

# STORM DATA



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# STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1981

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>ALABAMA</b>									
Hamilton area, Marion County	1	12:30a							Hail
									Quarter size (1 inch diameter) hail reported by State Troopers.
Hanceville area, Cullman County	1	1:31a			0	0	4	0	Lightning
									Lightning struck a home just outside the Hanceville city limits. The house was completely destroyed by fire. The owner was asleep in the basement den of the home when the storm struck, but escaped unharmed. The lightning also dug a trench several feet long in the ground near the house.
Hurtsboro, Russell County	1	2:15a	3 1/2	100	2	23	7	0	Tornado
									Two persons were killed and 23 injured when a major tornado devastated Hurtsboro's business district and much of the residential area. One person was killed when the storm destroyed their mobile home. Another person was killed when their home was destroyed. Eight of the injured were admitted to hospitals.
									Damage was estimated at \$8.5 million dollars with about 80 percent of the property in the city damaged or destroyed. Twenty-five homes, 8 mobile homes and 25 businesses were totally destroyed. Forty-one homes and 10 businesses suffered major damage.
									The tornado apparently touched down just west of the city limits and moved eastward through the central part of the city before lifting along Alabama Highway 26 east of Hurtsboro. The damage path was apparently wider where the storm first touched down just west of the city limits.
Holly Pond area, Cullman County	1	3:50a			0	0	3	0	Lightning
									A lightning bolt struck the ground about 30 yards from the south end of a brick home and traveled along the ground to the building and caused major damage to the home. The air conditioner was blown into "a jillion pieces". The back was blown off the television, a wall was cracked, part of the ceiling buckled and electrical outlets blown out of walls, but there were no flames. The building a large trench in the ground. Three members of the family were sleeping in the north end of the home and were unharmed. The lightning also struck the ground on another spot in the area and caused a leak in a major water supply line.
South Montgomery County	1	7:35a							Funnel Cloud
									Funnel cloud spotted by State Troopers in south Montgomery county.
10 miles south of Greenville, Butler County	1	8:30a			0	0	2	0	Wind
									Part of roof blown off a building.
Seale, Russell County	1	8:38a			0	0	3	0	Wind
									Heavy thunderstorm with strong winds. Three homes with roofs partially blown off.
Florence area, Lauderdale County	4	5:10p			0	0	2	0	Wind
									Trees downed by high winds.
Clements, Franklin County	4	6:25p			0	0	2	0	Wind
									Trees downed by high winds and power outage.
Elmore County	5	2:00a			0	1	2	0	Winds
									One woman was reported injured when high winds toppled a tree onto her tent at a campground near Lake Jordan.
<b>ALASKA</b>									
South Coast	9	1100 - 1200			0	0	0	0	Waterspout
									Several waterspouts were sighted over Eyak Lake near the Cordova City Airport. Several pilots in the area reported extreme turbulence.
<b>ARIZONA</b>									NONE REPORTED
<b>ARKANSAS</b>									
10 1/2 Miles West of Mena - Polk County	3	8:30 PM CST	4	100	0	0	5	0	Tornado
									A tornado touched down and moved northeastward. It destroyed a barn and two chicken houses. Tree and power line damage along with other minor structure damage was reported.
Madison County	3	8:10 PM CST to ?			0	0	6	0	High Winds
									Thunderstorm winds produced damage in many areas of the county. Damage to chicken houses and other outbuildings was noted in most of these areas along with other structural damage.
Waldron - Scott County	3	8:15 PM CST			0	0	5	0	High Winds
									Thunderstorms produced high winds which caused damage in Waldron and outlying areas. A mobile home was flipped over and numerous reports of roof and other structural damage were received.
Carroll County	3	8:30 PM CST to ?			0	0	5	0	High Winds
									Thunderstorm winds produced widespread damage in the county, particularly to chicken houses and small outbuildings.
Harrison - Boone County	3	9:20 PM CST			0	0	5	0	High Winds
									Thunderstorms produced winds up to 35 mph. Widespread damage was reported in the city, however most of the damage was minor.
Clarksville - Johnson County	19	11:15 PM CST			0	0	0	0	Hail
									Thunderstorms produced three-quarter inch hail. No damage was reported.
6 Miles East of Mena - Polk County	20	1:50 AM CST			0	0	0	0	Hail
									Thunderstorms produced one inch hail. No damage was reported.
Near Fort Lynn - Miller County	20	7:00 PM CST			0	0	0	0	Hail
									Thunderstorms produced golf ball sized hail. No damage was reported.
10 Miles South of Fort Smith - Sebastian County	22	7:00 PM CST							Funnel Cloud
									A funnel cloud was reported by the public. No movement was given.
6 Miles Southwest of Jasper - Newton County	22	7:10 PM CST							Funnel Cloud
									A funnel cloud moving east-northeastward was reported by the public.
<b>CALIFORNIA</b>									
<b>NORTHERN &amp; CENTRAL</b>									NO DATA RECEIVED
<b>CALIFORNIA</b>									
<b>SOUTHERN</b>									
Orange County	20	approx. 5:30 pm				3			Lightning
									Three (3) persons were injured by lightning on the Cypress College Campus, during a thunderstorm.
San Diego County	29	0100-0200 am.							unk Strong Winds
									Strong winds associated with a thunderstorm, blew down 13 utility poles near Ocotillo Wells, between Highway 78 and 86.

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<b>COLORADO</b>											
Northeastern areas	3	all day			0	0	0	0			Heavy snow
A snowstorm hit northeastern Colorado, dumping 6 to 12 inches of snow in the foothills west of Fort Collins and 4 to 8 inches on the northeastern plains from Fort Collins to Sterling and Akron. A few power outages and school closures were reported in the Sterling area. The largest moisture total noted was 1.85 inches at New Raymer in Weld county.											
Central and Northern Mountains	8	all day			0	0	0	0			Heavy snow
8 to 12 inches of snow fell in the Winter Park and Dillon areas, while the Aspen ski resorts were buried with 13 to 19 inches.											
Rio Grande County	19	aftn			0	0	4	0			High winds
Strong winds tore a sundeck from a house in Del Norte. Damage to the home was estimated at \$20,000.											
Northeast Colorado	20	1430-1730			0	0	4	0			Heavy rain, hail
Heavy thunderstorms hit several areas of Northeast Colorado. 3/4 inch hail fell in Lakewood, with up to one half inch of rain in a few minutes in northern sections of Denver. The storms then moved east, dumping up to 10 inches of small hail in Brush. Local flooding there caused minor damage to some homes. A microwave tower near Brush was knocked down by the storm. Farther east, 1 1/2 to 3 inches of rain fell in the Yuma area. Heavy rain was also reported in Weld County, with 1 inch in 25 minutes northeast of Greeley.											
Fort Collins area	21	2000-2100			0	0	2	0			High winds
Winds of 50 to 60 mph buffeted the area around Fort Collins, Greeley, and Loveland. Minor damage was reported southwest of Fort Collins.											
<b>CONNECTICUT</b>											
NO DATA RECEIVED											
<b>DELAWARE</b>											
Milton (nr)	10	Afternoon			0	0	2	0			Dust Devil
Apparent dust devil lifted a metal utility building 30 feet into the air and demolished it. A witness said it was quiet just before the sudden wind carried the building over a trailer, and dropped it 50 feet away. Damage estimated at near \$400.											
<b>FLORIDA</b>											
Orange Park, Clay County	1	5:15PM EST	3.0	20	0	0	4				Tornado.
A small tornado spotted by radar near Cecil Field moved rapidly through Orange Park toppling several giant oak trees, damaging houses, and took the roof off of a baseball field dugout. Hail the size of golf balls was observed. Total damage was estimated \$25,000.											
Martel, Marion County	15	4:00 - 4:15 PM EST	6.0	50	0	2	5	0			Tornado.
A tornado, first observed 4 miles north of Ocala, destroyed one mobile home and damaged several others. There were two minor injuries. Total damage was \$40,000. The same tornado eventually continued southwest to Martel with three barns destroyed and damage to several mobile homes near that town. Numerous signs and antennas were knocked down along the path of the tornado. Damage in this area was also estimated to be \$40,000.											
Levy and Citrus Counties	15	5:00 - 5:30 PM EST			0	0	4	0			Severe thunderstorm.
A line of severe thunderstorms moved southwest across Levy and Citrus Counties damaging several houses and numerous trees were reported down. The Island Hotel in Cedar Key reported some of the roof blown off. Golf ball size hail was also observed. Total damage was estimated to be \$25,000.											
<b>GEORGIA</b>											
Marion County	1	4:00 AM			0	1	3	0			Wind
Strong thunderstorm winds tipped the top from a mobile home 7 miles north of Buena Vista; one girl received a slight cut on the arm.											
Zmanuel County	1	5:00 AM			0	1	4	0			Wind
Strong thunderstorm winds demolished a mobile home near Summertown, causing minor injuries to a small boy. Several other mobile homes were also damaged by the winds.											
Sumter County	1	5:30 AM	1/2	40	0	0	5	0			Tornado
A small tornado touched down briefly 7 miles north of Americus. The tornado blew away the carport and front porch of a wood frame house, while also damaging the roof. Several grain bins were toppled, a grain elevator was demolished, and five peanut wagons were destroyed. Fifteen pecan trees were uprooted.											
<b>GEORGIA (continued)</b>											
Screven County	1	6:00 AM			0	0	4	0			Wind
Strong thunderstorm winds blew two mobile homes off their foundations, blew down several trees, and caused some roof and porch damage in Hiltonia.											
Gordon County	17	5:50 PM			0	0	0	0			Hail
Hail up to golfball-size fell near Calhoun.											
Fulton County	20	11:45 AM			1	2	4	0			Lightning, Wind
Thunderstorm winds blew tree limbs into power lines and lightning struck transformers, causing power outages for 1000 households in Atlanta. Lightning struck a tree, causing it to topple onto a sanitation truck, killing one man and injuring the two other occupants.											
Muscooke County	20	4:25 PM			0	0	3	0			Hail, wind
Thunderstorms dropped hail to golfball-size in Columbus and gusty winds blew over a tree onto a pickup truck.											
Madison County	23	5:30 PM			0	1	4	0			Wind
Thunderstorm winds hit a house trailer 5 miles north of Athens on US 29. The trailer was on blocks (not tied down) and the winds flipped it over, completely demolishing it. One occupant suffered minor injuries.											
<b>HAWAII</b>											
NO DATA RECEIVED											
<b>IDAHO</b>											
NO DATA RECEIVED											
<b>ILLINOIS</b>											
Carroll and McLean Counties	3	7:08 to 7:50am	?	?	0	0	0	0			Hail
Scattered thunderstorms produced large hail in localized areas of Carroll and McLean counties during the early morning hours. At 7:09 am 1-3/4 inch hail fell near Wacker in Carroll County and at 7:50 am 3/4 inch hail was observed at Pump Grove in McLean County. No damage was reported.											
Entire state	3-4	10:00 pm to 1:30am	?	?	0	7	6	4			Wind and hail
Very strong winds and large hail accompanied thunderstorms that moved across many areas of the state during the night. Winds as high as 80 knots caused wide-spread damage to buildings, cars, and out-buildings. At 8:40 pm a 62 knot gust was reported near Embanks in Adams County, at 9:30 pm a wind gust of 54 knots was recorded in DeKalb, DeKalb County, at 9:50 pm a 59 knot wind gust was recorded at Lacon in Marshall County, a 76 knot wind was reported at Woodstock in Macon County, at 11:23 pm a 71 knot gust was recorded again at DeKalb, a 51 knot wind was reported at Shiloh in St. Clair County at 11:32 pm, at 12:02 am, a 55 knot wind was recorded at Decatur in Macon County, at 12:40 am a 52 knot wind occurred in the Quad Cities area in Rock Island County, and at 1:30 am a 52 knot wind was reported in Carbondale, in Jackson County.											
Granite City, Madison County	3	10:55pm to 11:09pm	1 1/2	100	0	32	7	0			Tornado
The powerful winds broke many windows in a hotel in Moline, Rock Island County, injuring 7 persons and damaging parked cars. Garages were blown off their foundations and many buildings were damaged in the Moline area. A roof of a Northern Illinois University dormitory was torn off and 30 windows were broken by the wind. Building damage was rather severe in Champaign and Vermilion Counties. A 70 foot metal grain bin was blown over and destroyed in Gays, Moultrie County. Trees, homes and out-building damage also occurred in other areas in the southern part of the state. Hail as large as 1 inch in diameter was reported in Highland, Macon County at 11:20 pm. The strong winds and large hail damaged some crops and in some counties, winds blew the top soil off fields before the rains. At the airport near Aurora, Kane County, 10 planes were damaged by the wind.											
A tornado traveled 15 miles in a north northeast path that was intermittent. The tornado struck the eastern portion of Granite City in Madison County at about 10:55pm destroying 7 homes and damaging 24 others. A few mobile homes were destroyed in Granite City and about 20 more in the adjacent Portbon Beach. At one location, a pair of hand-hedge trimmers were lifted from a yard and driven into the top of a telephone pole. A closed garage nearby buckled out and was destroyed and a top of a tree was sheared off. A car overturned and another was completely turned around while being driven. The tornado then lifted and touched down 1 mile east of the intersection of I-27 and I-57 where 2 tractor trailers were overturned. It lifted again and traveled into Edwardsville. Many homes and business buildings were damaged or destroyed. A transformer was blown about 1/2 of a block and there were a number of cases where boards and limbs were driven through walls and windows. Pieces of linoleum were driven underneath the moulding that was over a vinyl roof of a car. The tornado then finally lifted for the last time on the north edge of town. There were 24 persons injured in Edwardsville.											

