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STORM DATA



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Daniel B. Mitchell

DIRECTOR
NATIONAL CLIMATIC CENTER

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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

ENVIRONMENTAL DATA AND
INFORMATION SERVICE

NATIONAL CLIMATIC CENTER
ASHEVILLE, N.C.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 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	
ALABAMA Mobile, Mobile County	5	Evening			0	0	7	0	Flash Flood
									The worst flash flooding in Mobile's history occurred during the evening of May 5th. Rainfall amounts of 8 to 16 inches triggered the flooding. The National Weather Service recorded 8 inches of rain at the airport, three rain gauges, owned by the City of Mobile, exceeded their 12 inches measuring capacity and an unofficial report of 16.01 inches was received from the Spring Hill area, about 8 miles east of the airport. Amounts decreased to about 2 inches at Fairhope, Al, just across Mobile Bay.
									No deaths were attributed to the flooding that crested at the eaves of roofs on some houses along Three Mile Creek. Damage was estimated at \$31,657,745 of which \$28,669,000 was to private property. More than 1500 homes and numerous business establishments were affected.
North Alabama	18	5:10p-6:50p			0	0	5	0	Wind/Lightning
									Scattered wind and lightning damage occurred over several North Alabama counties as a band of thunderstorms moved through. Most of the damage was to trees and electrical power distribution systems, but several buildings were also damaged.
									The main damage was from parts of Morgan and Cullman counties, through Marshall into Jackson and DeKalb. Hardest hit appeared to be the Chadwick area in DeKalb County where damage to homes, barns and chicken houses was estimated at \$35,000. Nine airplanes were damaged at the Ft. Payne airport including two with major damage. At Arab, in Marshall County, a home burned to the ground after being struck by lightning. Marble size hail covered the ground around Vinemont and Jones Chapel in Cullman County. Total damage was estimated at about \$100,000.
Guntersville area, Marshall County	18	6:10p	0.11	15	0	0	4	0	Tornado
									Brief tornado touchdown peeled the tin roof off a motorcycle repair shop. Eye witnesses saw funnel approaching over open field west of building and reported that it remained mostly aloft. Witnesses were also quoted as reporting that "it came roaring in making a noise like a freight train".
Cullman and Walker Counties	18	11:40p			0	0	3	0	Wind/Lightning
									Strong winds and small hail reported in southwest Cullman County. Wind and lightning damage to trees and power lines in Jasper.
Mon Louis Island area, Mobile County	24	11:00a			0	0	0	0	Waterspout
									Two waterspouts reported by Coast Guard near Mon Louis Island near Dauphin Island bridge moving northeasterly.
Albertville, Boaz areas, Marshall County	31	12:00p			0	0	4	0	Wind/Lightning/Rain
									Wind, lightning and heavy rain associated with a band of thunderstorms produced tree, utility lines and street damage in the area. Minor fire damage occurred to one home following a lightning strike but most of the damage was to trees, TV antennas and utility lines from a combination of wind and lightning. Heavy rain caused parts of an Albertville street to collapse and one woman was trapped in her car due to street flooding.
ALASKA									NONE REPORTED
ARIZONA Hayden & Winkelman (Gila County) Dudleyville (Pinal County)	1	238-300 pm			0	0	6	0	THUNDERSTORM Winds & Flooding
									A severe thunderstorm with winds measured at 100 mph and torrents of rain and hail hit this small tri-city area. Roofs were ripped off homes, schools and commercial buildings. Mobile homes were severely damaged. Power lines, signs and trees were blown down. Twenty-seven homes sustained wind damage. A dike broke at Dudleyville sending a four foot wall of water, mud and rocks into a residential section damaging 14 homes, 4 with major damage. Fifty people had to be evacuated. Total damage, wind and flooding was put at \$1,000,000.
Payson (Gila County)	28	945 am			0	0	3	3	THUNDERSTORM Hail
									Hail 1/4 to 1/2 inch diameter covered the ground to a depth of 2 inches. Minor damage to roofs and heavy damage to vegetable gardens.
Winslow (Navajo County)	28	100-200 pm			0	0	3	0	THUNDERSTORM Hail
									Hail 1/4 to 1/2 inch diameter covered the ground to a depth of 1 to 2 inches. Minor damage to roofs.
ARIZONA (continued) Greez (Apache County)	29	100-200 pm			0	0	3	0	THUNDERSTORM Hail
									Hail 1/4 to 1/2 inch diameter covered the ground to a depth of 1 to 2 inches. Minor damage to roofs.
ARKANSAS Near Opello - Conway County	9	12:30 AM CDT			0	0	4	0	Lightning
									Lightning caused a fire which heavily damaged a residence. Damage was estimated at 20 thousand dollars.
Near Crosssett - Ashley County	9	7:45 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
Springdale - Washington County	13	4:00 AM CDT			0	0	7	?	Hail
									Thunderstorms produced hail up to the size of baseballs. Considerable roof, window, and auto damage was reported. Over 60 airplanes sustained damage at the local airport. The grape, peach, and apple crops also were damaged. Damage was estimated at several million dollars.
