buildings had water in the basements with road damage being reported from the heavy runoff. There was considerable crop damage at the University Experimental farm.						
50 HAWAII									
Hawaii and Maui	16-17				0	0	5	5	Heavy Rain
			Remnant moisture from tropical storm EMILIA which moved westward to the south of the Big Island interacted with an upper level trough and produced heavy rains over the Hamakua, Hilo, Puna, and Kau sections of the island of Hawaii. Several 12 to 24 inch rainfall totals reported above Hilo. Also heavy showers over Maui. Flash flood damage relatively minor.						
Hawaii and Maui	21-22				0	0	6	5	Heavy Rain, Wind
			Tropical Depression DANIEL moved westward to the south of the Big Island and then made an anti-cyclonic U-turn moving northeastward close to the Kona coast and through the Alenuihaha Channel between Maui and Hawaii while dissipating. Heavy thunderstorms in the northeast quadrant of the depression dumped many 4 to 8 inch rains over Hawaii Island and eastern Maui. Scattered flash flooding occurred in these areas while wind damage was sustained to overhead wires, orchard fruit, and to several small boats at Kona. Water and wind damage about \$ 1/2 million.						
Hawaii and Oahu	23	1400 to 1800HST			0	0	4	0	Heavy Rain
			Localized heavy showers in the aftermath of DANIEL caused minor flash flooding in the Hilo area and also at Enchanted Lakes Kailua on windward Oahu. Rainfall for the month of July at Hilo reached 28.59 inches for a new July record. A few hours after the end of the month, Hilo was drenched by an additional 7 inches as Tropical Storm GILMA moved by to the south. The effects of this storm will be featured in the August Storm Data.						
51 PUERTO RICO									
Bayamon	20	1500AST			2	0	4	0	Lightning
			Two men were killed when lightning struck a utility pole which snapped off and dropped a high tension wire on top of them.						
Trujillo Alto	20	1600AST			1	0	0	0	Lightning
			A man was struck by lightning while picking mangos near his house in Barrio La Gloria.						
Moca	20	Afternoon			0	0	5	0	Thunderstorm, High Winds
			High winds from afternoon thunderstorms damaged plantain, orange and banana crops in Barrio Cuchillas. Several houses were damaged when their zinc roofs were torn off.						
52 VIRGIN ISLANDS ————— NONE REPORTED									
53 PACIFIC ————— NONE REPORTED									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