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<b>ILLINOIS (continued)</b>									
Milan, Rock Island County	05	12:30am to 12:45am	9	100	0	4	6	0	Tornado
									A tornado touched down 2 miles southwest of Milan and moved to the northeast edge of the Quad-City airport with heaviest damage in the vicinity of the airport to approximately 190 automobiles at the airport and at the nearby Holiday Inn. Seventy-seven homes and 6 garages were damaged in Milan. Windows were shattered and part of the roof of an airport cargo building was damaged. Windows were also shattered at the Holiday Inn. Power lines were downed and tree limbs were spread along the path of the tornado. The west entrance door of the Illinois Weather Service Office was blown open and office furniture was moved around by the wind.
Central and Eastern Sections	10	10:00am to 9:15pm	?	?	0	0	4	?	Hail and wind
									As thunderstorms moved over the northern half of the state, they produced large hail and strong winds that caused some property damage mainly in the central and eastern sections. The high winds damaged buildings and out-buildings and the hail broke windows. Paris, Edgar County, received rather severe damage from the powerful winds and giant hail. At 11:06 am, 1-3/4 inch hail was reported near Peoria in Peoria County. At 2:09 pm, 1-3/4 inch hail fell at the Peoria Airport and lasted 14 minutes damaging many parked cars. At 2:15 pm the size of the hail at this location was reported at 2 3/4 inches. Near Clifton Terrace in Champaign County 1-3/4 inch hail fell at 3:37 pm, at 3:55 pm, 1-3/4 inch hail was reported near Cisco in Platt County, at 4:22 pm 1-3/4 inch hail was observed at Hume in Edgar County, at Newman in Douglas County 2-3/4 inch hail fell at 4:43 pm, at 6:30 pm, 1 inch hail was reported near Pheasant in Stephenson County, and at 7:25 pm 1 inch hail was observed in Woodford County. A few areas reported crop damage.
Danville, Vermilion County	10	Afternoon			0	0	3	0	Lightning
									Lightning struck a brass ornament on top of a church steeple in Danville burning a 2-foot hole in the roof which caused a fire.
Entire State	13	11:30 am to 12 mid-night	?	?	0	0	6	?	Wind and Hail
									During the afternoon and continuing into the night, thunderstorms with high winds and large hail caused wide-spread damage. At 11:58 am, 3/4 of an inch hail fell near Sidney in Champaign County, at 2:00 pm 1-3/4 inch hail fell at Buffalo Prairie in Rock Island, at 2:30 pm, 3/4 of an inch of hail fell near Swanton in Mercer County, at 2:41 pm, 1-3/4 inch hail fell near Malvo in Hancock County, at 2:45 pm, 3 inch hail was reported at Orion in Henry County, at 3:05 pm, 1-1/2 inch hail was observed at Fenton in Whiteside County, at 3:49 pm, 2 inch hail fell at Sheffield in Bureau County, at 4:15 pm, 1 3/4 inch hail was observed at Princeton also in Bureau County, at 4:20 pm, 1 1/2 inch hail was reported at Lewiston, at 7:12 pm 3/4 of an inch hail occurred near Aledo in Mercer County, at 6:13 pm, 1-3/4 inch hail fell in Aledo, at 6:35 pm 1-3/4 inch hail fell in New Windsor in Mercer County, at 7:30 pm, 1-3/4 inch hail fell in Grant Park in Kankakee County, at 7:35 pm, 1-1/2 inch hail was observed near Burnett in Bureau County, at 7:40 pm, 3/4 of an inch hail was observed near Waverly in Morgan County, at 7:51 pm, 1-3/4 inch hail fell at Henry in Marshall County and at 9:49 pm, 1-3/4 inch hail fell at Greenville in Menard County. A 56 knot wind was reported at Waverly at 7:45 pm, at 9:40 pm a 52 knot wind was recorded at Monmouth in Warren County, at 10:10 pm a 52 knot gust was recorded near Waterloo in Monroe County, at 10:58 pm a 56 knot wind was reported near Croft in Menard County, at 11:35 pm, a 52 knot wind was recorded at Bellflower in McLean County, at 11:40 pm a 50 knot wind was recorded at Champaign in Champaign County, at 11:48 pm a 52 knot wind occurred in Potosi also in Champaign County, and also at 11:58 pm a 61 knot gust was recorded near Patmer City in DeWitt County.
									In Bureau County many cars, windows, and aluminum siding on homes and out-buildings were damaged by the very large hail. Strong winds uprooted trees and damaged buildings and out-buildings. A 45 foot tall windmill was blown over 3 miles south of Putnam, Putnam County. At Macksville Municipal Airport, Morgan County, 2 small planes were destroyed when the tie-downs broke due to the wind. A hangar door was blown in damaging another small plane. In Marshall County, a tall steel electrical tower was blown over into the Illinois River. Small hail fell in Princeton Bureau County for 5 minutes and covered the ground. Power failures were wide-spread.
<b>ILLINOIS (continued)</b>									
Lewiston, Fulton, Havana, Mason, Hartsburg, Logan, Wapella, DeWitt	13	4:35 pm to 5:43 pm	32	100	0	0	6	0	Tornado
									A tornado traveled along a 32 mile intermittent path with an initial touch down at Lewiston. It also touched down 1-3/4 miles north of Havana moving towards the east to southeast between San Jose and Natrona and touching down again at the intersections of Routes 29 and 136, overturning a semi-trailer and causing additional damage at Hartsburg to 2 miles south southeast of Hartsburg. At 3:43 pm a touch down was reported at the northern edge of Lincoln and a funnel was sighted at the southwest border of Atlanta. At the same time a funnel was reported 3 miles northwest of Clinton (Wapella) by Clinton Emergency Service personnel. An aerial survey confirmed the path from Lewiston to near Wapella.
Putnam, Putnam County	13	8:07 pm	0	0	0	0	4	0	Tornado
									A tornado briefly touched down 3 miles southwest of Putnam causing damage to farmland, destruction of an out-building and minor damage to the roof of a home.
Lexington, McLean County	13	8:30 pm	2	100	0	0	6	0	Tornado
									A tornado touched down 4 miles southeast of Lexington and traveled on the ground to 6 miles southeast of Lexington. Several out-buildings were destroyed, 2 cars and 7 pieces of machinery.
Lexington, McLean County and Kincaid, Christian County	13	8:30 pm			1	0	5	0	Lightning
									Two separate lightning bolts caused a fire and killed 1 person at different locations. Lightning struck a house 7 miles southeast of Lexington in McLean County at 8:30 pm causing a fire that destroyed a house. Also at 8:30 pm lightning struck an outside telephone line in Kincaid, Christian County. The lightning traveled along the wire into a home exploding the telephone and killed the person who was talking on it.
Galesburg, Knox County	13	9:50 pm	2.5	300	0	0	6	0	Winds
									Strong gusty winds were reported 8 miles south of Galesburg. Three 90 foot electrical power towers were destroyed and 2 large rolling doors on the side of a building were blown in.
Normal, McLean County	13	10:35 pm	2	50	0	0	0	0	Tornado
									In an open field just northeast of Normal a tornado traveled on the ground for 2 miles causing no damage.
Woodford County	13	11:10 pm to 10:30 pm	32	150	0	0	6	0	Tornado
									A tornado traveled on an intermittent east southeast 32 mile path in Woodford County. The first touchdown was between Goodfield and Carlock. It touched down 2 more times. Once 4 miles south of Lexington and the last time at the edge of Colfax. It pulled electrical power poles out of the ground. Barns, out-buildings, and homes were damaged.
Bloomington, McLean County	13	11:20 pm	0	50	0	0	4	0	Tornado
									A tornado touched down for a brief time 3 miles east of Bloomington (near Barnes) and damaged a house.
Southern sections	22	5:30 pm to 7:30 pm			0	0	5	0	Wind and rain
									Strong winds accompanying thunderstorms damaged a few homes, out-buildings, trees and caused power failures in the southwestern portions of the state during the evening hours. Madison County suffered the most damage. Heavy rain caused minor flooding.
Brighton, Macoupin, Alton and Fosterburg in Madison County	22	5:56 pm to 6:10 pm	7	50	0	0	3	0	Tornado
									A tornado was sighted by the Sheriff 8 miles north of Alton. A HAM Radio Operator observed a tornado touchdown at Godfrey, 2 miles north of Alton. Two funnels were also sighted east of Fosterburg. Damage to 2 homes was reported, power lines were downed and the streets of Fosterburg were flooded.
Southern sections	28	7:15 pm to 8:00 pm	?	?	0	0	3	?	Hail
									Hail fell in the southern part of the state during the evening causing minor damage to buildings, cars and crops. At 7:17 pm, 1-3/4 inch hail fell at Glen Carbon in Madison County, at 7:30 pm 1 inch hail fell at Saint Jacob, also in Madison County, and at 8:00 pm, 1-3/4 inch hail fell at Paris in Edgar County.

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<b>INDIANA</b>									
Lake County	4	230A	-	-	-	-	?	-	Winds
			Library wall blown out north of Route 30 and Route 55.						
Donaldson Marshall County	4	330A	-	-	-	-	?	-	Winds
			Picture window blown out of private home.						
Marion Grant County	4	AM	-	-	-	-	4	-	Winds
			Lumberyard shed damaged. Power outages reported. \$10,000 damage.						
Northeastern Indiana	4	-	-	-	-	-	-	-	Winds
			Localized damage due to high winds.						
Bloomington Monroe County	10	410P	-	-	0	0	0	0	Hail, winds
			2" hail, winds 40-50 knots.						
Tipton Tipton County	10	500P	-	-	0	0	0	0	Hail
			1/2" hail reported.						
Fairmount Southern Grant County	10	503P	-	-	0	0	0	0	Hail
			3/8" hail reported						
Terre Haute Vigo County	10	543P	-	-	0	0	0	0	Hail
			Hail dime to quarter size.						
Libertyville Vermillion County	10	558P	-	-	0	0	?	0	Wind
			Three mobile homes damaged. Trees down.						
Shirkieville Vigo County	10	600P	-	-	0	0	?	0	Funnel cloud and hail
			Marble size hail. Heavy damage to repair garage. Trees down. Power lines down.						
2 1/2-3 miles east of Libertyville on US 152 Vermillion County	10	600P	-	-	0	0	?	0	
			Barn roof blown off.						
Brazil Clay County	10	632P	-	-	-	-	?	?	Hail
			Marble-size hail.						
Rosedale Parke County	10	702P	-	-	0	0	?	?	Hail
			3/4" hail reported.						
3 miles east of South Whitley Whitley County	13	1015P	2	75	0	0	?	0	Tornado
			Two barns damaged.						
Argos Marshall County	13	1023P	0	0	0	0	0	0	Flooding
			Spotter reported some roads impassable. 3.7" of rain 7:00 - 10:23 PM and 4.5" later reported 7:00 - 10:50 PM						
3 miles south Milford Kosciusko County	13	1048P	0	0	0	0	0	0	Funnel cloud
Pierceton Kosciusko County	13	1115P	-	-	0	0	?	0	Thunderstorm, winds
			Trailer blown off blocks.						
Northern Wabash County	13	1115P	-	-	0	0	?	0	Thunderstorm, winds
			Numerous trees down, winds estimated near 60 mph.						
<b>INDIANA (continued)</b>									
Columbia City Whitley County	13	1120	-	-	0	0	?	-	Thunderstorm, winds, hail
			Trees down and minor structural damage. Hail 1/2" also reported.						
Near Freelandville Knox County	17	700P	0	0	0	0	?	0	Funnel, Wind
			Tool shed, barn, garage destroyed. Trees down and grain elevator damaged.						
1 mile west of Newburgh Warrick County	19	645P	0	0	0	0	?	0	Funnel, winds
			Seven homes damaged, two extensively. Public reported dark cloud overhead for about five seconds. Trees down, funnel cloud and noise reported in the same area.						
LaPorte County	28	1215P	0	0	0	0	?	0	Wind damage
			LaPorte County Sheriff reports that two mobile homes were destroyed at CR100 and CR150 by straightline winds.						
St. Joseph County	28	230P	-	-	-	-	-	-	Wall cloud
			Spotters reported sighting at SR2 and Highway 31 junction.						
Warsaw Kosciusko County	28	320P	0	0	0	0	0	0	55 mph wind
			Reported by Ligonier State Police Pbst.						
Grammer Bartholomew County	28	After-noon	-	-	0	0	?	0	Thunderstorm, winds
			Garage destroyed, trees down.						
Brookstown White County	28	330P	-	-	0	0	?	0	Thunderstorm, winds
			Attached garage destroyed.						
Southwest Boone County	28	630P	-	-	0	0	?	0	Thunderstorm, winds
			Numerous large trees down.						
Northwest Marion County	28	700P	?	?	0	0	4	0	Tornado
			Small tornado caused damage to one roof and destroyed a small plane at the Eagle Creek Airport.						
<b>IOWA</b>									
Carroll, Carroll County	3	3-310P	--	--	0	0	5	0	Hail
			Golf ball to baseball size hail damaged several automobiles and metal-sided homes. Many windows in homes and automobiles were broken.						
North Central Iowa	3	3-9P	--	--	0	0	5	0	Severe Thunderstorm, Wind, Hail
			Large area of severe thunderstorms moved through area. Winds of 60-70 MPH caused damage to farmsteads. Several reports of ping-pong size hail.						
Harrison County	3	325P	--	--	0	0	5	2	Damaging Winds and Hail
			1 1/2 inch hail fell around Dunlap and Logan, with only minor crop and property damage reported. Strong winds with the thunderstorms blew down a barn 8 miles south of Dunlap and damaged a concrete building west of Woodbine.						
Cass, Adair, Madison, and Union Counties Southwest Iowa	3	345-720P	--	--	0	0	4	4	Severe Thunderstorm, Wind, 3 Funnels sighted
			Winds of 60-80 MPH damaged several farm buildings. Funnels sighted vicinity of Fontanelle, 4 miles southwest of Creston, and just south of Macksburg. Strong winds propelled some tin from a machine shed on a farm 5 miles southwest of Creston into Creston. Large trees were uprooted.						
Pottawattamie and Mills Counties	3	610P	--	--	0	0	0	0	Hail
			1 1/2 inch hail fell briefly around Glenwood and south of Council Bluffs.						
9 SW Ogden, Boone County	3	640P	8	30	0	0	0	0	Tornado
			A weak tornado touched down in rural area causing no damage.						