Huntsville - Madison County	13	4:40 AM CDT			0	0	6	0	Hail/Funnel Cloud
									Thunderstorms produced hail up to the size of baseballs. Considerable roof, window, and auto damage was reported. Two funnel clouds moving northward were sighted by the public, however the damage that occurred was due to the hail. Damage was estimated at several million dollars.
Newton County	13	5:10 AM CDT until ?			0	0	4	0	Hail
									Thunderstorms produced hail up to the size of softballs. Auto and home damage was reported.
2 Miles North of Conway - Faulkner County	13	9:15 PM CDT			0	0	4	0	Lightning
									Lightning caused a fire which heavily damaged a church.
On Lake Hamilton - Garland County	13	9:25 PM CDT 200	**	50	0	0	4	0	Tornado
									A tornado moving eastward touched down briefly and destroyed some boat docks at a marina on Lake Hamilton.
Texarkana - Miller County	13	9:30 PM CDT			0	0	?	0	High Winds
									Thunderstorms produced high winds which downed numerous trees and power lines in the Texarkana area.
12 Miles Northwest of Hope - Hempstead County	13	9:40 PM CDT to 9:50 PM CDT			0	0	?	0	High Winds
									Thunderstorms produced high winds which downed numerous trees and power lines.
Benton - Saline County	13	9:45 PM CDT			0	0	5	0	High Winds
									Thunderstorms produced high winds which downed numerous trees and power lines, and caused minor damage to several buildings and autos.
Near Bryant - Saline County	13	9:50 PM CDT							Funnel Cloud
									A funnel cloud moving east-southeastward was sighted by an Amateur Radio storm spotter.
Fulaski County	13	9:55 PM to 10:30 PM CDT			0	0	5	0	High Winds/Hail/Funnel Clouds
									Thunderstorms produced high winds and hail up to the size of golf balls. Numerous trees and power lines were damaged along with some buildings and autos. All damage was caused by straight-line winds.
									Funnel clouds moving eastward were spotted in southwest Little Rock, near downtown Little Rock, near Jacksonville, in Sherwood, and just northeast of Gravel Ridge.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 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	
ARKANSAS (continued)									
Just North of Fouke - Miller County	13	10:02 PM CDT			0	0	5	0	High Winds
									Thunderstorms produced high winds which heavily damaged three houses, three mobile homes, and several outbuildings.
Just North of Beebe - White County	13	10:05 PM CDT							Funnel Cloud
									A funnel cloud moving eastward was sighted by the public.
Between Donaldson and Central - Hot Spring County	13	10:07 PM CDT							Funnel Cloud
									A funnel cloud moving eastward was spotted by the public.
8 Miles West-Southwest of Magnolia to 6 1/2 Miles Southeast of Magnolia - Columbia County	13	10:15 PM CDT TO ?	14	440	0	4	5	0	Tornado
									A tornado moving east-southeastward touched down and destroyed a brick house, a mobile home, and several other small outbuildings. Three persons in the mobile home were injured and one person in the brick house sustained injuries.
7 Miles North of Marshall - Searcy County	13	10:16 PM CDT	2	440	0	0	3	0	Tornado
									A tornado moving eastward touched down in a sparsely populated area. Damage was confined to trees, power lines, and home TV antennas.
Just East of Texarkana - Miller County	13	10:27 PM CDT			0	0	4	0	High Winds
									Thunderstorms produced high winds which destroyed a mobile home, and downed trees and power lines.
Pine Bluff - Jefferson County	13	10:35 PM CDT			0	0	4	0	High Winds
									Thunderstorms produced high winds which downed trees and power lines, and also caused minor damage to some homes and autos.
Just East of Carlisle - Lonoke County	13	10:45 PM CDT							Funnel Cloud
									A funnel cloud moving eastward was reported by the public.
Near Lake Erling - Lafayette County	16	2:30 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
8 Miles West-Southwest of Magnolia to McNeil - Columbia County	16	6:40 PM CDT	11	440	0	0	5	0	Tornado
									A tornado moving eastward touched down. It destroyed a mobile home and heavily damaged a commercial greenhouse. Several homes reported roof and structural damage.
Near Millwood Lake - Little River County	16	8:00 PM CDT							Funnel Cloud
									A funnel cloud moving eastward was sighted by Civil Defense storm spotters.
Just Southeast of Crossett - Ashley County	16	8:23 PM CDT							Funnel Cloud
									A funnel cloud moving eastward was sighted by Civil Defense storm spotters.
Near Saratoga - Hempstead County	16	8:37 PM CDT			0	0	3	0	High Winds/ Funnel Cloud
									Thunderstorms produced high winds which caused tree and power line damage. A funnel cloud moving eastward was sighted but did not touch down.
Near Parkdale - Chicot County	16	8:40 PM CDT							Funnel Cloud
									A funnel cloud moving eastward was sighted by the public.
Just Southeast of Eudora - Chicot County	16	8:52 PM CDT							Funnel Cloud
									A funnel cloud moving eastward was sighted by sheriff's deputies.
4 Miles West of Hope - Hempstead County	16	9:00 PM CDT			0	0	6	0	High Winds
									Thunderstorms produced high winds which heavily damaged a large feed mill. Damage was estimated at several hundred thousand dollars.