LATE REPORTS

LATE REPORTS

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	

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

16 LOUISIANA

JUNE 1982

Franklin Parish	10	1545CST							Hail
1 inch diameter hail was reported between Baskin and Winstboro. No damage reported.									
Webster Parish	11	1715CST							Hail
Hail .75 inch diameter was reported at Shongaloo. No damage reported.									
Bossier Parish	11	1715CST					3		High Winds
A severe thunderstorm produced high winds which uprooted trees in Koran. One house received considerable damage when a tree fell on it.									
Union Parish	11	1840CST					4	4	Hail
A severe thunderstorm produced 2 inch diameter hail at Farmersville. The hail fell for 20 minutes damaging automobiles and roofs of dwellings.									
Ouachita Parish	11	Evening						3	High Winds
A severe thunderstorm with winds estimated at 60 mph uprooted a large tree which extensively damaged one automobile.									
Morehouse	11	1855CST					2	0	Hail
Hail 1-1.5 inches in diameter was reported during a severe thunderstorm 10 miles north of Bastrop. Only minor damage to automobiles was reported.									
West Carroll and East Carroll Parishes	11	1905CST					4	4	Hail/High Winds Lightning
A severe thunderstorm produced wind and hail damage across the eastern portion of West Carroll Parish including the towns of Forest, Pioneer, and Darnell then moved across the northern portion of East Carroll Parish producing wind and hail damage at Lake Providence. Hail averaged 1.5 inches in diameter along the storm path covering the ground in places. Approximately 200 acres of cotton was destroyed. A fire caused by lightning destroyed one house one mile west of Pioneer in West Carroll Parish.									
Bossier and Caddo Parishes	11	2050CST							Hail/High Winds
A severe thunderstorm accompanied by 60 mph winds and marble size hail downed power lines and uprooted trees in both Shreveport and Bossier City.									
Rapides Parish	12	1230CST					5	0	Tornado(F1)
A severe thunderstorm produced a tornado which moved through Alexandria, La. Path was about 200 yds wide and 5 miles long. Considerable damage was done to trees, power lines, and roofs with one mobile and several sheds destroyed. Also many automobiles sustained damage due to flying debris. No injuries or deaths were reported.									
Calcasieu Parish	12	1300CST							Tornado(F1)
A small tornado was observed for a short time in a field 5 miles west of DeQuincy. No reported damage other than to vegetation.									
Calcasieu Parish	12	1335CST							High Winds
A severe thunderstorm produced high winds which blew a police car off of the road near the town of Moss Bluff. The same storm also produced wind damage at Moss Bluff.									
Union Parish	12	1835CST					2	2	Hail/High Winds
A severe thunderstorm moved across Union Parish with wind damage to trees and power lines at Bernice. Hail of 1-1.5 inches in diameter was reported at Downville and Point.									
Morehouse East Carroll and West Carroll Parishes	12	1945CST					5	5	High Winds/Hail
A large severe thunderstorm moved from Oak Ridge in Morehouse Parish through the Central portions of West Carroll and East Carroll Parishes. Wide spread hail of 1.5-2 inches in diameter occurred. This was the second night in a row for much of this area. At both Forest and Pioneer in West Carroll Parish the hail fell for 30 minutes completely covering the ground. Extensive damage occurred to roofs, cars, and crops. An additional 600 acres of cotton were destroyed by this storm. Winds were reported to have uprooted trees near Oak Ridge in Morehouse Parish.									
Bossier Parish	12	2014CST							Hail/High Winds
Winds of 60 mph and hail 3/4 inch in diameter were reported 5 miles north of Plain Dealing.									
Orleans Parish	16	2000CST					1	2	High Winds
One person was severely injured when winds from a thunderstorm uprooted a large tree which fell on an automobile on Lakefront Drive.									

17 LOUISIANA

Cameron Parish	17	0835CST							Funnel Cloud
A funnel cloud accompanying a thunderstorm was observed over Gran Chenier, La. No damage was reported.									
DeSoto Parish	21	1045CST						3	Lightning
Lightning struck an oil storage tank 4 miles north-east of Logansport, causing a large fire. In all 2 storage tanks valued at \$10,000 and one barn were destroyed.									
Sabine Parish	21	1415CST							High Winds
Highwinds accompanying a thunderstorm uprooted trees near Pleasant Hill.									
Calcasieu Parish	21	Aftn							Heavy Rains
A series of thunderstorms moved across Lake Charles. These storms produced over 3 inches of rain in a short time causing widespread flooding of streets and roadways. Damaged was confined mainly to automobiles.									

17 MAINE

APRIL 1982

Statewide	06-08 Late MrngEST						2	0	5	0	Near Blizzard
An intense coastal storm dumped from 7 to 26 inches of snow over the state in about 24 hours. Winds gusted between 50 and 65 mph statewide. Augusta had gusts of 62 mph on the 6th and to 60 mph on the 7th, while Portland measured gusts of 54 mph on the 6th and to 53 mph on the 7th. Snowdrifts to 6 feet were common with a 15 foot drift isolating Biddeford Pool from Biddeford for 24 hours. The blowing snow reduced visibility to near zero making travel nearly impossible. The Maine Turnpike closed Tuesday evening for 10 hours because of the blowing and drifting snow along with 100 disabled cars made the road impassable. Temperatures in the teens and 20s coupled with strong winds resulted in extreme cold wind chill factors. Most government agencies, schools, and businesses closed for up to 3 days. There were two deaths, a 69 year old Falmouth man and a 70 year old Greenville man, both from heart attacks while shoveling snow. Parts of two greenhouses in Biddeford collapsed from the snow and strong winds. Portland reported 16 inches in about 20 hours setting a single storm record for April. The old standard was 15 inches on the 9th and 10th of 1906. Caribou had a total of 26.3 inches from this storm. Other amounts reported around the state were: Mib - 6.5; Lovell - 8; Eastport - 8; Harmony - 8; Millinocket - 9; Guilford - 9; Livermore Falls - 10; Winthrop - 10; Blanchard - 11; Houlton - 11; Phillips - 12; Kingfield - 12; New Sharon - 12; Fort Kent - 12; Bangor - 12; Rumford - 13; Augusta - 15; Lewiston - 19; West Paris - 20; East Hiram - 20.											