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1981

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>IOWA (continued)</b>									
Warren, Marion, South-east Half Jasper, Poweshiek and Tama Counties	3	715-845P	--	--	1	0	6	0	Severe Thunderstorm Wind, 3 Funnels Aloft
A large area of severe thunderstorms which produced 3 funnel clouds aloft (recorded separately). Winds of 60-70 MPH caused considerable damage to many farmsteads. Many power lines were downed, trees toppled and uprooted. Strong wind near Sandyville in Warren County caused a small tree branch to strike a woman who was carrying a child. She dropped the child and he was fatally injured. A number of mobile homes were either tipped over or moved on their pads. Strong winds ripped one side off farm home 1/2 mile west of Lacona.									
Beech, Eastern Warren County	3	730P	--	--	0	0	0	0	Funnel Aloft
A funnel cloud observed near Beech moving northeast. Did not appear to touch ground.									
Pleasantville-Knoxville Marion County	3	730P	--	--	0	0	4	0	Funnel Aloft - Wind
Funnel aloft reported by Highway Patrol just north of Pleasantville. A major power outage occurred when electrical power wires were knocked down but Trooper said damage resulted from high winds not related to Funnel/Tornado.									
Norwalk, Warren County	3	753P	--	--	0	0	0	0	Funnel Aloft
A funnel cloud observed east of Norwalk. No ground contact.									
3 Miles East Corydon Wayne County	3	810P	--	--	0	0	0	0	Tornado
Brief touchdown in rural area reported by County Sheriff but caused no damage.									
3 Miles North Victor - 9 Miles West Marengo Iowa County	3	830P	7	80	0	0	5	0	Tornado
A small tornado caused heavy damage to 8 farms, blew away a garage and destroyed a barn. One mile of utility poles were knocked down along Highway 21.									
East Central Iowa	3-4	9P-1A	--	--	0	0	6	0	Severe Thunderstorm Wind
Strong winds caused extensive damage to many buildings, mostly farmsteads. Some livestock killed/injured.									
Extreme Southeast Iowa	4	11045P-1230A	--	--	0	0	5	0	Severe Thunderstorm and Wind
Strong winds uprooted large trees, blew over farm buildings, levelled a 60x60 foot brick and concrete building and shattered many windows.									
1 Mile South Crawfordville to Walcott Washington, Louisa, Muscatine and Scott Counties	4-5	1115P-1230A	Approx-50 to 100	50 to 100	0	0	5	0	Tornado
Mostly skipping. (Several livestock killed/injured.)									
5 Mile Southwest Dixon to 1 Mile North DeWitt to 3 Mile East Charlotte Scott and Clinton Counties	5	1230-1A	Approx-27	100	0	0	6	0	Tornado
Mostly skipping. Several barns and farm outbuildings destroyed or damaged.									
East Central Iowa and parts of NW Illinois	4-5	10P-1A	--	--	0	0	6	0	Thunderstorms
Widespread wind damage to trees and power lines and structures.									
3N Boone - Boone County	10	430-440P	--	--	0	0	2	0	Severe Thunderstorm
Golfball size hail dented some vehicles. Heavy rain reduced visibility to less than 25 feet.									
Polk City and Ankeny Polk County, and Norwalk, Warren County	10	445-530P	--	--	0	0	3	0	Severe Thunderstorm Hail
Hail 1 inch to 2 inches caused some damage to exposed metal surface.									
5 Mile South Des Moines -Carlisle, Warren County	10	530P	8	30	0	0	3	0	Tornado
Tornado sighted on ground by Ham Radio operator vicinity of Highway 65/69. Tornado skipped across rural area and touched down briefly in field near baseball diamond in Carlisle then lifted again over City of Carlisle. Carlisle Fire Chief observed funnel to be one mile long while over the City. Minor damage to outbuildings of farm south of Carlisle.									
1 Mile South Rhodes ENE to 4 Miles East Melbourne Marshall County	10	555P	9	500	0	9	6	0	Tornado
Tornado travelled along an intermittent path. 15 houses destroyed and 20 others damaged. 6 persons injured in residences and 3 others injured in vehicles on Highway 430 where 5 vehicles went out of control almost simultaneously and wound up in ditches.									
Floyd, Chickasaw and Fayette Counties in Northeast Iowa	10	555-658P	--	--	0	0	2	0	Severe Thunderstorm Hail
Large area of thunderstorms moved to the Southeast producing large hail and strong winds. 1 1/4 inch to golfball size hail fell at Charles City, Nashua, New Hampton and West Union. Wind of 40 to 50 MPH plus.									
1 1/2 Mile East Hartford, Warren County - East of Otley, Marion County	10	555P	16	?	0	0	4	0	Tornado
Tornado tracked across rural area. Utility wires and trees were downed. Transformers were knocked out. Winds of 60 MPH and heavy rains occurred in Marion County. Very heavy rain on a farm in the vicinity of Otley gushed into a hog house and killed 80 small pigs.									
4 Mile East Sully and Southern Newton, Jasper County	10	655P	--	--	0	0	0	0	Funnels Aloft
2 funnels observed aloft - No ground contact.									
Sumner, Bremer County	10	712P	3/4	100	0	0	6	0	Tornado
Tornado destroyed 2 houses and damaged 50 others. Downed power lines and trees. Gas lines were broken. Windows were blown out of the High School.									
<b>IOWA (continued)</b>									
Bedford, Taylor County	11	740P	6	50	0	2	6	0	Tornado
Tornado smashed into 8 farmsteads just South of town damaging farm-houses; hog confinement building, machine shed and grain bins. 3 houses damaged - one South of town, another in town and one East of town.									
Vicinity of Mount Ayr Ringgold County	11	Approx. 8:30P	--	--	0	0	0	0	Funnel Cloud
Funnel cloud observed along with very high winds.									
Vicinity of Cromwell and Kent, Union County	11	955-1010P	--	--	0	0	0	0	Funnel Clouds (a)
2 Funnel clouds observed - no ground contact.									
Page, Taylor, Ringgold and Decatur Counties	12-13	1105P-1215A	--	--	0	0	0	0	Hail
Golf ball size hail at various localities. No damage reported.									
Louisa/Muscatine Counties in Iowa, and Mercer, Rock Island and Henry Counties in Illinois	13	2-10P	--	--	0	0	6	0	Hail
Extensive hailstorms with stones up to baseball size. Most were walnut to golf ball size.									
Extreme Southeast Iowa	13	345-445P	--	--	0	0	3	0	Severe Thunderstorms and Wind
Strong winds blew a barn roof off and caused a semi-trailer truck to jack-knife.									
Extreme Northeast Iowa	13	430P	--	--	0	2	0	0	Lightning
Two high school girls were struck by lightning as they returned to school from a cancelled track meet at Jackson Junction Turkey Valley School at Jackson Junction. Both were hospitalized but recovered.									
<b>KANSAS</b>									
Barton, Russell, Rice Ellsworth, Lincoln, Mitchell, Cloud, and Ottawa Counties	3	All Day	--	--	0	0	4	0	Wind
High winds preceded a cold front across northcentral Kansas. A lumber storage shed in Russell sustained \$10,000 damage and a grain bin in Bunker Hill \$5,000 damage. In addition, minor damage to roofs and outbuildings was reported. Wind speeds reached 65 miles per hour before noon in Russell, 64 miles per hour around 1:00 p in Great Bend, and 62 miles per hour at 4:19 p in Concordia. Total damage estimated at \$25,000.									
Crawford County	3	4:30 - 5:30 p	--	--	0	0	4	0	Wind
Strong thunderstorm winds downed power lines, and blew out a large automobile showroom window in Girard. Estimated damage \$10,000.									
Wilsey, Morris County	3	Late Afternoon	--	--	0	0	4	0	Wind
Strong thunderstorm winds toppled a pole barn 1 mile west and 1/4 mile north of Wilsey. Damage estimate \$10,000.									
McFarland, Wabaunsee County	3	5:05 p	Short Narrow	0	0	3	0	0	Tornado
A tornado touched down briefly just northeast of McFarland. It lifted the roof off a barn and broke 3 power poles. Damage estimated at \$3,000.									
Troy, Doniphan County	3	6:00 p	1-3/4	35	0	0	5	0	Tornado
A tornado set down 4 miles east of Troy and moved northeast at about 30 miles per hour. It was on the ground just a few minutes, but destroyed 3 barns and several small outbuildings. Estimated damage \$100,000.									
Shawnee, Douglas, Jefferson, Johnson, Leavenworth, and Wyandotte Counties	3	6 - 10 p	--	--	1	5	0	0	Wind
Thunderstorms packing strong wind gusts crossed the listed counties. A 2 month old child received a large laceration when a window shattered in her Lawrence home. Winds were strongest in Topeka around 6:00 p (58 mile per hour wind at Municipal Airport), in Lawrence between 6:30 and 7:00 p, in Leavenworth from 8:30 to 9:00 p, and in the Kansas City area from 9:00 to 10:00 p. Most damage resulted from trees and limbs falling on houses and vehicles. A pie shed valued at \$6,000 was demolished and a few farm outbuildings were heavily damaged. Total damage estimated at \$100,000.									
Manhattan, Riley County	9	10:58 p	--	--	0	0	0	0	Hail
One inch hail fell on the northwest side of Manhattan. No damage.									
Denton, Doniphan County	13	3:55 p	--	--	0	0	0	0	Hail
A thunderstorm dropped 1-1/2 inch hail near Denton. No damage.									
Atchison County	13	5:30 - 6:30 p	--	--	0	0	4	4	Hail
A severe thunderstorm dropped hail locally as large as baseballs. The western portion of the county was hit hardest. In Muscotah nearly all the windows on the north side of buildings were broken. Windows were also knocked but in Effingham. A good deal of damage to vehicles and roofs was also reported. Estimated damage, \$20,000 property, \$5,000 crop.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1981