ARKANSAS (continued)									
Near Noble Lake - Jefferson County	16	10:20 PM CDT							Funnel Cloud
									A funnel cloud moving eastward was sighted by the public.
6 Miles Southeast of Star City - Lincoln County	16	10:40 PM CDT			0	0	4	0	High Winds
									Thunderstorms produced high winds which flipped over a mobile home. Other homes in the area also sustained damage.
9 Miles West of Dumas to 3 Miles East-Northeast of Dumas - Desha and Lincoln Counties	16	11:23 PM CDT	12	660	0	5	5	0	Tornado
									A tornado moving eastward touched down west of Dumas and moved into town. Three mobile homes and one house suffered major damage. A school also sustained major damage. Numerous homes sustained roof and minor structural damage. All persons injured were treated and released. Damage was estimated at 400 thousand dollars.
Southwest Little Rock - Pulaski County	17	2:00 AM to 5:15 AM CDT			0	0	?	0	Heavy Rain/ Flooding
									Thunderstorms produced heavy rain which flooded thirteen homes and some businesses along Rock Creek and other areas.
Altus - Franklin County	18	8:42 AM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
Near Hamburg - Ashley County	18	12:40 PM CDT			0	0	3	0	High Winds
									Thunderstorms produced high winds and marble sized hail. Tree and power line damage was reported.
Stephens - Ouachita County	18	12:48 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
5 Miles East of Taylor - Columbia County	18	3:25 PM CDT							Funnel Cloud
									A funnel cloud moving eastward was sighted by the public.
Near Lake Erling - Lafayette County	18	3:26 PM CDT							Funnel Cloud
									A funnel cloud moving eastward was sighted by the public.
Between Taylor and Walkerville - Columbia County	18	3:35 PM CDT			0	0	0	0	Hail
									Thunderstorms produced three-quarter inch hail. No damage was reported.
6 Miles Southwest of Atlanta to 1 Mile Southeast of Weason - Columbia and Union Counties	18	4:00 PM CDT to ?	19	440	0	1	5	0	Tornado
									A tornado touched down in an open area and moved eastward. The area just southeast of Weason sustained the most damage. Two chicken houses were destroyed and thirty thousand chickens were lost. Damage was estimated at 200 thousand dollars.
Union County	18	4:25 PM to 5:04 PM CDT							Funnel Cloud
									Six funnel clouds were reported by law enforcement officers and storm spotters. All were moving eastward.
El Dorado - Union County	18	4:30 PM CDT			0	0	?	0	Heavy Rain/ Flooding
									Thunderstorms produced heavy rain which flooded parts of town with up to four feet of water. Damage was confined to autos, streets, and a few homes.
Parker's Chapel or 5 Miles Southwest of El Dorado - Union County	18	4:37 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.

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ARKANSAS (continued)									
El Dorado - Union County	18	4:49 PM CDT	** 200	25	0	0	3	0	Tornado
									A tornado moving eastward touched down in a wooded area in the western part of town. Tree and power line damage was reported.
Just South of El Dorado - Union County	18	4:54 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
4 Miles South of El Dorado - Union County	18	5:00 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
4 Miles South of Magnolia - Columbia County	18	5:00 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
El Dorado - Union County	18	5:00 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
3 Miles North of Bussey - Columbia County	18	5:12 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. Tree damage was reported.
Near Macedonia and 4 1/2 Miles Northwest of Magnolia - Columbia County	18	5:20 PM CDT							Funnel Clouds
									Two funnel clouds moving eastward were sighted by Civil Defense storm spotters.
7 Miles West of El Dorado - Union County	18	5:35 PM CDT			0	0	0	0	Hail
									Thunderstorms produced three-quarter inch hail. No damage was reported.
15 Miles South of Magnolia - Columbia County	18	5:35 PM CDT							Funnel Cloud
									A funnel cloud moving eastward was spotted by Civil Defense storm spotters.
9 Miles Southwest of Magnolia - Columbia County	18	5:45 PM CDT			0	0	0	0	Hail
									Thunderstorms produced tennis-ball sized hail. Tree damage was reported.
7 Miles West of El Dorado - Union County	18	5:54 PM CDT			0	0	0	0	Hail
									Thunderstorms produced three-quarter inch hail. No damage was reported.
Christie's Chapel Community or 7 Miles South of Magnolia - Columbia County	18	6:00 PM CDT			0	0	4	0	Lightning
									Lightning caused a fire which destroyed a residence.
Lake Georgia-Pacific - Ashley County	18	6:20 PM CDT			0	0	0	0	Hail
									Thunderstorms produced walnut-sized hail. No damage was reported.
Greers Ferry - Cleburne County	18	7:25 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
El Dorado - Union County	18	7:28 PM CDT			0	0	0	0	Hail/High Winds
									Thunderstorms produced golf-ball sized hail and high winds. Tree damage was reported.
Heber Springs - Cleburne County	18	7:55 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
Cabot - Lonoke County	18	10:00 PM CDT			0	0	4	0	High Winds
									Thunderstorms produced high winds which damaged several buildings at the Cabot High School. Damage was estimated at twelve thousand dollars.