23 MISSOURI

MAY 1982

Clay	15	2257CST					0	0	0	0	Large Hail
Hail to one inch diameter at Gladstone.											
Saline	16	0005CST					0	0	0	0	Large Hail
Hail to 3/4 inch diameter at Malta Bend.											
Linn	16	0100CST	2	50	0	0	1	0	0	0	Tornado (F1)
A mini tornado touched down near Marceline doing only minor damage.											

34 OKLAHOMA

JUNE 1982

Goldsby, McClain County	11	0300CST	1.0	50	0	0	5	?	?	?	Tornado (F2)
A tornado struck the Old Goldsby Airport, located just south of the Canadian River. Several of the hangers and a few airplanes were damaged. One 20 ft. by 70 ft. section of hanger roof was blown about a 1/4 mile. (Note, this is a different airport than the one in Norman already reported with wind damage on the same date and time. Probably there was also more damage in McClain and Cleveland Counties which went unreported.)											
Wolf, Seminoe County	26	0000CST					2	1	?	?	Flooding
Two men were drowned when a pickup truck in which they were riding was swept off a low water crossing. The pickup was found the same day at 1400CST with only about six inches showing, the rest was covered by sand. The two men were found on June 29th, one was found 2 miles downstream in a low-hanging tree, and the other was found 4 1/2 miles downstream washed up on the bank.											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

LATE REPORTS

LATE REPORTS

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	

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	

41 TEXAS, Southern

JUNE 1982

Val Verde County (Lake Amistad 12 mi. NW Del Rio)	12	0550CST				0	0	5	0	TSTM Winds
High winds associated with a thunderstorm struck Lake Amistad doing considerable damage at two marinas on the lake. 65 mph winds were recorded at the Laughlin Air Force Base marina, damaging two sailboats. Damage was more widespread at the Mexican marina on the southwest side of the reservoir, where some 12-15 sailboats were either driven aground, overturned, or sunk, and some floating docks were torn loose and damaged.										
Brooks County (Falfurrias)	12	1400CST				0	0	3	0	TSTM Winds
High winds associated with a thunderstorm did extensive damage to a hay barn and an equipment shed at a farm east of Falfurrias. According to the owner of the property, sheet metal from the roof of the hay barn was found scattered some 300 yards from the barn. Closer to town, several light poles were bent over and approximately 90 customers in the community of Los Olmos were without power for a short time.										
Galveston County	16	1340CST				0	0	?	?	Hail
Marble to golfball size hail fell near Texas Avenue and Highway 146 in Texas City.										
Jefferson County	16	1345CST				0	0	0	0	Funnel Cloud
A funnel cloud was spotted just south of U.S. 90 between Nome and China.										
Galveston County	16	1530CST				0	0	3	0	TSTM Winds
A funnel cloud was sighted near Alta Loma, and winds estimated between 50 and 60 mph tore the roof off of a mobile home and blew over several trees. Lightning struck several transformers causing power outages over a large portion of the mainland part of the county. Marble-size hail fell briefly in association with the thunderstorm.										
Jefferson County	16	1700CST				0	0	2	0	TSTM Winds
Marble to golfball size hail fell for 10 to 15 minutes in the South Park area of south Beaumont covering the ground in some places. Winds estimated between 35 and 40 mph blew over a few trees, one falling on top of a house and damaging the roof. The lightning strikes also caused some brief power outages.										
Val Verde County	19	1606CST				0	0	0	0	Funnel Cloud
A funnel cloud was sighted by a Sheriff's deputy 4NE of Juno.										
Val Verde County	19	1615CST				0	0	3	0	TSTM Winds
High winds, large hail and heavy rain were reported at the Cauthon Ranch 2ESE of Juno. Two barns were destroyed as well as several trees stripped and uprooted.										
Lee County (Giddings)	21	2100CST				0	0	5	0	TSTM Winds
Thunderstorm winds estimated at 60 mph unroofed several buildings and uprooted trees near Giddings. A farm a few miles northeast of Giddings lost the roof off a barn about 2130CST. At the Giddings State Home and School, one half mile east of Giddings on U.S. 290, the winds did several hundred thousand dollars damage when the metal roofs on several of the buildings blew off at 2200CST. Damage occurred to parts of the administrative building, the school itself, the gymnasium, chapel, and several of the cottages. Water damage to the inside of the buildings after the roofs blew off compounded the loss. At approximately 2215CST, the same storm blew the roof off a trailer home on FM 448.										
Galveston County	22	0840CST				0	0	0	0	Funnel Clouds Waterspout
Three funnel clouds were sighted offshore from East Beach on Galveston Island, while a waterspout was spotted over West Galveston Bay near 61st Street.										
Galveston County	22	0930CST				1	0	4	0	TSTM Winds
Four boats sank near Galveston due to high winds and seas associated with a thunderstorm. One man drowned after the anchor line of his 18-foot pleasure boat got tangled in the propeller, began taking on water, and sank about 200 yards off the south jetty. Another person in the boat was pulled from the water safely after spending about two hours in the water. In other incidents, a 36-foot shrimp boat sank in about four feet of water near Dollar Point in Moses Lake, a shrimp boat sank about five miles south of Galveston, and a 15-foot outboard sank about three miles east of Seabrook. No injuries were reported with those incidents.										