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					KILLED	INJURED	PROPERTY	CROPS	
<b>KANSAS (continued)</b>									
Eastern Wabaunsee, Shawnee, Southern Jefferson, Douglas, Johnson, Southern Leavenworth, and Wyandotte Counties	13	5:00 - 7:30 p			0	0	4	4	Tornado, Hail
A severe thunderstorm developed in eastern Wabaunsee County and moved east along the Kansas River Valley to the Kansas City area. A tornado touched down very briefly near Auburn in southwest Shawnee County at 5:35 p but caused no damage. Hail up to 2-1/2 inches fell over the bulk of the counties listed. Only minor roof and vehicle damage resulted. Property damage estimated at \$10,000, crop damage \$25,000.									
Winfield, Cowley County	13	8:30 p			0	0	0	0	Funnel
A funnel was sighted 14 miles southeast of Winfield. No damage.									
Cedar Vale, Cowley County	13	8:41 p and 9:12p			0	0	0	0	Funnels
Funnels were sighted 4 miles west of Cedar Vale at 8:41 p and 2 miles west of Cedar Vale at 9:12 p.									
Phillipsburg, Phillips County	18	1:30 p			0	1	0	0	Lightning
Lightning struck an oil rig and injured a man working 12 feet above ground. The man recovered with no permanent injuries.									
Coffeyville, Montgomery County	19	6:29 p			0	0	0	0	Hail
Heavy thunderstorms dropped golf ball size hail 3 miles east of Coffeyville. No damage reported.									
<u>SPECIAL HAIL SUMMARY</u>									
Kansas-Oklahoma Hail Loss Service reports indicate hail was especially damaging on the following dates in the counties listed.									
	13	Shawnee							
	19	Crawford							
	29	Neosho, Crawford							
<b>KENTUCKY</b>									
Henderson Cy	4	6AM CST					4		Thunderstorm
High winds blew down a house under construction at Roberts, Ky.									
Nelson Cy	10	2:30PM to 4:30PM EST					4		Thunderstorm
High winds blew down a barn in Bardstown, Ky. Hail the size of ice cubes was reported near Nazareth. Three horses were struck and killed by lightning on a farm in Bardstown.									
Clinton Cy	10	1PM EST					4		Thunderstorm
Golf ball sized hail was reported at the Buvally Valley Community. One roof was blown from a home in that community.									
Edmonson Cy	19	9PM EST					4		Thunderstorm
High winds blew over a trailer in the Bee Spring area. Nearby a portion of the roof and chimney were torn from a house.									
Webster Cy	19	8PM EST					4		Thunderstorm
High winds caused property damage in and around the Slaughter's area. Most of the damage was to trees, sheds and barns. One house lost its roof.									
Wayne Cy	14	2PM CST					4		Thunderstorm
High winds hit Betsy, Ky causing extensive damage to buildings and trees. Most of the damage was to barns.									
Hopkins, Muhlenberg, and Christian Cys	19	9PM to 20 1AM CST					5		Heavy Tstm
Flash flooding caused extensive damage over 3 counties. Four inches of rain fell at Central City in Muhlenberg Cy and 4 1/2 inches were measured at Madisonville in Hopkins Cy. Many cars were damaged by high water. The Coal Electric Service Co. in Central City was badly damaged. A mobile home in the same area was blown over.									
Grayson Cy	23	4:30AM CST				3	4		Thunderstorm
One mobile home was destroyed and one was damaged in Sadler. Three people in the mobile home were injured.									
<b>LOUISIANA</b>									
Desoto Parish Caddo Parish Bossier Parish Webster Parish	3	10-12AM			0	0	3	?	Wind Storm
Strong southerly winds preceding a cold front moving southeast through north Louisiana damaged roofs and toppled trees that damaged houses and knocked down power lines in Mansfield, Shreveport, Bossier City and Minden. Wind Gusts to 45 mph measured at Shreveport airport during mid-morning.									
West Baton Rouge Parish	21	6-7PM			0	0	3		Severe Thunderstorm
Severe thunderstorm winds at Port Allen over turned a trailer and destroyed a shed roof at a grain elevator.									
Calcasieu Parish St. Landry Parish Tensas Parish	23	10 AM to 2PM			0	0	3	?	Severe Thstrm Hail
A cold front accompanied by a line of severe thunderstorms moved southeast through east central and south Louisiana during the day; numerous trees were uprooted causing power line breaks. 10AM golf ball sized hail and 60 mph winds were reported at Sulphur and winds damaged several houses at 2pm in Opelousas.									
Claiborne Parish Webster Parish Jackson Parish Concordia Parish Jefferson Davis Parish St. Landry Parish St. John the Baptist Orleans Parish	30	10AM 10AM 11AM 2PM 3PM 3-4PM 4PM 4-6PM		0	20	0	0	4	? Severe thunderstorms Lightning Thunderstorms " " " " Tornado Severe Thunderstorm
At 10AM a severe thunderstorm in the northwest corner of the state developed a gust front that moved southeast across the whole state at about 40 mph. Winds were reported to be 40 to 60 mph at airport reporting stations. Monroe and Hodge: winds 60 mph lightning damage to power line generators trees down. Haynesville: metal awnings on a store front destroyed several trees down. Ferriday: lightning damaged a home. Opelousas: substantial damage to a home by tree blown down, power lines downed by fallen trees. Reserve: small tornado touched down briefly damaging 3 homes, an apartment garage, and several trees. New Orleans: Boat damaged in a marina, winds in excess of 50 mph, numerous trees and power lines damaged.									
<b>MAINE</b>									
Aroostook County	14	1-7pm			0	0	4	0	Wind
A vigorous cold frontal passage produced strong winds. Gusts to 60 mph at Limestone and to 59 mph at Caribou were recorded during the early afternoon. The winds tore shingles off roofs and siding off buildings. It also felled numerous trees and branches onto buildings, vehicles and power lines. Seven utility poles in a row were blown down in Hresque Isle. Power outages were widespread through Aroostook County but concentrated in the Caribou and Presque Isle area.									
<b>MARYLAND &amp; D.C.</b>									
Bowie	11	9:30 p			0	0	4	0	Lightning
Lightning apparently entered bedroom of home via the television set. No one was in the house and the resulting fire gutted the room and damaged two other rooms as well. The loss was figured at \$25,000.									
Western	14	Early			0	0	0	0	Rain
Heavy rain during the early morning hours caused streams to run near bankfull. The Monocacy River in Frederick County was reported to be spilling over its banks in some places. No damage was apparent.									
Frederick	15	2:30 p			2	0	4	0	Wind
Two construction workers were fatally injured when a section of a partially-completed townhouse unit collapsed. Northwestern winds were gusting between 20 and 30 mph in the general area at the time.									
<b>MASSACHUSETTS</b>									
NO DATA RECEIVED									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
<b>MICHIGAN</b>									
Area bounded by Leland, Grayling, Tawas City, Lapeer, Ypsilanti, and Coldwater	4	1a - 10a			1		5		Thunderstorms
									Man killed by falling tree near Skidway Lake in Ogemaw County. House trailer and small aircraft rolled over in Oceana County. Gusts 60-70mph along Lake Michigan, 50-60mph inland. Widespread minor building damage. Lightning-set fires in Leelanau and Calhoun counties. Small dam burst causing minor flooding in Grand Traverse County.
Area bounded by Grayling, Standish, Flint, Jackson, Kalamazoo, White Cloud, and Grayling	4	Noon - 6p			1		4		Thunderstorms
									Woman injured by falling tree in Cedar Springs. Minor damage to buildings throughout area. Gusts 50-60mph.
Decatur, Van Buren County	8	11p			1		4		Lightning
									Woman died in lightning-caused house fire.
Farmington Hills, Oakland County	11	1a					5		Lightning
									Apartment building burned.
Clinton and Ingham Counties	13	evening					5		Thunderstorms
									High wind knocked down building under construction at St. Johns. Heavy rain flooded streets and collapsed basement wall in East Lansing.
Warren, Macomb County	13	10.25p							Hail
									Hailstone 1 3/4"
1 NW Marshall, Calhoun County	17	7.25p	0.6	25			3		Tornado
									Witness observed rotating dust column. Billboard blown down. Radar observed severe thunderstorms in area.
Lake Superior off Au Train	19	afternoon			2		3		Wind and Waves
									Two fishermen lost. Damaged boat found on shore.
4 SE Jackson, Jackson County	28	12.45p							Hail
									Hailstones 1". Same thunderstorm complex produced lightning damage in Wexford, Berrien, and Lenawee counties, wind damage in Branch, Hillsdale, and Wayne counties and local flooding in Lenawee County.
<b>MINNESOTA</b>									
(Steele Co.)	3	7:28 am CST			0	0	0	0	Hail
									Gold ball size hail reported by the public.
Rochester (Olmsted Co.)	3	8:01 am CST			0	0	0	0	Hail
									3/4 inch hail reported 3 miles north of Rochester Airport.
Rochester (Olmsted Co.)	3	9:01 am CST			0	0	0	0	Hail
									2-1/2 inch hail reported in southeast portion of Rochester.
Spring Grove (Houston Co.)	3	5:36 pm CST			0	0	0	0	Hail
									3/4 inch hail reported by public in Spring Grove.
Rochester (Olmsted Co.)	3	6:23 pm CST			0	0	0	0	Wind
									60 mph wind recorded at the Rochester Weather Service Office at the Airport.
Adams and Taopi (S. Mower Co.)	10	4:35 pm CST			0	0	0	0	Hail
									3/4 inch hail reported by public in Adams and Taopi.
Janesville to Waseca (Waseca Co.)	27	11:45 pm CST			0	0	0	0	Hail
									3/4 inch to 1-1/2 inch hail fell in an area 1 mile wide and 12 miles long from Janesville to Waseca.
Between Hawley and Detroit Lakes (Becker Co.)	29	9:35 am CST			0	0	0	0	Funnel
									A funnel cloud was reported by Dept. of Natural Resources between Hawley and Detroit Lakes.
Clear Lake (Becker Co.)	29	12:14 pm CST			0	0	0	0	Funnel
									A funnel cloud was sighted by State Patrol near Clear Lake.

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					KILLED	INJURED	PROPERTY	CROPS	
<b>MINNESOTA (continued)</b>									
Big Lake (Sherburne Co.)	29	12:41 pm CST			0	0	0	0	Funnel
									A Minnesota Highway Patrolman reported a funnel cloud near Big Lake.
Chaska (Scott Co.)	29	12:42 pm CST			0	0	0	0	Hail
									Golf ball size hail was reported by the public near Chaska.
Shakopee (Scott Co.)	29	12:50 pm CST			0	0	0	0	Hail
									3/4 to 1 inch hail reported in Shakopee.
(Scott Co.)	29	1400 pm CST			0	0	5	0	Lightning
									Lightning struck and destroyed a barn in Scott County.
St. Paul (Ramsey Co.)	29	1440 pm CST			0	0	0	0	Wind
									76 mph wind was recorded in southern Ramsey Co.
Northfield (S. Dakota Co.)	29	1455 pm CST	1/2mi	200	0	0	5	0	Tornado
									A large area of heavy thunderstorms moving from the northwest to the southeast produced a tornado 4-1/2 miles east-northeast of Northfield. It blew out windows in a farmhouse, destroyed several barns as well as damaging farm equipment. The tornado was on the ground for several minutes and traveled one-half mile before receding into the cloud.
Pine Island (Olmsted Co.)	29	1455 pm CST	3	100	0	2	6	0	Tornado
									The same storm system produced another tornado 1-1/2 mile south of Pine Island in Olmsted Co. According to an observer, three funnel clouds joined together and touched down destroying two silos. The tornado stayed on the ground most of the three mile distance and was measured to be 100 yards wide. Several homes were destroyed, barns were demolished, outbuildings shattered and farm machinery was strewn about. There were no deaths, but two people were injured. Several farmers reported livestock killed. Damage was estimated at 2-1/2 million dollars.
Rochester (Olmsted Co.)	29	1515 pm CST			0	0	2	0	Wind
									Wind estimated at 65 mph in western Rochester blew down trees and signs.
Eyota (Olmsted Co.)	29	1528 pm CST	1/2	90	0	0	0	0	Tornado
									A tornado touched down briefly near Eyota. No damage was reported.
Stewartville (Olmsted Co.)	29	1530 pm CST	3/4	300	0	0	3	0	Tornado
									The County Sheriff reported a tornado in northern Stewartville. It was on the ground for 1/2 to 3/4 mile and was measured to be 300 yards wide. An implement dealer's pole barn was destroyed.
Wykoff (Fillmore Co.)	29	1620 pm CST			0	0	0	0	Funnel
									A funnel cloud was reported north of Wykoff.
Waseca (Waseca Co.)	30	1320 pm CST			0	0	0	0	Wind
									70 mph wind was reported in Waseca.
Rochester (Olmsted Co.)	30	1420 pm CST			0	0	0	0	Wind
									60 mph wind was recorded at the National Weather Service Office at Rochester.
<b>MISSISSIPPI</b>									
Lafayette Co.	16	615pm CST			0	0	0	0	Large Hail
									Golf ball size hail was reported at Harmontown in extreme northwest Lafayette County.
Harrison Co.	23	110pm CST			0	0	0	0	Funnel Cloud
									A funnel cloud was sighted near Henderson Point, which is between Bay St. Louis and Pass Christian on the Gulf Coast.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
MISSOURI East Dent County	3	9.55PM			0	0	3	0	Damaging Wind
		Wind damage and marble size hail at Salem. Various tree damage across county							
St. Charles County		10.20PM to 10.43			0	0	5	0	Wind Damage
		Damage reported to buildings in Ofallon, Park Charles and Wentzville Heights. Forecast office received winds to 67 knots.							
Washington County		10 PM			0	0	4	0	Damaging Wind
		Tree and mobile home damage							
Franklin County		10 PM			0	0	4	0	Damaging Wind
		Tree damage and sheds destroyed							
		More damage occurred at 1010 in Union where trees were uprooted and sheds destroyed.							
Washington and Franklin Counties		1035 PM			0	0	5	0	Damaging Wind
		Second storm caused structural damage to several homes.							
St. Louis County		10.45 PM to 11PM			0	1	6	0	Damaging Wind
		A line of fast moving thunderstorms mostly severe moved over the area with scattered damage throughout. The most significant damage was the Florissant area where where a number of roofs were blown off homes and where other structural damage was reported. Power lines and transformers were down. Plate glass was blown into portions of the airport terminal at Lambert Field. The tower was abandoned when the wind gusted to 78 knots (or 90 mph) The wind gusted to 72 knots at the observation site at Lambert. One minor injury was reported at Rockwell International.							
East	3								
Jefferson and Washington Counties St. Louis City		1040 to 11 PM			0	0	5	0	Damaging Wind
		Scattered damage to buildings, fences and trees.							
Jefferson County		1055 PM			0	0	4	0	Damaging Wind
		Second storm hit western portion of county. Several roofs blown off.							
Iron County		1130 PM			0	0	3	0	Damaging Wind
		Number of trees damaged throughout.							
Madison County	4	1205 AM			0	0	4	0	Damaging Wind
		Barn down and a number of trees damaged.							
St. Genevieve County		1210 AM			0	0	3	0	Damaging Wind
		Trees down in St. Genevieve.							
Dunklin County		306 AM			0	0	5	2	Damaging Wind
		Roof blown off house. Six aircraft damaged. Farm house damaged. Grain storage shed damaged and crops damaged. Funnell cloud was reported but storm survey by Lloyd Miller indicated only straight line winds.							
Dunklin and Pemiscott Counties		4-5 AM (Time approx)			0	0	3	0	Damaging Wind
		Barn blown down and a number of trees damaged.							
St. Louis City	8	942 PM			0	0	0	0	Large Hail
		Golf Ball size hail at Carondelet Park.							
St. Louis County		950 AM			0	0	0	0	Large Hail
		3/4 inch hail at Shrewsbury.							
Montgomery County	12	1030AM			0	0	0	0	Large Hail
		3/4 inch hail at Hermann.							
Franklin County	12	1030 AM to 11 AM			0	0	0	2	Large Hail
		Hail to 1 inch reported							
Franklin County	12	11 AM			0	0	1	2	Large Hail
		3 inch diameter hail reported 5 miles west of Union. Other reports of 2 1/2 inch hail at location between Labadie and Gray Summit.							
Jefferson County	12	1147 AM			0	0	3	0	Large Hail
		Baseball size hail at Pevely.							
Jefferson County	12	115C AM			0	0	1	0	Large Hail
		2 inch diameter hail at Crystal City.							
MISSOURI (continued)									
St. Francois	12	2 PM			0	0	0	0	Large Hail
		3/4 to 1 inch diameter hail.							
St. Louis County	17	1010 PM			0	0	1	0	Large Hail
		Golf Ball size hail near Wenton.							
Marian County	13	915 PM			0	0	4	0	Damaging Wind
		Power lines down and trailers blown around 4 miles south of Hannibal. 70 mph wind reported at Hannibal. Wind damage also reported at Palmyra.							
Pike County	13	615 PM			0	0	0	0	Large Hail
		Softball size hail reported.							
Ralls County	13	10 PM			0	0	1	0	Damaging Wind
		Trees damaged at New London.							
Dunklin, Stoddard and Mississippi Counties of the Bootheel	22	450 to 615 PM	70	400	2	32	7	2	Tornadoes (3)
		Tornado hits northern portion of Malden in Dunklin County destroying much of an industrial park and some homes. One restaurant destroyed except for the food walk-in cooler where some customers and employees were huddled. One death and 25 injuries were reported. The damage in Malden was estimated at 4.4 million dollars. The storm moved into East Prairie of Mississippi County. The tornado moved into East Prairie at 602 PM. One man died of a heart attack when the storm hit his house. 6 injuries were reported in East Prairie. The damage to East Prairie was estimated between 1 1/2 and 2 million dollars. The tornado was up and down between Malden and East Prairie. One confirmed touchdown was near Paria. Houses were destroyed in both Malden and East Prairie. 12 airplanes and a hangar were destroyed in Malden. According to Civil Defence authorities and newspaper accounts there was one cloud that moved through the area but 31 tornado vortex sightings were confirmed. The number of fatalities was probably held down because many people heard the warning by either radio or through police sirens and took shelter. Police and firemen helped get people to shelter ahead of this this storm.							
New Madrid County	22	456 PM			0	0	0	0	Large Hail
		Golf Ball size hail 4 north of Parma.							
Scott County	22	530 PM	1	100	0	0	1	0	Tornado
		Tornado briefly on the ground at point 4 miles Southwest of Cran.							
Scott County	22	542	1	100	0	0	1	0	Tornado
		A different tornado made a brief touchdown at Benton in northern portion of county.							
Jefferson County	22	554 PM	6	100	1	0	6	0	Tornado
		A small tornado touched down for a few seconds in the business area of DeSoto. Two brick buildings were destroyed. One man was killed in a Savings and Loan when the adjacent building fell through the roof. It touched down again 5 miles east.							
Scott County	22	702 PM	1	100	0	0	0	0	Tornado
		Brief touchdown at Commerce reported by Highway Patrol. No damage reported.							
St. Louis County	28	633 PM			0	0	0	0	Severe Tstm
		Wind gust to 50 knots at WSMO St. Louis.							
St. Louis County	28	710 PM			0	0	4	0	Damaging Wind
		Second severe thunderstorm produced wind damage to trees and downed power lines in Black Jack and near T270 at Dorset in northern St. Louis County.							
Jefferson County	29	532PM			0	0	0	0	Large Hail
		Golf Ball size hail at Steelville, Missouri.							
Central									
Monroe County	3	630 PM			0	0	3	0	Damaging Wind
		Roof blown off barn 6 miles south of Madison							