ARKANSAS (continued)									
Mena - Polk County	23	11:30 PM CDT			0	0	4	0	High Winds
									Thunderstorms produced high winds which damaged several businesses. Damage was estimated at 30 thousand dollars.
Near Ashdown - Little River County	24	12:25 AM CDT			0	0	3	0	High Winds
									Thunderstorms produced high winds which downed trees and power lines.
Texarkana - Miller County	24	12:30 AM CDT			0	0	3	0	High Winds
									Thunderstorms produced high winds which downed trees and power lines.
Danville - Yell County	24	2:00 AM CDT			0	0	4	0	Lightning
									Lightning caused a fire which destroyed a residence.
Little Rock Area - Pulaski County	25	5:24 PM CDT to ?			0	0	?	0	Heavy Rain/Flooding
									Heavy rains of over three inches in two hours flooded several homes in Little Rock, North Little Rock, Sherwood, and Jacksonville, along with numerous streets and autos. Floodwaters were up to five feet deep in some areas.
Searcy - White County	25	7:00 PM CDT to ?			0	0	?	0	Heavy Rain/Flooding
									Heavy rains caused flooding up to three feet deep in the downtown area. Damage was only minor.
Just Southeast of De Queen - Sevier County	28	5:10 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
Near Shiloh - Howard County	28	5:30 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
Fort Smith - Sebastian County	28	6:45 PM CDT			1	0	0	0	Flooding
									A fourteen-year old boy was trapped in a storm drain and drowned while playing on a flooded golf course.
5 Miles Northwest of Dierks - Howard County	29	5:55 PM CDT			0	0	0	0	Hail
									Thunderstorms produced one-inch hail. No damage was reported.
Near Lake Greason - Pike County	29	6:10 PM CDT			0	0	0	0	Hail
									Thunderstorms produced one-inch hail. No damage was reported.
Danville - Yell County	29	7:00 PM CDT			0	0	4	0	High Winds
									Thunderstorms produced high winds which downed trees and power lines. Minor roof damage was also reported.
Just West of Morrilton - Conway County	30	Mid-Afternoon			0	1	0	0	Lightning
									A twenty-seven year old man was struck and injured by lightning as he rode in a dund buggy along Interstate 40.
Marked Tree - Poinsett County	30	3:45 PM CDT			0	0	4	0	Hail/High Winds
									Thunderstorms produced golf-ball sized hail and high winds. Auto and roof damage was reported. An airplane at the local airport also sustained damage.
Near Osceola - Mississippi County	30	4:09 PM CDT			0	0	0	0	Hail
									Thunderstorms produced golf-ball sized hail. No damage was reported.
Just West of Osceola - Mississippi County	30	4:43 PM CDT							Funnel Cloud
									A funnel cloud moving northeastward was sighted by sheriff's deputies.

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					KILLED	INJURED	PROPERTY	CROPS		
ARKANSAS (continued)										
Pangburn - White County	30	5:30 PM CDT			0	0	3	0		Hail
			Thunderstorms	produced egg-sized hail. Minor damage was reported.						
Near Wynne - Cross County	30	6:30 PM CDT			0	0	0	0		Hail
			Thunderstorms	produced golf-ball sized hail. No damage was reported.						
Mt. George - Yell County	31	4:32 PM CDT			0	0	0	0		Hail
			Thunderstorms	produced golf-ball sized hail. No damage was reported.						
De Valls Bluff - Prairie County	31	4:45 PM CDT			0	0	5	0		Hail
			Thunderstorms	produced high winds which caused roof and structural damage to several buildings. Some vehicles also sustained damage.						
Petit Jean Mountain - Conway County	31	5:05 PM CDT			0	0	0	0		Hail
			Thunderstorms	produced egg-sized hail. Tree damage was reported.						
1 Mile South of Morrilton - Conway County	31	5:10 PM CDT			0	0	0	0		Hail
			Thunderstorms	produced golf-ball sized hail. No damage was reported.						
Just South of Menifee - Conway County	31	5:38 PM CDT	**	25	0	0	0	0		Tornado
				A tornado moving eastward touched down briefly in an open area, and no damage was reported.						
West Memphis - Crittenden County	31	5:50 PM CDT			0	0	3	0		High Winds
			Thunderstorms	produced 58-MPH winds. Minor damage was reported.						
CALIFORNIA										
NORTHERN & CENTRAL										
San Francisco Bay (San Mateo County)	19	8:35am PDT								Waterspout
										Federal Aviation Administration personnel and a private pilot saw spout.
Marysville (Yuba County)	19	1:35pm PDT								Funnel Cloud
										Federal Aviation Administration observer sighted funnel distant north.
CALIFORNIA SOUTHERN										
Riverside County	27th	5:30 P.M.								Heavy Rain
										In the community of Coachella, 60 inch of rain fell in 40 minutes.
	27th	2 pm.								Hail
										Hail the size of a nickel fell in Sun City.
	27th	Afternoon								Heavy Rain
										Between Sun City and Blainere heavy rains caused field flooding and street flooding with resulting in power and phone outages.