TEXAS, Southern

Llano County	22	1515CST				0	0	3	0	TSTM Winds
High winds associated with a severe thunderstorm blew down trees, signs and some boat docks in Llano and the Tow area. In Smithwick, the winds blew the roof off a home and caused a large tree to fall.										
Williamson County	22	1536CST				0	0	0	0	Funnel Cloud
A funnel cloud was sighted in the Liberty Hill area in the western part of the county.										
Gillespie County	22	1600CST				0	0	4	0	TSTM Winds
High thunderstorm winds did extensive damage to a mobile home and a nearby car. Small hail covered the ground in parts of town.										
Travis County	22	1630CST				0	0	5	0	TSTM Winds
A heavy thunderstorm moved through the county with lightning, high winds and small hail. The winds blew over trees in the Austin area and damaged marinas at Lakeway and Point Venture west of Austin. Two boaters were rescued on Lake Travis but their boats were destroyed. Lightning also struck two homes in Austin in addition to hitting lines and transformers, knocking out power all over the city.										
Travis County	22	1650CST	1	25		0	0	0	0	Tornado (FO)
A funnel cloud was first sighted near Hickory Road in Austin. The funnel briefly touched down and roared back up near Menchaca Road some 12 miles southwest of the Austin airport at 1705CST. No damage or injuries.										
Hays County	22	1700CST				0	0	2	0	TSTM Winds
Thunderstorm winds estimated at 60 mph uprooted trees and cut off power to nearly 200 residents in San Marcos.										
Walker County	22	Evening				0	0	2	0	TSTM Winds
High winds blew tree limbs onto electrical lines shorting out several transformers in the Huntsville area.										
Jefferson County	24	1430CST				0	0	4	0	TSTM Winds
High thunderstorm winds tore the roof off a warehouse in the southern section of Beaumont. Small hail was also reported with the thunderstorm. The winds also knocked down some trees. That, combined with lightning strikes, caused 500 people to be without power for about an hour. Lightning also caused a fire at a residence with \$15,000 worth of damage.										
Galveston County	26	1655CST				0	0	0	0	Funnel Cloud
A funnel cloud was sighted in Dickenson near Avenue G.										
Harris County	26	1815CST				0	0	0	0	Funnel Cloud
A funnel cloud was sighted near Clear Lake City southeast of Houston										
Brazos County	26	1820CST				0	0	5	0	Lightning
Lightning set fire to an oil storage tank. The thunderstorm also caused brief electrical and telephone outages in College Station and the southern part of the county as a result of 50 mph winds, and marble size hail fell.										
Galveston County	26	1830CST				0	0	5	0	TSTM Winds
Between 35 and 40 sailboats were either capsized or blown up on rocks in Galveston Bay near the Texas City dike when high winds and seas developed suddenly in association with a thunderstorm. Five boats were sunk. A camper was also overturned by the high winds as people had gathered to celebrate the opening of Tackle Time. The high winds and lightning also caused scattered power outages.										
Harris County	26	1830CST				0	0	6	0	Lightning
Lightning struck a two-story tank of compressed hydrogen at an ethyl chemical plant along the Houston ship channel in Pasadena, touching off a fire and a series of explosions. Lightning also struck a crude oil storage tank at Uvalde and Wallisville roads in southeast Harris County about 1817CST, causing a fire. A 300-gallon storage tank at Spain-Bear, Inc., near the Astrodome, also burst into flame after being hit by lightning.										
Fort Bend County	26	1850CST				0	0	0	0	Funnel Cloud
A funnel cloud was sighted near Smithers, about 15 miles southeast of Rosenberg.										
Harris County	26	1915CST	.3	40		0	0	4	0	Tornado (FL)
A tornado touched down briefly in West Pasadena, east of Houston, damaging the roofs of several homes and uprooting trees in the area.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