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					KILLED	INJURED	PROPERTY	CROPS	
MISSOURI (continued)									
Pettis County	3	637 PM			0	0	2	0	Damaging Wind
									Telephone poles down east of Sedalia.
Saline County	3	655 PM			0	0	0	0	Severe Tstm
									Wind gusts to 55 knots at KMMO in Marshall.
Boone County	3	708 PM			0	0	2	0	Damaging Wind
									Roof blown off barn in Sturgeon.
Pettis County	3	717 PM			0	0	1	0	Damaging Wind
									Several trees down south of Sedalia. This was probably a delayed report of storm right after 6 PM.
Boone County	3	728 PM			0	0	3	0	Damaging Wind
									Shed blown over and damage to trailer court in Columbia.
Miller County	3	745 PM			0	0	2	0	Damaging Wind
									Trees down across the road.
Audrain County	3	826 PM			0	0	3	0	Damaging Wind
									Damage to trees, transformers and wires. Most damage in Mexico.
Miller County	8	630 to 7 PM			0	0	5	0	Damaging Wind
									A pole barn destroyed, a large incinerator turned over, roof blown off just east of Osage Beach. Numerous tree limbs down.
Callaway County	8	7 to 730 PM			0	0	0	0	Large Hail
									Golf Ball size hail just north of Kingdom City.
Howard County	12	742 AM			0	0	0	0	Large Hail
									Softball size hail at Fayette.
Boone County	12	825 AM			0	0	3	0	Large Hail
									Golf Ball size hail just northeast of Columbia. Some damage reported to cars.
Montgomery County	12	1003 AM			0	0	0	0	Large Hail
Saline County	13	810 PM	30	200	0	0	5	0	Tornado
									A tornado touched down 7 1/2 miles south of Marshall and moved to vicinity of Fayette. Tree tops were taken and some roofs were taken off buildings.
Boone County	13	9 PM			0	0	5	0	Damaging Wind
									Very strong winds associated with a severe thunderstorm made a damage path 1/4 to 1/2 mile wide in a path length about 2 1/2 miles long. The damage was from about 5 miles north of Columbia. Large trees were blown over, sheds destroyed, a camper overturned and roofs damaged.
Linn County	13	710 PM			0	0	?	?	Large Hail
									Golf Ball size hail fell 3 miles west of Brookfield.
Linn County	13	725 PM			0	0	?	?	Large Hail
									The Highway Patrol reported 3 inch diameter hail at Brookfield, Missouri. No damage report was received.
Sheridan County	13	803 PM			0	0	0	0	Large Hail
									Golf Ball size hail reported at Brunswick.
Saline County	13	820 PM			0	0	0	0	High Winds
									KMMO Radio in Marshall reported winds gusting to 60 mph.
Saline County	13	827 PM			0	0	?	?	Large Hail
									Police in Marshall reported golf ball size hail probably associated with same severe thunderstorm that produced winds in above report.
Pettis County	13	832 PM			0	0	0	0	Funnel Cloud
									Funnel cloud reported by spotter network near Lamonte.
Randolph County	13	834 PM			0	0	4	0	Damaging Wind
									Barn destroyed and a number of trees down in Moberly. One tree demolished an automobile.
Pettis County	13	835 PM			0	0	?	?	High Winds
									Sedalia Civil Defense estimated wind speeds 70 to 80 mph at La Monte.
Boone County	13	932 PM			0	0	4	0	Damaging Wind
									A roof was damaged and several trees down in northeast portions of county.
Callaway County	13	934 PM			0	0	0	0	Funnel Cloud
									The public reported a funnel cloud 2 miles west of Fulton.
MISSOURI (continued)									
Montgomery County	13	950 PM	?	?	0	0	?	?	Tornado
									An unconfirmed tornado was reported by the Montgomery County sheriff 3 miles south of Wellsville. No other information was given on path length, width or damage.
Boone County	17	730 PM			0	0	?	?	Large Hail
									Golf ball size hail reported in southwestern Columbia.
Boone County	17	755 PM			0	0	?	?	Large Hail
									1 1/2 hail reported in western Boone County 2 1/2 miles south of Midway. One inch diameter hail reported on west side of Columbia.
Cooper County	17	830 PM			0	0	0	0	Large Hail
									Baseball size hail reported southwestern Columbia.
Pettis County	17	9-930 PM			0	0	4	0	Lightning
									Several fires reported in Sedalia because of lightning. Transformer was knocked out.
Western Missouri	10	550 PM			0	0	?	?	Large Hail
									Atchison County Golf ball size hail reported at Tarkio.
Nodaway County	10	646 PM			0	0	?	?	Large Hail
									Golf ball size hail reported 8 miles north of Maryville.
Atchison County	10	719 PM			0	0	3	0	Large Hail
									Cars damaged by hail in Tarkio and 4 to 5 inches of water on roads in low lying areas.
Jackson County	3	338 to 340 PM			0	0	3	0	Damaging Wind
									Local flooding in Fairfax. Highway 59 closed due to high water.
Gentry County	12	415 PM			0	0	?	?	Large Hail
									Golf ball size hail reported in McFall.
Holt County	13	220 PM			0	0	?	?	Large Hail
									Hail reported up to the size of baseballs. No report of damage.
Holt County	13	228 to 238 PM	3	100	0	0	?	?	Tornado
									Tornado reported on the ground from 1 mile south of Oregon to 2 miles east of Oregon. No additional reports and no report of any damage.
Andrew County	13	242 PM to 255	2	100	0	0	?	?	Tornado and Funnel Cloud
									A tornado was reported headed toward Fillmore and a funnel cloud was reported later at Fillmore. No damage reported.
Holt County	13	251 PM	1	100	0	0	3	0	Tornado
									A small tornado went through the southeast portion of Oregon with minor damage reported. This is believed to be a separate storm from the one listed but could possibly have been a delayed report.
Gentry County	13	330 PM			0	0	?	?	Large Hail
									Hail reported to the size of golf balls at King City.
Gentry County	13	358 PM			0	0	?	?	Large Hail
									Hail reported to the size of eggs 10 miles east of King City.
Davies County	13	418 PM			0	0	?	?	Large Hail
									Hail reported up to golf ball size at Pattonsburg.
Gentry County	13	639 PM	1	100	0	0	5	0	Tornado
									A tornado touched down 5 miles west of Gentry and destroyed several buildings and trees.
Ray County	13	734 PM			0	0	2	0	Damaging Wind
									Trees down near Orrick in southwest portion of the county.
Kansas City Vicinity	13	738 PM			0	0	?	?	Large Hail
									Hail stones reported up to one diameter at Raytown.

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					KILLED	INJURED	PROPERTY	CROPS	
<b>MISSOURI (continued)</b>									
Carroll County	13	7:45 PM			0	0	?	?	Large Hail
			Hail reported up to the size of golf balls.						
Southwest Portions									
Taney County	4	8:10 to 8:30 PM			0	0	5	0	Damaging Wind
			A severe thunderstorm produced major wind damage across the county with 15 homes damaged at Hollister and Kirbyville. A large shed was damaged and a mobile home overturned near Taneyville.						
Ozark County	4	8:30 to 8:45 PM			0	0	5	0	Damaging Wind
			Some buildings and barns damaged at and near Gainesville.						
Wright County	4	9 PM			0	0	3	0	Damaging Wind
			Large hay barn heavily damaged 6 miles northwest of Norwood.						
Jasper and Lawrence Counties	8				0	0	3	0	Hail
			Minor hail damage was reported but no size was given for the following locations and times. 5:30 PM...Joplin in Jasper County. 6 PM...Carthage in Jasper County. 8:25 PM...Miller in Lawrence County.						
Dade County	8	7:05 PM			0	0	0	0	Funnel Cloud
			The Highway Patrol reported a funnel cloud at Lockwood.						
Lawrence County	19	7:10 PM			0	0	2	0	Hail
			Minor hail damage at Marionville but no hail size given.						
Greene County	19	7:30 PM			0	0	3	0	Hail
			Minor hail damage reported at Springfield.						
Stone County	19	7:30 to 10 PM			0	0	3	0	Heavy Rain
			6 to 6 1/2 inches of rain fell in northern portion of the county and damaged some roads and fences.						
Greene County	28	4:50 to 5 pm			0	0	4	0	Damaging Wind
			Wind during a severe thunderstorm damaged a roof to a house and took a roof off a barn. Trees were blown down. All damage was about 3 miles southwest of Springfield. Considerable small hail was reported with this storm.						
<b>MONTANA</b>									
			NONE REPORTED						
<b>NEBRASKA</b>									
Pierce County	2	8:05 PM			0	0	3	0	Damaging Winds
			Thunderstorm wind gusts tore roof off a portion of a stock pavillion in Plainview. Some trees and power lines were damaged with other minor damage in the city.						
Seward County	3	1:00 PM			0	0	0	0	Hail
			One inch hail fell just south of Seward. No damage was reported.						
Clay, Fillmore, and York Counties	3	1:04 PM -1:40 PM			0	0	0	0	Hail
			One inch hail fell at Clay Center and McCord Junction. One and a half inch hail also occurred 6 miles east-southeast of York. No damage reported.						
Fillmore County	3	1:15 PM	5	50	0	0	?	?	Tornado (1,2,1)
			Tornado touched down near the Fairmont Air Base and moved northeast to just southwest of Exeter before lifting. Track was mostly open country and tornado was on the ground intermittently. No damage reported.						
Butler County	3	1:45 PM			0	0	?	?	Hail
			One inch hail driven by gusty winds in thunderstorms covered the ground at Ulysses. No damage reported.						
Seward County	3	2:00 PM	1/16	30	0	0	0	2	Tornado (1,-,1)
			Tornado touched down briefly 3 miles west and one mile south of Seward. Slight crop damage only.						
<b>NEBRASKA (continued)</b>									
Saunders County	3	2:10 PM			0	0	5	2	Damaging Winds and Hail
			Three quarter to 1 1/2 inch hail driven by strong thunderstorm winds fell around Malmo and Ashland. A number of homes and farm buildings suffered broken windows and dented siding west and north of Ashland near Memphis where hail drifted to 1 1/2 feet in ditches. A grain bin was toppled east of Cedar Bluffs.						
Dodge County	3	2:10 PM			0	0	6	2	Damaging Winds and Hail
			Thunderstorm winds gusting over 60 m.p.h. destroyed a metal warehouse 1 mile north of Fremont. The winds also blew out windows in several downtown Fremont buildings and flattened a shed and a house under construction on the northwest side of town. Some trees and power lines were down causing property damage to vehicles as they fell. Three quarter inch hail with the storm broke car windows.						
Lancaster County	3	2:15 PM	6	50	0	0	5	0	Tornado (2,2,1)
			Tornado touched down at intervals from Pawnee Lake thru First and McKelvie to N-80 north of Lincoln. A concrete building was destroyed at the McKelvie road location and a trailer home destroyed at Pawnee Lake. Besides some trees and power lines down, a roof was lifted off a barn and a semi overturned on I-80. Winds gusted to 56 m.p.h. at the Lincoln Airport.						
Cass County	3	2:30 PM			0	0	3	0	Damaging Wind
			A wind gust in thunderstorms destroyed a metal shed at Greenwood.						
Saline County	3	2:40 PM			0	0	0	2	Hail
			One inch hail fell just west of Crete causing minor crop damage.						
Douglas County	3	2:50 PM -3:15 PM			0	0	2	0	Hail
			Three quarter to one inch hail fell in the Omaha area at 264th and Q Street and at the Weather Office at 72nd and McKinley.						
Douglas County	3	3:55 PM			0	0	3	0	Hail
			One and a half inch hail fell in the Millard area of southwest Omaha and three quarter inch hail in west Omaha. Minor property damage.						
Seward County	3	4:05 PM			0	0	0	1	Hail
			Three quarter inch hail fell around Seward with only minor crop damage.						
Lancaster County	3	4:10 PM			0	0	0	0	Hail
			Three quarter inch hail fell around Roca with no damage reported.						
Seward County	3	5:20 PM			0	0	0	2	Hail
			Three quarter inch hail fell south of Seward with minor crop damage.						
Gage and Johnson Counties	3	5:30 PM			0	0	5	4	Damaging Winds
			High thunderstorm winds destroyed farm outbuildings and damaged some equipment around Adams and Sterling. The roof of the school gymnasium was destroyed at Sterling. Trees and power lines also damaged.						
Sarpy County	3	6:10 PM			0	0	1	0	Hail
			One inch hail fell briefly at Offutt Air Force Base.						
Thayer County	13	4:00 PM			0	0	6	6	Damaging Winds and Hail
			Damaging winds and 1 1/2 inch hail hit several farms between Bruning, Belvidere and Alexandria. Three barns, two grain bins and nine irrigation systems were severely damaged. Trees were uprooted at Dasher. Eight inches of hail covered the ground in Bruning. Crops damaged.						
Jefferson County	13	4:05 PM			0	0	6	5	Damaging Winds and Hail
			From east of Alexandria to Plymouth one inch hail occurred driven by 60 to 70 m.p.h. winds. Damage was reported to outbuildings, farm equipment, 7 irrigation systems were destroyed and several barns.						