										Highway 3 and Country Club Drive were closed for about 2 hours due to flooding.
										In Rancho Mirage area heavy rain fell for approx. 1 hour.
										Several cars had to be pulled out of dry washes in Sky Valley, just E of Desert Hot Springs.
COLORADO										
Loveland	2	1454			0	0	0	0		High Wind
										A gust to 70 mph was reported in Loveland during a thunderstorm.
Larimer County	3	0826			0	0	0	0		Funnel Cloud
										A cold air funnel was reported 5 miles south of Fort Collins, moving southeast.
Arapahoe County	3	1230			0	9	0	0		Lightning
										A lightning bolt struck nine golfers at the South Suburban golf course in Littleton. None were injured seriously.
El Baso County	3	1725			0	0	0	0		Funnel cloud, hail
										A funnel cloud was spotted near Monument, and golf ball size hail fell in the area.
COLORADO (continued)										
Southern Weld, Eastern Boulder, Northern Adams Counties	3	1800-1930			0	0	3	4		Severe Thunderstorm
										A severe thunderstorm dumped 5.1 inches of rain in 45 minutes, a short time after Longmont was drenched with two inches in 20 minutes by the same storm. Street flooding was reported in both towns. 6 to 12 inches of hail piled up in the Keenesburg/Hudson area, and extensive crop damage was reported there. Snowblows had to be utilized to clear the hail off local roads. The hail stripped paint off of buildings in Hudson, Fort Lupton, and Brighton.
Kit Carson County	3	evening			0	0	0	0		Hail
										Hail broke windows near Burlington and piled up to a depth of three inches.
Craig	3	evening			0	0	3	0		Heavy rain
										Over an inch of rain fell in Craig, causing local flooding and widespread power outages.
Prowers County	6	1500-1600			0	0	4	3		Hail, Funnel cloud, High winds
										Strong gusty winds unroofed a barn near Wiley; the roof landed in a nearby tree. A light pole was broken and a steel gate bent in the same area. At about the same time a funnel cloud was reported north of Wiley, and golf ball size hail fell in the vicinity. Winds in Lamar were estimated at 50 to 60 mph, and tore limbs from trees. Hail caused some light damage to farms in the Granada area.
Fort Collins	7	1510			0	0	0	0		High winds
										A gust of 53 mph was observed 2 miles southwest of Fort Collins.
Lincoln County	7	1556			0	0	0	0		Hail
										Golf ball sized hail fell 10 miles south of Karval.
Loveland	8	0915			0	0	0	0		High winds
										A gust of 60 mph was reported 8 miles west southwest of Loveland.
Extreme southeast Colorado	8	1700-1900			0	0	3	0		Hail
										Golf ball size hail was reported between Lamar and Two Buttes. The hail moved farther south and dented cars in Springfield and Campo, both in Baca County.
Larimer, Weld Counties	11	afternoon			0	0	0	0		Funnel cloud, High winds
										Wind gusts of about 50 mph were reported near Loveland, Fort Collins, and Platteville. About 6 pm MST a small funnel cloud was observed just south of Windsor.
Fort Morgan	11	1440			0	0	0	0		Funnel cloud
										A funnel cloud was reported in Fort Morgan, and some telephone poles were damaged by gusty winds in the vicinity of the funnel.
Morgan County	11	1922	0.1	20	0	0	0	0		Tornado
										A cold air funnel touched down just north of Fort Morgan. It was observed by the highway patrol.
Prowers County	16	1500	0.1	20	0	0	0	0		Tornado
										Several cold air funnels were seen near Lamar. One touched down briefly.
Northeast Colorado	16-17				0	0	0	0		Rain, snow
										A late spring storm gave northeast Colorado prolonged rain at lower elevations, with heavy snow in the mountains. Rainfall amounts from Denver northward to the Wyoming border were mostly from 1 to 2 1/2 inches, but some places in western Weld county received over 3 inches. 19 inches of snow fell at Berthoud Pass, with 12 inches at the Red Feather Lakes area west of Fort Collins. The storm brought much needed moisture to the area and was a great help to agricultural interests.
Montrose	20	afternoon			0	0	4	0		High winds
										Strong winds in Montrose knocked a trailer off its moorings and slammed it into a house 20 feet away. Power lines were downed in the area.
Fort Collins	21	1422			0	0	0	0		High winds
										A gust of 52 mph was recorded 2 miles south of Fort Collins.
Loveland	24	1428			0	0	0	0		High winds
										A gust of 60 mph was recorded 3 miles south of Loveland during a thunderstorm.
Douglas, El Paso Counties	26	1200-1230			0	1	3	0		Lightning
										Lightning hit a fuel truck in Colorado Springs, starting a small fire and slightly injuring a man on the truck. A bolt struck a house in the city, causing \$2000 damage to the home. And at about the same time, a bolt hit a Village Inn restaurant in Castle Rock, causing minor damage. The lightning also caused brief power outages in Colorado Springs.
Yuma County	26	afternoon			0	0	0	4		Hail
										Hail piled up 6 inches deep in Yuma County near Vernon, causing 50 to 90 percent crop damage at some farms. 12.6 inches of rain fell at Vernon in only 25 minutes.