LATE REPORTS

LATE REPORTS

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	

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	

— TEXAS, Southern

Galveston County	26	1925CST	0	0	0	0	0	0	Funnel Cloud	<p>A funnel cloud was sighted near Texas City and a few minutes later near High Island.</p>
Burnett County	26	2030CST	0	0	?	?			Hail	<p>Golfball size hail was reported at Silver Creek on the east side of Lake Buchanan.</p>
Williamson County	26	2100CST	0	0	4	0			TSTM Winds	<p>Thunderstorms hit various parts of the county with high winds and hail. In Granger, a roof was blown off a house. Hutto reported winds estimated at 60 to 65 mph. At Taylor, a recording wind gage at the municipal airport registered a peak gust of 104 mph, and a small airplane was flipped over. Power was knocked out over a large portion of Georgetown along with considerable tree damage and some minor damage to roofs.</p>
Jefferson County	28	0900CST	0	0	0	0			Funnel Cloud	<p>A funnel cloud was spotted over the Jefferson City Shopping Center in Port Arthur.</p>
Orange County	28	1100CST	0	0	1	0			TSTM Winds	<p>Small hail was reported at Rose City in northwest Orange County, and some tree limb damage occurred between Orange and Vidor, along with minor flooding.</p>
Jefferson County	28	1246CST	0	0	0	0			Funnel Cloud	<p>A funnel cloud was sighted in the vicinity of Thomas Jefferson High School in Port Arthur.</p>
Orange County	28	1400CST	0	0	4	0			Heavy Rain	<p>Heavy rains in excess of five inches caused urban flooding in the city of Orange.</p>
Brazos County	28	1900CST	0	0	1	0			TSTM Winds	<p>Minor property damage due to trees blown over by high winds occurred in the Bryan-College Station area.</p>
Bexar County	30	1330CST	1	0	0	0			Lightning	<p>A National Guard soldier at Fort Sam Houston in San Antonio was struck by lightning while emptying trash into a metal dumpster near his barracks. He died the following day.</p>
Guadalupe County	30		0	0	4	0			TSTM Winds Lightning	<p>High winds and heavy rain accompanied a heavy thunderstorm as it moved northwest across the Seguin-McQueeney area, damaging buildings, homes, and trees. In McQueeney, a 320-foot section of a storage building was lifted from its foundation and dropped on power lines. The \$50,000 building was declared a complete loss. Elsewhere in the area, houses and trees sustained widespread light damage in downtown Seguin and in the Parkview Estates area south of the Guadalupe River. Minor wind damage to trees along with heavy rains occurred in New Berlin, Kingsbury, and Staples. An oil storage tank on County Road 417 near New Berlin also caught fire after being struck by lightning.</p>

41 TEXAS, Western

MAY 1982

Bushland, Potter County	09	2000CST	-	-	-	-	-	-	Tornado (F1)	<p>A tornado was observed by the Texas Tech Tornado Intercept Team to have hit the town of Bushland. Several residences were damaged.</p>
Matador, Motley County	11	1527CST	0	0	0	0			Funnel	<p>A large funnel was observed 3 miles west of Matador which lasted for four minutes.</p>
Matador, Motley County	11	1609CST	0	0	0	0			Funnel	<p>A rope-shaped funnel was observed 6 miles northeast of Matador and lasted 9 minutes.</p>
Northfield, Motley County	11	1641CST	0	0	0	0			Funnel	<p>A small funnel was observed 7 miles southwest of Northfield and lasted 10 minutes. All three funnels above were observed by the Texas Tech Tornado Intercept Team.</p>