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<b>NEBRASKA (continued)</b>									
Saline County	13	4:20 PM			0	0	5	5	Hail
									One inch hail driven by high winds damaged homes and farm buildings and emerging crops from Western thru Swanton.
Gage County	13	4:45 PM			0	0	3	2	Hail
									One inch hail fell 1/2 miles northwest of Beatrice breaking windows and causing some crop damage.
Johnson County	13	5:00 PM			0	0	6	5	Damaging Winds and Hail
									One and quarter inch hail driven by 60 m.p.h. winds broke windows, dented cars and caused crop damage in a west to east strip thru the central portion of the county.
Nemaha County	13	5:20 PM			0	0	6	6	Hail
									One and a half to 3 inch hail inflicted heavy property and crop damage in a 6 to 8 mile wide strip from the west county line west of Johnson east to the Missouri River. The hail shattered windows on the west and north sides of buildings. The hail driven by gusty winds, pounded roofs and cars and shredded emerging crops. Damage was most concentrated around and northeast of Auburn where a green house was heavily damaged. Hail drifted 3 feet deep.
Keith and Lincoln Counties	21	8:00 PM - 9:00 PM			0	0	0	0	Hail
									Three quarter inch hail was reported in eastern Keith County around Paxton and western Lincoln County around Sutherland.
Logan County	22	1:00 AM			0	0	4	0	Damaging Winds
									Thunderstorm wind gusts damaged a machine shed 1/2 miles north of Stapleton.
<b>NEVADA</b>									NONE REPORTED
<b>NEW HAMPSHIRE</b>									NONE REPORTED
<b>NEW JERSEY</b>									NONE REPORTED
<b>NEW MEXICO</b>									NONE REPORTED
<b>NEW YORK COASTAL</b>									NONE REPORTED
<b>NEW YORK CENTRAL</b>									NO DATA RECEIVED
<b>NEW YORK WESTERN</b>									NONE REPORTED
<b>NORTH CAROLINA</b>									
Central and Eastern North Carolina	30								Hail
									A severe thunderstorm moved south through central and eastern North Carolina with several reports of large hail.
									Ping Pong Ball Size Hail.
Chatham County	30	2:50 PM to 3:00 PM			0	0	?	?	Hail
									Dime Size Hail Siler City and 10 N. of Pittsboro
Wake County	30	3:20 PM to 3:50 PM			0	0	?	?	Hail
									Quarter to Golf Ball Size Hail across Southern Wake County.
Craven County	30	5:34 PM			0	0	?	?	Hail
									Golf Ball Size Hail Cove City and dime size Hail 10 west of Cove City in Jones Co.
Person and Granville Counties	30	5:20 PM to 5:55 PM			0	0	?	?	Hail
									A severe thunderstorm moved across Person and Granville Co. Golf ball size hail was reported in Roxboro in Person County and marble size hail in Oxford in Granville County.
<b>NORTH DAKOTA</b>									
Beach (Golden Valley County)	26	10 p CST			0	0	0	0	TSTM Winds
									Winds of 60 mph. No damage reported.
Taylor (Stark County)	28	5:50 p CST			0	0	0	0	TSTM Winds
									Winds of 65 mph. No damage reported.
Temvik 6W (Emmons County)	28	6:30 p CST			0	0	2	0	Tornado
									Tornado touched down momentarily destroying an old 16x24 foot two-story shed and hay.
Lignite (Burke County)	28	6:40 p CST			0	0	0	0	Hail
									Hail up to one inch in diameter. No damage reported.
<b>OHIO</b>									
Franklin County	4	1120AM			0	0	5	0	High Wind
									Thunderstorms moved across the county with damaging winds. A condominium complex that was under construction sustained \$100,000.00 damage. Also, several other buildings were unroofed and trees and utility lines downed. Small hail of 1/4 to 1/2 inch diameter also fell in the county.
Guernsey and Belmont Counties	11	130PM			0	0	4	0	Heavy Rains
									Thunderstorms dumped 2 to 2 1/2 inches of rain on these counties causing flash flooding of several creeks and streams. Several reports of cars floating down streams were made to the county sheriffs. More rain on Sunday, April 12, added to the flood problem and caused mud slides.
Franklin County	12	215PM			0	0	3	0	Hail, Heavy Rain
									A thunderstorm produced 3/4 to 1 inch diameter hail in the northern parts of the county. Also rainfall of 1 1/2 to 2 inches was reported in several areas of the county.
10 SE Zanesville, Muskingum County	12	454PM	2	40	0	0	5	0	Tornado
									A tornado moved through this small community damaging several businesses and homes and destroying several barns. Twenty to thirty head of cattle were killed but there were no human deaths or injuries as sirens were sounded just before the storm hit.
Wayne County	13	8PM			0	0	4	0	High Wind, Hail
									A thunderstorm with damaging winds and 1/2 to 3/4 inch hail moved through the county. Trees were downed and a farm complex in Wayne Township sustained considerable damage.
Elyria, Lorain County	13	10PM			0	1	2	0	Lightning
									Lightning struck and injured a 20 year old man while he was using a telephone in a telephone booth.
Stark, Coshocton, Tuscarawas, Guernsey, Belmont, Noble, and Monroe Counties	11-14				0	0	5	0	Heavy Rain
									Several thunderstorms crossed these counties with torrential rains. There was considerable urban and rural drainage flooding, small creeks and streams were out of their banks and mud slides occurred.
Butler County	17	558PM			0	0	3	0	Hail
									A thunderstorm moved through the county with heavy rain and 3/4 inch hail.
Lucas County	17	855PM			0	0	3	0	High Wind
									A thunderstorm moved through the county downing several tree limbs and utility lines. Winds of 58 mph were recorded at the Toledo Airport.
Fulton County 4 SW Toledo	17	920PM	1/4	30	0	0	3	0	Tornado
									A mini tornado was observed by the National Weather Service observer at the Toledo Airport. The storm touched down in a park 4 miles southwest of the airport where it damaged some trees.
Attica, Seneca County	17	10PM	1/4	35	0	0	4	0	Tornado
									A mini tornado touched down at County Road 12 and State Route 4. The storm damaged roofs and trees and took off 2 chimneys. An eyewitness saw the funnel touch down.

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<b>OHIO (continued)</b>									
Preble County	17	1045PM	-	-	0	0	3	0	Hail
A thunderstorm produced 3/4 inch hail in the southern part of the county.									
Lorain, Lorain County	17	11PM	-	-	0	0	4	0	High Winds, Lightning
A thunderstorm with high winds and frequent lightning crossed the county. The Lorain Coast Guard station recorded 60 knot winds as the storm passed. Several lightning strikes started fires.									
Shelby, Richland County	28	1PM	-	-	0	0	4	0	High Wind
A thunderstorm crossed the county with winds downing trees and utility lines. A cooperative observer measured winds at 60 mph.									
Rittman, Wayne County	28	110PM	-	-	0	2	5	0	High Wind
A thunderstorm with high winds ripped through a trailer park destroying eight mobile homes. A funnel cloud was spotted in the area but it did not touch down.									
Stark, Summit and Portage Counties	28	2-230PM	-	-	0	0	3	0	Hail, High Wind
A thunderstorm produced 1 inch hail and damaging winds in these counties. The large hail fell in all three counties. The wind damage occurred around 230PM and was confined to Portage County.									
Carroll and Jefferson Counties	28	245-345PM	-	-	0	0	4	0	High Wind, Hail
A thunderstorm with high winds and 1 inch hail moved through these counties. Several trees and utility lines were downed.									
Columbiana County	28	320PM	-	-	0	0	5	0	High Wind
A thunderstorm with high winds downed trees and utility lines and caused roof damage to several buildings in the southern part of the county.									
Fulton, Lucas and Wood Counties	28	430-515PM	-	-	0	3	5	0	High Wind, Hail
Thunderstorm with high winds and large hail passed through these counties. A mobile home park 5 miles west of Swanton in Fulton County sustained heavy damage and 3 mobile home residents were injured. Six mobile homes and 4 houses in the area were damaged. Several reports of golf ball sized hail were received from these counties.									
Henry County	28	437PM	-	-	0	0	5	0	High Wind
A thunderstorm with high winds downed several trees and utility lines and destroyed 4 barns.									
Van Wert County	28	450PM	-	-	0	0	4	0	High Wind
A thunderstorm with strong winds downed trees and utility lines and caused roof damage to several buildings.									
Wayne County	28	514PM	-	-	0	0	3	0	Hail
3/4 inch hail fell in scattered areas of the county as a thunderstorm moved through. Minor roof and window damage occurred.									
Allen and Mercer Counties	28	530PM	-	-	0	0	4	0	Hail
A thunderstorm moved through the county with heavy rain and 3/4 inch hail. Roof, siding and window damage occurred in many areas.									
Lorain and Huron Counties	28	545PM	-	-	0	1	4	0	High Wind, Lightning and Hail
A thunderstorm moved through the county with frequent lightning and strong winds. Several cooperative observers measured winds in excess of 60 mph. Trees and utility lines were downed in several areas with the heaviest damage in Willard and Apherst. Golf ball size hail fell in Wellington. An Elyria fireman was struck by lightning while he was standing in the fire station window watching the storm. The lightning probably struck a radiator near which he was standing.									
<b>OHIO (continued)</b>									
Springfield, Clark County	28	630PM	-	-	0	0	4	0	High Winds
Thunderstorm winds damaged mobile homes and downed trees and utility lines.									
Medina County	28	715PM	-	-	0	0	4	0	High Winds
Thunderstorm winds unroofed the Granger Township Fire Station and downed trees in the area.									
Summit, Wayne and Stark Counties	28	730PM	-	-	0	0	3	0	Hail
A thunderstorm crossed these counties producing 3/4 to 1 inch hail. Only minor damage occurred.									
Darke County	28	739PM	-	-	0	0	3	0	Hail
A thunderstorm crossed the county producing hail. Several storm spotters reported 1 inch hail.									
Mercer County	28	8PM	-	-	0	0	3	0	Hail
A thunderstorm produced 3/4 inch hail throughout the county.									
Auglaize County	28	830PM	-	-	0	0	4	0	High Wind
Thunderstorm winds downed several trees and utility lines and caused some roof damage.									
Miami County	28	902PM	-	-	0	0	4	0	High Wind, Lightning
A thunderstorm with strong winds and frequent lightning strikes crossed the county. Trees and utility lines were downed and roof damage occurred. Several lightning strikes started fires.									
Cincinnati, Hamilton County	29	116AM	-	-	0	0	4	0	High Wind
A thunderstorm moved through the city with high winds doing isolated damage. An apartment building was unroofed by what was reported to be a "wall of wind and rain."									
<b>OKLAHOMA</b>									
Oklahoma County	3	2 PM	-	-	0	0	5	?	Wind and Funnel
Seven small airplanes damaged at Will Rogers World Airport estimated \$150,000 damage. Also damage to roofs, trees, power lines, etc. A funnel cloud was sighted northeast of Norman.									
Le Flore County	3	8 PM	-	-	0	0	?	?	Wind
Le Flore County sheriff's department reported moderate damage in Pojoala and Poteau with roofs off several buildings, damage to trees and power lines, electrical service off about 3 hours and at least 3 trailer homes overturned.									
Boswell, Choctaw County	3	Evening	2	100	0	0	4	?	Tornado
Several small outbuildings, barns and a trailer house were damaged or destroyed.									
McAlester, Pittsburg County	3	Night	-	-	0	0	?	?	Wind
Wind damage to roofs, trees, power lines, etc.									
Southwest Oklahoma	11	Evening	?	?	0	0	?	?	Tornado, Funnel, and Hail
Coaling reports from Jackson, Kiowa, and Comanche Counties there were reports of ten to twelve funnels and/or tornados; along with numerous reports of hail in sizes ranging up to 5 1/2 inches. Exact estimate of damages unknown.									
Kiowa County	12	630 PM	1	Narrow	0	0	?	?	Tornado, Funnel, and Hail
A small tornado caused \$5,000 to \$6,000 damage to a farm house and barns 7 1/2 miles west of Roosevelt. Five funnels were also sighted in the area, with hail to softball size. Total damage estimate not available.									
Washita County	12	Evening	-	-	0	0	?	?	Wind
Wind damage was reported at Rocky Corn, Canute and Sentinel, exact estimates unavailable.									
Candian and Oklahoma Counties	12	Night	-	-	0	0	5	?	Wind
Wind damage was reported in El Reno, Yukon, Bethany, and Warr Acres. A \$50,000 sign at a motel was damaged, a greenhouse at a commercial nursery and many of the plants were destroyed, new cars on a dealers lot were damaged, there was also damage to roofs, trees, etc.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1981