Weld, Morgan counties	27	1700-1830			0	0	0	4		Hail
										Up to 8 inches of hail accumulated just north of Brush in Morgan county, causing 30 to 50 percent crop damage in surrounding fields. Hail damage was also reported in Hudson. Some flooding occurred in Stoneham, in Weld county, where over 8/10 of an inch of rain fell in just five minutes.

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
COLORADO (continued)									
Jefferson, Arapahoe counties	27	early eve.			0	0	4	0	Lightning, hail
									Lightning damaged power lines west of Lakewood, and blew up a transformer at the Denver Federal Center. Hail 1 to 1 1/2 inches in diameter was reported in Lakewood, Strasburg, and on Interstate 25 just south of Littleton.
Aurora	28	1400			1	1	0	0	Lightning, heavy rain
									A woman in Aurora was struck and killed by lightning. Another bolt injured a boy on a bicycle at about the same time a short distance away. Heavy rain about half an inch in 20 minutes caused street flooding in the area.
Elbert County	28	1415-1445			0	0	0	0	Hail
									Golf ball size hail fell in Elizabeth and Kiowa.
Colorado Springs area	28	1500			0	0	2	0	Hail, heavy rain
									Hail an inch in diameter fell in the western part of town. Over an inch of rain fell in three hours causing local flooding; a car was washed off a highway.
Denver	28	1548	0.3	30	0	0	0	0	Tornado
									A cold air funnel touched down for about two minutes some three miles north of Stapleton Airport. It was observed by weather service personnel and appeared to be stationary.
Lincoln, Cheyenne Counties	28	1830			0	0	0	0	Heavy rain, hail
									A thunderstorm dropped golf ball size hail in southeast Lincoln county, then dumped about an inch of rain in an hour at the town of Kit Carson, causing minor street flooding.
Western Weld county	31	1503	0.3	30	0	0	3	0	Tornado
									A tornado was spotted 4 miles east of Longmont, near Interstate 25. It tore up some fences.
Weld County	31	1510	0.2	25	0	0	0	0	Tornado
									A ropelike tornado touched down in an open field 7 miles southeast of Windsor.
CONNECTICUT									
NO DATA RECEIVED									
DELAWARE									
Newark Vicinity	15	4:15 p- 4:30 p			0	0	3	0	Wind
									Wind cut a swath through wooded area in Arvor Park, knocking down some 40 trees and disrupting electrical service in the area.
Milford	15	Mr 4:30p			0	0	3	0	Lightning
									Lightning strike caused an electrical surge through house wires and ignited a bed. Damage was confined to the 2nd-floor bedroom of the home. Loss was estimated at near \$2,000.
FLORIDA									
Brevard County	1	5:45PM EST	2	100	0	0	4	0	Tornado
									A tornado touched down between Hims and Scottsmore during a violent thunderstorm uprooting trees, overturning utility sheds and at least one mobile home, and knocking down power lines. Marble-sized hail fell briefly. No injuries were reported.
Dade County	7	8:35AM EST			0	0	0	0	Funnel cloud aloft;
									A funnel cloud aloft moving toward the north-northeast was reported by the public about 12 or 3 miles west of the Doral Country Club.
Okeechobee County	7	12:24PM EST			0	0	0	0	Funnel clouds aloft.
									Numerous funnel clouds aloft were reported by the County Sheriff near Okeechobee City.
Broward County	7	1:35PM EST	1/10	20	0	0	3	0	Tornado
									A tornado reported by the public near Tamarrac touched down briefly causing only minor damage. No injuries were reported.
Dade County	7	5:15PM EST	1	50	0	0	4	0	Tornado
									A tornado touched down west of Ferride in the area of the new Metrozoo and the nearby U. S. Coast Guard housing compound. The main zoo area and animal compounds were unaffected. The zoo guard-house, vacated by the guard only moments before, was demolished, and there was quite a bit of tree damage and downed power lines. Damage in the housing compound included shattered windows, ripped porch screens, fences and shrubbery, and damage to cars struck by falling trees. There were no injuries.
Broward County	11	4:15PM EST	1/10	20	0	0	0	0	Tornado
									The Florida Highway Patrol reported that a tornado touched down briefly near Hollywood Blvd. and Hwy 27. No damage or injuries were reported.
Monroe County	14	5:43PM EST			0	0	0	0	Funnel clouds aloft
									Two funnel clouds aloft were reported 2 miles northeast of Vaca Key.
Monroe County	14	7:08PM EST			0	0	0	0	Funnel clouds aloft, waterspouts
									Numerous funnel clouds aloft and waterspouts were reported by Civil Defense officials in the Conch Key area.

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					KILLED	INJURED	PROPERTY	CROPS	
FLORIDA (continued)									
Polk County	17	6:45PM EST	1	30	0	0	4	0	Tornado
									A small tornado dipped down in the Lake Lena area of Auburndale during a thunderstorm heavily damaging one residence, blowing down some trees, and causing minor damage to several other residences. The tornado funnel was seen by several residents and one person described a sound like a freight train. No injuries were reported. There were reports of hail the size of golf balls.