— TEXAS, Western

Memphis, Hall County	11	1850 to 1905CST	2	0.5*	0	0	3	2	Tornado (F1)	<p>A wide tornado touched ground about 14 miles southwest of Memphis and moved northeastward across FM 651. A sheet metal barn was destroyed, a half mile of telephone poles were downed, a boxcar was overturned and the roof of one residence was damaged.</p>
Memphis, Hall County	11	1915CST	0.5	0.25*	0	0	1	1	Tornado (F0)	<p>A tornado was observed 7 miles west-southwest of Memphis and lasted only a few minutes. Both tornadoes above were observed by the Texas Tech Tornado Intercept Team.</p>

45 WASHINGTON

JUNE 1982

Okanagan County	30	Aftn	-	-	0	0	?	?	Thunderstorm	<p>The Okan area was hit by a thunderstorm accompanied by lightning and heavy rain. Lightning caused three structure fires. The rain caused some local flooding and washed away a 700 foot section of Highway 20 and parts of Loup Loup canyon and Buzzard Lake County roads.</p>
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50 HAWAII

JANUARY 1982

Kauai and Oahu	6-7	Moist southerly flow associated with a deep low pressure system to the west of the Islands produced heavy rains in the 4 to 8 inch range which caused minor flooding mainly on Kauai and Oahu.	0	0	4	0	0	0	Heavy Rain
Statewide	17-22	Heavy showers over a 5-day period averaging 10 inches in many areas caused scattered minor flooding on all Islands. Some road closures due to washouts and rock-slides.	0	0	4	0	0	0	Heavy Rain
Hawaii Island	26-27	Localized minor flash flooding and landslides due to heavy rain along the windward coast of the Big Island.	0	0	4	0	0	0	Heavy Rain

53 PACIFIC

JANUARY 1982

NONE REPORTED

STORM DATA AND UNUSUAL WEATHER PHENOMENA CORRECTIONS

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

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

3 ARKANSAS

MAY 1982

DELETE:
ONE TORNADO & LARGE HAIL

in Boone County on the 28th, 1750-1816CST (page 12).

ADD:
ONE TORNADO & LARGE HAIL

listed below:

Boone County

28 1750-1815CST 16 10 0 0 3 0 Tornado (F1) Large Hail
Brief touch downs of intermittent tornado were reported near Gaither at 1750CST, two miles southwest of Harrison at 1755CST, and ten miles east of Harrison at 1815CST with movement to the northeast at 45 MPH. Several funnel clouds were reported as the severe thunderstorm moved over Harrison. Bergman received baseball sized hail. Damage reports were confined to broken windows in automobiles and buildings in Bergman.

34 OKLAHOMA

MAY 1982

Peek, Ellis County

15 2130CST Tornado (F2)
Change Peek to Peek. Peek located at @ 35°58' N, 99°37' W.

41 TEXAS, Western

MAY 1982

DELETE:
ONE TORNADO

at Dawn, Deaf Smith County on the 9th at 1913CST (page 42).

ADD:
ONE TORNADO

listed below:

Dawn, Deaf Smith County

09 1908CST 1 100 0 0 1 2 Tornado (F0)
A small tornado 5 miles north of Dawn moved eastward through a wheat field and telephone lines. It lasted only 2 minutes.

DELETE:
ONE TORNADO

at Silvertown, Briscoe County on the 16th at 1656CST (page 43).

ADD:
2 TORNADOES

listed below:

Silvertown, Briscoe County

16 1645 to 1706CST 5 50 0 0 1 1 Tornado (F0)
A tornado was seen moving northward 6 miles east of Silvertown, just south of route 256. It lifted at 1653CST, however, the funnel continued aloft in a northeastward direction. At 1702 it touched down again 8 miles east-northeast of Silvertown and moved eastward, again as a tornado, 3 more miles.

Silvertown, Briscoe County

16 1647 to 1658CST 3 100 0 0 3 1 Tornado (F1)
A rope-shaped tornado 8 miles northeast of Silvertown moved eastward and destroyed a barn. Both of the above tornadoes were observed by the Texas Tech Tornado Intercept Team.