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>OKLAHOMA (continued)</b>									
Tulsa, Tulsa County	19	810 PM	5	200	0	7	8	0	Tornado
		The tornado touched down near Yale and 66th Street moved east northeast through a residential area of expensive houses and then through an industrial park. Damage estimated between 75 and 100 million dollars.							
Kiefer, Creek County	19	820 PM	4 1/2	600	0	0	6	0	Tornado
		The tornado touched down about 3 miles west of town and moved east northeast to about 1 1/2 miles east northeast of Kiefer. The storm produced no fatalities or serious injuries and property damage was in the range of 3 million dollars.							
Mounds, Creek County	19	830 PM	3	100	0	0	6	0	Tornado
		The tornado touched down in a residential area of expensive houses in Quail Creek addition then moved on into an area of trailer houses. No fatalities or serious injuries were reported. Damage was in the range of \$60,000 with half that to one expensive private residence.							
Broken Arrow, Tulsa County	19	835 PM	1/2	Narrow	0	1	6	0	Tornado
		Most of the damage, approximately one half million dollars, was to a new car dealership. Also damage to an expensive private residence was near \$200,000. Total damage was near one million dollars.							
Bixby, Tulsa County	19	845 PM	12	1 1/2	5	49	6	0	Tornado
		The tornado touched down 1/2 miles south of Glenpool moved east or northeast then turned east southeast and passed through the Bixby Heights area south of the town of Bixby. All five deaths occurred in a mobile home park in the Bixby Heights area. The majority of the injuries occurred when the tornado struck a small church and the ceiling collapsed while evening services were in progress. The church and mobile home park were adjacent.							
Jefferson County	22	515 PM	20	Narrow	0	0	7	7	Tornado and Hail
		A small tornado touched down 5 miles northeast of Addington then moved southeast to 6 miles south of Ringling. The tornado was in open country and was reported from numerous locations with no reports of damage. Also golf-ball size hail fell 16 miles east of Mauraika.							
Jay, Delaware County	28	Afternoon			0	0	0	0	Funnel
Harmon County	28	Evening			0	0	7	7	Hail
		Heavy crop damages, no exact figures reported due to marble sized hail.							
Elk City, Beckham County	29	10 PM			0	0	7	7	Hail
		Baseball sized hail reported, no exact figures on damages.							
Pawhuska, Osage County	30	1230 AM			0	0	7	7	Hail
		Baseball sized hail piled up 6 to 7 inches deep near downtown, no exact figures on damages.							
Anadarko area, Caddo County	30	8 PM	30	Narrow	0	0	5	7	Tornado
		The tornado touched down near Gracemont and moved with an intermittent path south to Anadarko then southeast to near Rush Springs. Damage to a department store in Anadarko was estimated at near one quarter million dollars.							
Rush Springs, Grady County	30	815 PM	25	Narrow	1	4	5	7	Tornado and Hail
		The tornado touched down near Minco and moved south with an intermittent path to near Marlow. There was approximately one quarter million dollars damage to a warehouse in Chickasha. Near Rush Springs a four month old infant was killed and two adults injured when the tornado struck a mobile home. The storm also had baseball size hail causing considerable damage to roofs, trees, power lines, etc.							
<b>OREGON</b>									
Umatilla & Morrow Counties	51	Late AM	UNK	UNK	1	1	4+	UNK	Wind storm gusts to 61 mph at Pendleton. Fishing boat capsized on Columbia River killing one of two occupants. New store under construction blown down.
Nyssa, Malheur County	19	Evening	UNK	UNK	UNK	UNK	4+	UNK	Heavy rain. Crop and drainage canal damage.
<b>PACIFIC</b>									
NO DATA RECEIVED									
<b>PENNSYLVANIA</b>									
EASTERN									
Bethlehem	11	11:30 AM EST			0	0	3	0	Electrical
		Lightning struck a house blowing a hole in the roof and knocking off a section of the chimney.							
Lower Townships, Carbon County									
	29	6 to 7 PM EDT			0	0	4	0	Tornado FPP 102
		An eyewitness saw the cone-shaped or funnel-like cloud not reaching the ground, but considerable debris was flying in all directions underneath. It toppled a tree and demolished a pick-up truck along with a wooden shed behind it. It took a storage shed off the foundation and tossed it several hundred yards downwind. It took the roof off a chicken house then damaged an implement shed before landing on the other side. A steel hay wagon, half loaded with hay, was picked up and landed upside down 50 yards downwind. The slate roof was torn off a house, the chimney was blown over and a window was blown out. A tree fell over the corner of a house trailer and demolished a motorcycle. Several other trees were also blown over.							
<b>PENNSYLVANIA</b>									
WESTERN									
Beaver County	28	5 00 pm	0	0	0	0	?	?	Strong winds and hail
		Wind gust of 77 mph reported at Beaver Airport. Golf ball size hail reported just west of Beaver City.							
Butler County	28	5 07 pm	0.5	?	0	0	4	0	Funnel cloud/Wind
		An apparent funnel cloud passed over Buffalo Township in the southeast corner of Butler County. No injuries were reported. It moved over a trailer park where several trailers were lifted off their foundations and damaged. There was also an intermittent path of downed trees.							
<b>PUERTO RICO</b>									
NONE REPORTED									
<b>RHODE ISLAND</b>									
NO DATA RECEIVED									
<b>SOUTH CAROLINA</b>									
Spartanburg, Cherokee Union, Chester and York Counties	19	7-9 pm					5	3	Thunderstorm-wind hail and lightning
		An area of scattered thunderstorms moved across Spartanburg, Cherokee, Union, Chester and York counties. Downed trees caused power interruption in Spartanburg area and several other locations. Two mobile homes damaged in Spartanburg County. The greatest loss was at Chester Airport where twelve or more airplanes assembled for a Regional Meet were damaged or destroyed. Also at a nearby turkey farm some 300 turkeys were lost along with considerable property from wind and hail.							
Ern and Central SC Orangeburg, Union, Clarendon, Calhoun, Lexington, Dorchester and Beaufort counties	20	afternoon					3	2	Thunderstorm-wind, hail, lightning.
		An area of thunderstorms moved across eastern and central S.C. Only scattered damage to trees, utilities and roofs was reported.							
Jamison, Orangeburg County, South Carolina	20	4 PM	0.1	50	0	0	3	0	Tornado
		Small tornado touched down and damaged barn							
Gasden, Richland County, South Carolina	20	4:05 PM	0.1	50	0	0	3	0	Tornado
		Small tornado dipped down briefly damaging farm buildings.							
York and Lancaster counties	30	night					3	2	Thunderstorm & wind.
		minor damage to trees and utilities in extreme northcentral S.C. from an area of thunderstorms that moved into the state.							
<b>SOUTH DAKOTA</b>									
NO DATA RECEIVED									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS		
<b>TENNESSEE</b>												
Allred, Overton County	4	7:00 p.						4			High wind	
High winds tore the roof from a house. No one was home at the time.												
Knoxville Airport, Blount County	14	3:40 p.									High wind	
Winds with a thunderstorm gusted to 58 miles an hour at the McGhee Tyson Airport. No serious damage was reported.												
Morristown, Hamblen County	14	4:00 p.						4			High wind	
High winds with a thunderstorm demolished a garage at the Hamblen Memory Gardens. Three vehicles were damaged as well. The wind also downed power lines and took the roof from a barn in Russellville. Most wind damage occurred on the east side of Morristown and eastern Hamblen County.												
Palmyra, Montgomery County	16	3:15 p.						?	?		Hail	
Golf ball sized hail was reported in the town as a thunderstorm moved through the area.												
Selmer, McNairy County	17	12:15 a.									Hail	
Hail about one-half inch in diameter was reported in Selmer. Gusty winds were also observed with the hail, but no serious damage was reported.												
Lexington, Henderson County	17	1:00 a.									Hail	
Hail about three-quarters of an inch in diameter was reported.												
Near White House, Robertson County	17	7:10 a.	.4	50				4			Tornado, hail	
A small early morning tornado hopped across the Kelly farm destroying a farm building and uprooting several trees. One-half inch hail was also reported with the storm. An eyewitness reported seeing a funnel cloud with the storm.												
<b>TEXAS</b>												
<b>NORTHERN</b>												
Weatherford area, Parker County	3	4:30 p-5:20 p			0	0		4	0		Windstorm and Funnel Cloud	
Civil Defense spotters reported that straight-line thunderstorm winds overturned several trailers and damaged signs and trees in and near Weatherford. A funnel cloud was reported over Lake Weatherford at 5:20 PM.												
Southeastern Denton County	3	5:30 p-6:00 p	20	*3	0	1		6	0		Windstorm	
An intense thunderstorm "downburst" moved from southwest to northeast across southeastern Denton County. The strongest winds occurred in a band from south of Lewisville, through northern and western portions of the Colony, southern Eastvale, and then into Collin County. Winds measured to 103 MPH caused extensive roof damage to about 40 homes in the Colony. In Eastvale, several mobile homes and temporary buildings were devastated by the winds. One woman received minor injuries when she was trapped beneath the rubble of her mobile home. Rural damage continued in the areas north and east of the Colony and Eastvale. Total damage was estimated to have exceeded \$500,000.												
Northeastern Tarrant County	3	5:40 p-6:05 p			0	0		4	0		Windstorm	
Thunderstorm winds uprooted small trees and toppled antennas and powerlines in Hurst, Bedford, and Euless. One apartment roof was heavily damaged by water loading and/or winds in Euless. Winds of 60 MPH were officially clocked at the Dallas/Fort Worth Airport.												
Central and Southern Collin County	3	6:00 p-6:45 p	25	*3	0	0		6	0		Windstorm	
The intense Denton County windstorm entered Collin County, causing heavy damage along a line from Frisco, to McKinney, and northwest of Farmersville. Outbuildings were destroyed, roofs damaged, and trees uprooted along this track. Along Highway 5 in McKinney, several mobile homes were destroyed and permanent buildings were unroofed. At least two planes were heavily damaged at the McKinney Airport. One anemometer in McKinney clocked wind gusts of almost 120 MPH. Wind damage began to lessen northeast of Farmersville, after several barns were destroyed northwest of that town. Some minor sign and carport damage occurred in Plano, where amateur Radio Storm spotters reported winds of about 60 MPH.												
Dallas County	3	6:00 p-6:45 p			0	0		5	0		Windstorm	
Minor wind damage occurred across scattered portions of the northern 1/2 of Dallas County. The most substantial damage was in the Love Field area, where winds were officially recorded to 94 MPH at 6:20 PM. One hanger was destroyed and at least 12 light planes were flipped over and damaged by the winds. Several buildings were damaged in the same area. Some minor damage resulted from storm spotters estimated 80 MPH winds in the Garland area at 6:45 PM.												
<b>TEXAS (continued)</b>												
<b>NORTHERN</b>												
Fannin County	3	6:10 p-6:30 p						0	0	?	?	Windstorm
Winds up to 68 MPH downed trees and power lines in the Bonham area at 6:20 PM. Fifty to 60 MPH winds were reported 10 miles north of Honey Grove at 6:25 PM. Other wind damage to outbuildings and mobile homes occurred in the Trenton area about 6:10 PM.												
Mt. Vernon, Franklin County	3	Evening						0	0	?	?	Windstorm
Thunderstorm winds broke out glass store fronts at several locations in downtown Mt. Vernon.												
Gladewater, Gregg County	3	Aftn.						0	0	?	0	Winds
Strong winds blew a large tree across a line of cars at the Whispering Pines Country Club, causing extensive automobile damage.												
Stamford, Haskell County	13	9:55 p						0	0	?	?	Windstorm
Thunderstorm winds of 55 MPH resulted in unknown damage in the Stamford area. The winds were measured at a local radio station.												
Haskell, Haskell County	18	9:00 p						0	0	?	?	Windstorm
Several outbuildings were destroyed, telephone poles downed, and trees damaged by thunderstorm winds in the Haskell area.												
Central Concho County	20	2:56 p-3:30 p	?	?	0	0		?	?	?	?	Tornado and Hailstorm
A severe thunderstorm produced a tornado in open ranch country, about 18 miles east of San Angelo. That would have placed the tornado about midway between Eola and Paint Rock. A short time later, marble to golf ball size hail was reported by the DPS 5 miles south of Paint Rock.												
Extreme Southeastern McLennan County	20	4:30 p						0	0	?	?	Hailstorm
Hail to golf ball size fell in areas just northwest and southwest of Riesel. The storm moved slowly southwestward into Falls County.												
Falls County	20	5:00 p-5:30 p						0	0	?	?	Hailstorm
The McLennan County storm produced a swath of marble to occasional golf ball size hail from north of Marlin to near Lott. Damage was apparently negligible, as the larger stones were quite scattered.												
Hico, Hamilton County	20	6:00 p						0	0	?	?	Hailstorm
Hail to golf ball size covered the ground in the Hico area. Residents said that the hail damaged most small crops and gardens in the area.												
Harrison County	20	7:10 p-7:50 p						0	0	?	?	Hailstorms and 2 Funnel Clouds
A series of thunderstorms produced funnel clouds near Hallsville at 7:10 PM and 4 miles east of Hallsville at 7:50 PM. Golf ball size hail fell at Hallsville at 7:10 PM with 3/4 inch hail at Uncertain at 7:20 PM and 3 miles northwest of Hallsville at 7:40 PM.												
Possum Kingdom Lake area, Palo Pinto County	21	2:50 p	7	100	0	1		5	0	?	?	Tornado and Hailstorm
A small and relatively weak tornado caused over \$300,000 damage along the southeast side of Possum Kingdom Lake. Several witnesses reported seeing a small funnel cloud, alternatively lowering to and lifting from the ground. Six homes received substantial damage while about 12 others sustained minor damage. A cafe, scuba club, 2 airplanes, and a hanger were also damaged. One minor injury resulted from the tornado. The damage track was 5 miles long in the lake area, with additional light damage occurring further northeast from the lake. Marble to golf ball size hail fell along and several miles north of the tornado path.												
Nacogdoches, Nacogdoches County	21	4:15 p						0	1	?	?	Windstorm
Thunderstorm winds collapsed a car wash, resulting in minor injuries to one man.												
Northern Parker County	21	5:30 p-7:00 p						0	0	?	?	Hailstorm and Funnel Cloud
At 5:30 PM, a funnel cloud was reported by the DPS along the Parker/Palo Pinto County line west of Poolville. Marble to golf ball size hail fell across scattered sections of Northern Parker County with one inch hail reported by storm spotters in Springtown at 7 PM.												
Albany, Shackelford County	21	5:45 p						0	0	?	?	Hailstorm
Golf ball size hail fell at Albany at 5:45 PM. The extent of damage was not known.												
Jones County	21	6:10 p						0	0	?	?	Flash Flood
Several creeks in the Anson and Hamlin areas went out of their banks, causing minor flooding to roads and fields.												