Ocala County	19	Late morning-early afternoon			0	0	0	0	Funnel clouds aloft.
									Funnel clouds aloft were reported in Niceville, Florosa, and east of Fort Walton Beach, by the county Civil Defense office, as a line of severe thunderstorms moved through the area.
Marion County	20	10:30AM EST			0	0	0	0	Funnel cloud aloft, wind
									A funnel cloud aloft was reported in the Lake Wier area, and at least one tree was blown down in Ocala as severe thunderstorms moved through the area.
Orange County	20	11:58AM EST			0	0	0	0	Wind, severe thunderstorms
									Wind gusts to 63 mph were reported at Orlando International Airport as a thunderstorm moved over the area. There were also reports of 1/2 inch hail and rainfall amounts up to 2 inches in various parts of the county. No damage or injuries were reported.
Broward County	20	3-4 PM EST	1	50	0	0	4	0	Tornadoes, wind, hail
									A tornado was reported near Plantation at 3:15 PM EST causing miscellaneous damage but no injuries. The volunteer fire station at Rixmere Village was damaged, and a number of mobile homes were damaged and trees blown down at the Rixmere Mobile Home Park. One observer reported that the tornado sounded like 4 jet.
									At least two other tornadoes were reported in southeastern Broward County as the severe thunderstorms moved through, accompanied by strong winds, hail, and heavy rain. Golfball-sized hail was reported west of Ft. Lauderdale Executive Airport at 3:15 PM EST.
		3:40PM EST							
									A tornado was reported by the public about 5 miles northwest of Pembroke Pines. No damage or injuries were reported.
		3:55PM EST							
									A tornado was reported on the ground by the Sheriff's office at the Dade/Broward county line and U.S. 441. There were no reports of damage or injuries.
Bay County	26	9:15AM EST	1	30	0	0	4	0	Waterspout-tornado
									A waterspout-tornado moved onshore near the Fontainebleau Hotel area in Panama City Beach ripping the roof from one beach cottage and damaging several others. Eyewitnesses reported that the funnel continued northeastward across a wooded area and dissipated shortly afterward. Several trees and power lines were blown down. Damage was estimated at \$35,000. No serious injuries were reported.
Dade County	27	9:20AM EST			0	0	0	0	Funnel cloud aloft
									A funnel cloud aloft, associated with a heavy thunderstorm, was reported 4 miles south of Miami International Airport moving southward.
Volusia County	27	3:00PM EST			0	0	4	0	Wind, severe thunderstorms
									A wind gust to 81 mph was recorded on the Sunlight Pier at Daytona Beach Shores as a severe thunderstorm moved across the area. No damage or injuries were reported.
									A violent thunderstorm swept over western Volusia County during the afternoon leaving numerous downed trees and branches in its wake, along with some downed power lines. Several automobiles and mobile homes were damaged by falling trees and limbs. No injuries were reported.
Monroe County	28	12:09PM EST			0	0	0	0	Waterspout
									A waterspout was reported by the public south of Sugarloaf Key moving toward the northeast.
Broward County	28	3:58PM EST	1/10	20	0	0	0	0	Tornado, funnel clouds aloft
									A tornado and at least 2 funnel clouds aloft were associated with severe thunderstorms in southeastern Broward County. The tornado touched down briefly 5 miles west of Daniel Beach at 3:58 PM EST and moved east-northeastward. No damage or injuries were reported. Funnel clouds aloft were reported at 4:25 PM EST west of Hallandale and at 5:12 PM EST near Hollywood Beach.
Dade County	28	5:43PM EST			0	0	0	0	Waterspout
									A waterspout was reported east of Hallover Pier moving toward the west.

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
FLORIDA (continued)										
Monroe County	29	7:45AM EST			0	0	0	0	Waterspout	
		A waterspout was reported 2 miles northeast of Key West.								
Dade County	29	3-5 PM EST			0	0	0	0	Funnel cloud aloft	
		Several funnel clouds aloft were reported as thunderstorms moved eastward through the area. Funnel clouds were reported over Miami at 3:18 PM EST and over North Miami Beach at 4:03 PM EST. Small hail was reported at 3 PM at the Palmetto Expressway and N.W. 58th Street.								
Broward County	29	7:25PM EST			0	0	0	0	Funnel cloud aloft	
		A funnel cloud aloft was reported by the Broward County Sheriff's office west of North Lauderdale.								
Dade County	31	8:00AM EST			0	0	0	0	Waterspout	
		A waterspout was reported by the Coast Guard 4 to 6 miles east of Haulover Cut.								
GEORGIA										
Troup County	10	8:00 PM			0	0	0	0	Hail	
		Thunderstorms dropped hail up to three-fourths of an inch in diameter on the LaGrange area.								
Rockdale County	10	11:30PM	1	15	0	0	5	0	Tornado	
		Thunderstorms moved through the area, spawning a small tornado which touched down just east of Conyers near the Newton County line. A used auto parts building sustained extensive damage; a portion of the roof, two wide sliding doors, and a concrete wall were destroyed. A nearby storage shed was flattened, and several pine trees were snapped off. The tornado moved northeast.								