DELETE:
3 TORNADOES

at Pampa, Gray County on the 19th at 1755CST, Heaton, Gray County on the 19th at 1825CST, and Laketon, Gray County on the 19th at 1850CST (page 44).

ADD:
8 TORNADOES & 1 FUNNEL

listed below:

Skellytown, Carson County

19 1658 to 1700CST 0.5 50 0 0 1 1 Tornado (F0)
A rope-shaped tornado just southwest of Skellytown moved eastward through the 6666 Ranch. It lasted only 2 minutes and damage was minimal.

TEXAS, Western

Pampa, Gray County

19 1723 to 1755CST 1.5 1/3* 0 0 5 1 Tornado (F3)
A V-shaped tornado formed four miles west of Pampa and remained nearly stationary as it became column-shaped and eventually rope-like as it dissipated. During its 22 minute life it had only moved 1.5 miles. The damage path extended northeast and then curved back to the northwest. A residence was moved westward across a farm road and the entire floor was deposited in an open field with debris scattered toward the northwest. Several oil tanks were damaged and completely covered with mud. Trees were stripped of large branches.

Pampa, Gray County

19 1753 to 1815CST 4 1/2* 0 0 6 4 Tornado (F3)
A tornado 4 miles east of Pampa moved northeastward through a wheat field, turned westward, and then southeastward making a clearly defined loop path. It struck the Pampa Industrial Park, 4 and 1/2 miles east of Pampa, doing the greatest amount of damage there. Halliburton Services and Cudd Pressure Control together lost 7 new large metal buildings, several trucks and two large tanks for a total loss of between 3 to 4 million dollars. The damage covered an area about 750 yards wide and was consistent with a multiple vortex. A semi-truck was tipped over onto a Department of Public Safety vehicle; and, 2 houses, a barn and a water tower at Hoover were destroyed.

Pampa, Gray County

19 1802CST Funnel
An anticyclonic funnel formed in the vicinity of the tornado listed above. It moved northward and dissipated after a few minutes.

Pampa, Gray County

19 1809CST 0.5 20 0 0 1 1 Tornado (F0)
A small anticyclonic tornado formed 8 miles northeast of Pampa. It was needle-shaped and lasted only a few minutes.

Pampa, Gray County

19 1812 to 1840CST 6 1* 0 0 5 4 Tornado (F2)
A giant tornado formed 10 miles northeast of Pampa and moved eastward. It struck several farm residences and knocked down power lines. Some residences lost roofs and occasionally exterior walls. It crossed Rt. 60 about 12 miles northeast of Pampa and dissipated about 7 miles south of Miami.

Heaton, Gray County

19 1825CST Tornado (F3)
A tornado did considerable damage to a feedlot on State Road 152 east of Heaton and then apparently moved northeast where it destroyed a mobile home and severely damaged three houses along Highway 60.

Laketon, Gray County

19 1850CST Tornado (F2)
A tornado hit about 15 miles south of Miami near Laketon. It downed power lines and destroyed a house and irrigation sprinklers.

Miami, Roberts County

19 1904CST 0.25 20 0 0 1 1 Tornado (F0)
A small rope-like tornado was observed about 10 miles west-northwest of Miami by the Texas Tech Tornado Intercept Team.

REFERENCE NOTES

† Storm damage categories are from	*	Miles instead of yards
1 to 9 as follows:	**	Yards instead of miles
1 Less than \$50	°	Includes crop damage
2 \$50 to \$500	@	Includes heavy sleet storm
3 \$500 to \$5,000	#	Freezing drizzle and freezing rain, commonly known as glaze
4 \$5,000 to \$50,000	≠	Not received or incomplete
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		

"F" SCALE DEFINITIONS

0 = 40-72	MPH	Breaks branches off trees; signboards damaged.
1 = 73-112	MPH	Peels surface off roofs; trailer houses pushed or damaged.
2 = 113-157	MPH	Tears roofs off frame houses and outbuildings; cars blown off highway.
3 = 158-206	MPH	Windows of skyscrapers smashed; frame houses destroyed; cars lifted off ground.
4 = 207-260	MPH	Skyscrapers twisted; frame houses leveled; cars blown some distance.
5 = 261-	MPH	or greater.

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