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					KILLED	INJURED	PROPERTY	CROPS	
<b>TEXAS (continued)</b>									
<b>NORTHERN</b>									
Newark, Wise County	21	7:05 p			0	0	?	?	Hailstorm
					Hail to golf ball size was reported by Civil Defense spotters in the Newark area. Little or no damage resulted.				
Harleton, Harrison County	21	7:45 p			0	0	0	0	Hailstorm
					Three-quarter inch diameter hail was reported at Harleton.				
Decatur, Wise County	21	9:00 p			0	0	?	?	Hailstorm
					Civil Defense spotters reported golf ball hail as a second line of strong thunderstorms moved through Wise County.				
SN Stamford, Haskell County	22	4:35 p			0	0	0	0	Tornado
					Stamford Police reported that a tornado touched down briefly 3 miles north of town. No damage resulted from the tornado.				
2SW Bryson, Jack County	22	6:15 p			0	0	0	0	Funnel Cloud
					The funnel aloft was observed by Young County storm spotters.				
Graford area, Palo Pinto County	22	6:30 p-6:50 p			0	0	?	?	Wind and Hailstorm
					Sixty MPH winds and marble hail pumiled northern Palo Pinto County from near Possum Kingdom Lake eastward into the Graford area. Two inches of rain fell in 20 minutes at Graford. Numerous trees were uprooted, antennas demolished, and a county barn undroofed in the Graford area.				
Northern Parker County	22	7:30 p			0	0	?	?	Windstorm
					Strong thunderstorm winds destroyed outbuildings and uprooted trees between Whitt and Poolville.				
Southwestern Wise County	22	7:35 p			0	0	?	?	Hailstorm
					Storm spotters reported golf ball size hail in extreme southwest Wise County, several miles north of Poolville.				
Prisco, Collin County	28	Evening			0	0	?	?	Windstorm
					Thunderstorm winds destroyed part of a cotton gin and damaged several other buildings in the north side of Prisco.				
<b>TEXAS SOUTHERN</b>									
<b>NO DATA RECEIVED</b>									
<b>TEXAS WESTERN</b>									
Amarillo, Potter County	2	11:06p			0	0	0	0	Windstorm
					A strong thunderstorm produced a sudden gust of wind to 66 mph at the Weather Service Office in Amarillo. The wind decreased rapidly in speed and caused no known damage.				
Amarillo, Potter County	10	5:00p			0	0	0	0	Windstorm
					A strong thunderstorm produced a gust of wind to 60 mph at the Amarillo Weather Service Office. No damage was noted.				
Floyd County	10	6:45p			0	0	6	3	Hailstorm, Flash Flood
					A line of thunderstorms that remained nearly stationary for several hours over northern Floyd County produced nearly 8 inches of rain in the Lockney area. At 6:45 p.m. high water was reported over Highway 178 four miles north of Lockney -- washing railroad ties over the road. The highway at one point was completely covered with water -- both fields and ditches were running water. A school bus ran off the road near Aiken in the high water. All students and the driver were rescued safely.				
					At 7:33 p.m. softball-sized hail began falling in Floydada as the thunderstorms continued. Seven minutes later, golfball- to softball-sized hail was reported at Lockney and at 7:44 p.m. softball- to baseball-sized hail was reported at Floydada.				
					Major damage was reported to homes and vehicles in the Lockney to Floydada area. Most of the damage was confined to roofs and windows of buildings and to windows and bodies of automobiles. Due to the lack of planting in the fields, little agricultural damage occurred.				
Carey, Childress County	10	7:45p			0	0	3	0	Hailstorm
					Spotty golfball-sized hail was reported in Childress County near Carey by Department of Public Safety personnel. Most of the hail was pea to marble size and no significant damage was indicated.				
Amarillo, Potter County	13	4:30p			1	1	0	0	Lightning
					Two men were talking at a construction site as lightning struck. One man, standing on a pile of metal fence posts, was killed immediately. The second man, standing 6 to 8 feet away, was thrown several feet and knocked to the ground, but was not seriously injured. Despite attempts for nearly an hour to revive the victim, all efforts failed. The second man recovered from very minor injuries and was released from treatment.				

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					KILLED	INJURED	PROPERTY	CROPS	
<b>TEXAS (continued)</b>									
<b>WESTERN</b>									
Lubbock, Lubbock County	13	6:10p			0	0	2	0	Hailstorm
					A late afternoon thunderstorm produced spotty golfball-sized hail on the west side of the City of Lubbock. Most reports of hail indicated only pea to marble size. No damage occurred.				
Wall, Tom Green County	20	1:30p	1/2	40	0	0	0	0	Tornado
					A tornado formed in a cotton field near Wall. Heavy rain and small hail preceded the tornado. The tornado appeared first as a funnel, then slowly dropped down to the ground. For approximately 2 minutes it appeared as a thin column, some 40 yards wide, then began to contract slightly and tilt. After 3 minutes it appeared to break in the center with rotating debris visible on the ground and a condensation funnel visible in the air. Shortly afterwards, it disappeared. The tornado showed little motion, remaining in open country, and causing no damage to property or crops.				
3 East of Wall, Tom Green County	20	1:40p	2	20	0	0	0	0	Tornado
					A second tornado developed from the same thunderstorm complex 3 miles east of Wall. The second tornado was about 20 yards wide, appearing as a thin column. It moved eastward at an estimated 40 mph for nearly 5 minutes; then slowly lifted and disappeared. No damage occurred.				
14 West of San Angelo, Tom Green County	20	2:17p	short	narrow	0	0	0	0	Tornado
					The San Angelo Police Department reported a tornado on Paint Rock Road about 14 miles west of San Angelo. The tornado was small and short-lived; causing no known damage.				
Water Valley, Tom Green County	20	3:20p			0	0	0	0	Hailstorm
					Golfball-sized hail was reported in a severe thunderstorm by the public 8 miles southwest of Water Valley. The hail ended quickly as the storm moved to the east. No property or crop damage was reported.				
Water Valley, Tom Green County	20	4:45p			0	0	?	?	Hailstorm
					Another strong thunderstorm produced hail as large as baseballs, as reported by a motorist on Highway 87 just north of Water Valley. A Weather Service Observer reported one-inch hail from the same storm just north of San Angelo. The Police Department reported wind gusts estimated at 45 mph from the same storm.				
6 West of Crane, Crane County	21	2:08p			0	0	0	0	Funnel
					A funnel cloud was observed by Department of Public Safety personnel 6 miles west of Crane. No touchdown occurred. The funnel disappeared quickly back into the parent thunderstorm.				
Inandale, Scurry County	21	3:40p			0	0	0	0	Hailstorm
					An afternoon thunderstorm produced three-quarter to one-inch hail near Inandale along with 2.25 inches of rain in a one-hour period. Some localized flooding of low lying areas occurred. No other problems or damage were noted.				
Fort Stockton, Pecos County	22	2:00p			0	0	5	5	Hailstorm
					High thunderstorm winds, gusting to 60 mph, broke as many as 100 windows in vehicles in Fort Stockton. Mobile homes were blown over and light standards were blown down. Also, signs were shattered, and tree limbs and pieces of tin roofing littered the streets. Over an inch of rain fell in less than one hour from the thunderstorm. Prior crops near Coyasosa (to the north) suffered minor damage in small hail from the same storm.				
Crane and Upton Counties	22	3:15p	1	30	0	0	5	4	Tornado, Hailstorm
					A tornado was reported 10 miles south of Crane by the public. The tornado blew down fences and took roofs off small barns. No injuries were reported. The thunderstorm that spawned the tornado crossed into Upton County near 3:30 p.m. producing damaging winds that sheared the tops off 5-inch diameter peach trees 15 miles northwest of Bankin. Outbuildings were damaged and 1-inch diameter hail was reported along with 1.75 inches of rain in the storm.				
Yoakum County	27	7:45p			0	0	5	3	Hailstorm, Funnel
					A strong thunderstorm developed in West Central Yoakum County shortly after 7:30 p.m. moving very slowly to the east-northeast. It passed over Plains at 7:50 p.m. producing golfball-sized hail and strong winds in the north and east portions of the City. Extensive damage was reported to car and camper bodies as well as hoods and windows. As the storm departed the northeast corner of the City, a cluster of small funnels was observed. The funnels were short lived. Another cluster was reported in the same storms near the Terry County Line at 8:30 p.m. by the Terry County Civil Defense.				
5 East of Post, Garza County	28	3:20p			0	0	4	0	Hailstorm
					Marble- to golfball-sized hail was reported by the Post Police Department 5 miles southeast of Post along Highway 380. A Storm Chase Team, from Texas Tech University, that was following the storm later reported that the hail cracked the windshield of their car and that winds estimated at near 60 miles an hour rocked the car violently for a brief time.				



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1981

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>TEXAS (continued)</b>											
<b>WESTERN</b>											
15 West of Denver City Yoakum County	28	7:30p			0	0	4	6			Hailstorm
			A thunderstorm produced heavy rain and hail slightly larger than golfball size according to Denver City Civil Defense personnel. Much of the wheat in the area was flooded, as water stood as much as a foot deep in some fields. Hail from the storm damaged automobile windows, windshields and bodies. Crops also received minor damage from the hail.								
Fort Davis, Jeff Davis County	29	5:45p			0	0	4	0			Hailstorm, Flood
			Two to 2.5 inch hail was reported in a strong thunderstorm from 5 miles north of Fort Davis to 8 miles northeast of Fort Davis. Between \$1,000 and \$1,500 damage was reported to a greenhouse in the hail area. Windows were broken at a ranch house. Considerable damage was also reported to automobile windshields. Nearly three-quarters of an inch of rain fell, causing Olympia Creek to rise several feet; damaging a small bridge.								
<b>UTAH</b>											
			NONE REPORTED								
<b>VERMONT</b>											
			NO DATA RECEIVED								
<b>VIRGINIA</b>											
Fairfax County	28	4:30 p			0	0	0	0			Hail, Wind
			Hail up to an inch in diameter covered the ground, and winds gusted to around 40 mph. No damage of significance was apparently associated with this thunderstorm activity.								
<b>VIRGIN ISLANDS</b>											
			NONE REPORTED								
<b>WASHINGTON</b>											
			NONE REPORTED								
<b>WEST VIRGINIA</b>											
Ohio, Brooke and Marshall counties	17	evening			0	0	5	2			Flooding
			Heavy thunderstorms over the Northern Panhandle dumped torrential downpours on already saturated ground during the late afternoon and evening. Many small streams overflowed, blocking roads and flooding basements. Several mud and rock slides also closed roads.								
Wirt county	17	5:30 pm			0	9	4	0			Thunderstorm Winds
			A severe thunderstorm struck 4 miles north of Elizabeth, totally destroying a mobile home. Nine persons were in the trailer as it was lifted then dropped about 50 yards away. Also receiving minor damage were two nearby houses and a utility shed.								
Cabell county	17	5:30 - 6:00 pm			0	1	5	0			Thunderstorm Winds
			Strong thunderstorms ripped through the city of Huntington inflicting damage to several businesses. The storm demolished a warehouse of a roofing company. The roofs of a doughnut shop, car dealer and nightclub were damaged as well as several private homes. Numerous trees were uprooted with power losses throughout the area.								
<b>WISCONSIN</b>											
South and East Wisconsin	03- 04	2100 0040			0	0	6	3			Wind, Rain, Hail, Electrical
			Severe thunderstorms produced damaging winds and hail, heavy rain and numerous lightning strikes across a large section of the state. 2-3 1/2 inches of rain caused flash-flooding on Webster and Bear Creeks in Vernon County. The Kickapoo River flooded low areas in Gays Mills in Crawford County. Mud slides closed 7 roads in both counties. Counties reporting 40-70 mph winds and widespread damage to rural structures include: Iowa (\$80,000); Columbia (\$250,000); Dodge (\$600,000); Sheboygan (\$70,000); Winnebago (\$90,000); Brown (\$70,000); Jefferson (\$120,000); Monroe (\$75,000); Calumet (\$120,000); Fond du Lac (\$90,000); Outagamie (\$120,000). Dane County was especially hard hit, with 16 buildings extensively damaged in Madison and vicinity. 3500 power outages in Monona, Middleton, and Sun Prairie, and 80 farms extensively damaged. Dane County damages were placed at \$1,450,000. Three tornadoes (listed below) also occurred in association with these thunderstorms; and wind and lightning (also listed below) caused an additional death and 2 injuries.								
Hartford, Washington County	03	2253			0	2	?	0			Wind
			High thunderstorm winds blew a motorcycle into the path of an oncoming automobile.								
<b>WISCONSIN (continued)</b>											
Cottage Grove Township, Dane Co.	03	2300			1	0	4	0			Lightning
			Fire, started by lightning, destroyed a house and claimed one life.								
Browns Corners, 4S Theresa, Dodge Co.	03	2330	?	?	0	0	4	0			Tornado
			6 buildings were damaged by a small tornado. Automobile windows exploded in several parked cars in the tornado's path.								
West Bend, Washington County	04	0004- 0008	1.8	330	3	53	7	0			Tornado
			An extremely rare clockwise-rotating tornado tore through West Bend. It first touched down at St. Mary's School, then moved northeast at about 30 mph and lifted after 1.8 miles. The path width grew from 100 feet at its inception to 1000 feet near the end of its path. Dr. T. Fujita of the University of Chicago confirmed the clockwise rotation and estimated the tornado's winds at 225 mph. Damage amounted to \$12,900,000.								
Country Aire Trailer Court, 4W Kiel, Southeastern Calumet County	04	0035	.1	25	0	6	5	0			Tornado
			A brief tornado touchdown destroyed six trailers in a line in the Country Aire Trailer Court. One trailer was lifted into the air and deposited upside-down.								
<b>WYOMING</b>											
Platte County	20	2:00p	?	?	0	0	?	0			Tornado
			A tornado touched down 5 miles north of Wheatland								
Crook County	20	?	?	?	?	?	?	0			Wind
			High winds pushed a trailer house over. This occurred about 3 miles east of Sundance. The trailer house was being transported by truck.								
Platte County	21	?	?	?	?	?	?	0			Wind
			High winds blew over a truck transporting a double wide mobile home just south of Wheatland.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>THE FOLLOWING ARE LATE REPORTS, CORRECTIONS, AND DELETIONS:</b>									
<b>LATE REPORTS</b>					<b>LATE REPORTS</b>				
<b>MISSOURI</b>					<b>TEXAS (continued)</b>				
NONE REPORTED					NORTHERN				
NONE REPORTED					Cooke County				
NONE REPORTED					Tarrant County				
NONE REPORTED					Grayson County				
NONE REPORTED					Collin County				
NONE REPORTED					Bonham, Fannin County				
NONE REPORTED					Iredell, Bosque County				
NONE REPORTED					Bowie County				
NONE REPORTED					10 NE Atlanta, Cass County				
NONE REPORTED					4 ESE Cleburne, Johnson County				
NONE REPORTED					Elm Mott, McLernan County				
NONE REPORTED					Texarkana, Bowie County				
NONE REPORTED					VIRGIN ISLANDS				
NONE REPORTED					CORRECTIONS				
NONE REPORTED					LOUISIANA				
NONE REPORTED					Lincoln Parish				
NONE REPORTED					Ouachita Parish				
NONE REPORTED					Franklin Parish				
NONE REPORTED					Madison Parish				

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

O Includes crop damage.  
C Crop damage.  
\* Miles instead of yards.  
\*\* Yards instead of miles.  
† Storm damages are placed in categories varying from 1 to 9 as follows:  
1 Less than \$50  
2 \$50 to \$500  
3 \$500 to \$5,000  
4 \$5,000 to \$50,000  
5 \$50,000 to \$500,000  
6 \$500,000 to \$5 Million  
7 \$5 Million to \$50 Million  
8 \$50 Million to \$500 Million  
9 \$500 Million to \$5 Billion

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

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