Walton County	15	12:00AM			0	0	0	0	Hail	
		Thunderstorms dropped hail up to golfball-size near Walnut Grove.								
Fulton, Clayton, DeKalb, and Rockdale Counties	15-16	11:10PM-12:05AM			0	0	5	0	Wind	
		Gusts to 70 mph were recorded at the Atlanta Airport at 11:13PM as strong thunderstorms moved through the Metropolitan Atlanta area. Scattered power outages were reported throughout the area as trees were blown onto power lines. Outages were most numerous in the Buckhead area of north Atlanta. A mobile home was damaged in Clayton County just south of the Atlanta Airport at 11:30PM. Minor roof damage to several buildings occurred in DeKalb County near the I28-US29 intersection at 12:04AM.								
Tattnall County	18	4:55PM			0	0	0	0	Hail	
		Thunderstorms dropped hail up to the size of ping-pong balls near Clenville.								
Bartow County	31	4:20PM-4:50PM			0	1	5	0	Wind, Lightning	
		Thunderstorm winds caused heavy damage to the roof and walls of an old motel being used as a flea market near Cassville. The roof was blown from a nearby building. Two mobile homes were completely destroyed. Several trees and power lines were downed; one tree caused heavy damage when it fell onto the roof of a house. One man received minor injuries when he was struck by lightning at 4:20PM on a beach at Lake Allatoona.								
Clarke and Madison Counties	31	5:00PM-6:00PM			0	0	4	0	Wind	
		Thunderstorm winds caused minor damage to several houses, blew down a few power poles, and broke off and uprooted several trees. The heaviest damage occurred seven miles north of Athens at 5:30PM.								
HAWAII										
					NO DATA RECEIVED					
IDAHO										
					NONE REPORTED					
ILLINOIS										
Lawrenceville, Lawrence County	1	12:52PM	?	?	0	0	0	0	Funnel	
		A funnel cloud was sighted east of Lawrenceville and was traveling east towards Vincennes, Indiana. It never touched the ground and caused no damage.								
Southern portions	10	1 to 4pm	?	?	0	0	0	0	Hail	
		As locally severe thunderstorms moved across the southern portions of the state, hail and heavy rain was recorded. At 3pm 1.50 inch diameter hail was reported 5 miles southwest of DeSoto in Jackson County. No damage was reported.								
West and Southwest portions	17-18	10pm to 10am			0	0	4	?	Wind and Heavy Rain	
		Thunderstorms with heavy rain and strong winds caused damage to trees and a few homes. The hardest hit areas were in the western and southwestern portions of the state where 2 to 4 inch rainfall amounts caused flooding of low-lying areas. High winds blew trees limbs down and power failures occurred. In Fairview Heights, St. Clair County, part of a new underground drainage pipe was pushed up by the large amount of water. Cars that were parked on top of the pipe were damaged. Many roads were closed due to flooding.								
Edwardsville, Madison County	18	4am			0	0	4	0	Lightning	
		At 4:00am lightning struck a home in Edwardsville causing a fire.								
Elmwood, Peoria County	27	1:00	0.5	13	0	0	0	0	Tornado	
		A small tornado touched down north of Elmwood in an open field. It moved east towards Brimfield causing no damage.								
Carbondale, Jackson County	29	5:45pm			0	0	0	0	Wind	
		A 51 knot gust of wind occurred at 5:45pm and was accompanied by a rather severe thunderstorm. No damage was reported.								
Southern half	9-30				0	0	4	6	Flooding	
		From about the 9th and continuing through the end of the month, heavy rainfall amounts caused flooding of farm land and mainly in the southern half of the state. Rainfall amounts were as much as 13 inches in localized areas sending rivers and creeks over their banks. Newly planted crops were damaged or destroyed. Homes and buildings in low-lying areas were damaged. The southeastern sections were hardest hit as the Little Wabash, Big Wabash, and Ohio Rivers all flooded farm land. Estimated crop damage in Gallatin County alone was \$400,000.								
INDIANA										
Wheatland Knox County	1	305P	0	0	0	0	0	0	Hail/Wind	
		Golf-ball size hail, winds in excess of 50 mph.								
SE Spencer County	10	215P	0	0	0	0	0	0	Wind	
		Trees down, limbs broken, winds in excess of 60 mph.								
East Jackson & NW Jennings Counties	10	330P	0	0	0	0	3	0	Wind	
		Scattered damage to outbuildings and trees down.								
Madison City Jefferson County	10	345P	0	0	0	0	0	0	Wind	
		Scattered damage to trees. Wind estimated at 60-70 mph.								
Western Indiana	10-15				0	0	0	4	5	Flooding
		Heavy rains resulted in the Tippecanoe River from north of Winamac in Pulaski County, south to Lafayette and the Wabash River from Lafayette to New Harmony to flood.								
		The Tippecanoe River State Park was almost totally under water as well as sections of Winamac along the river.								
		Small stream flooding in these areas also flooded large amounts of farm land, which delayed Spring planting. Some homes suffered water damage along the river.								

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					KILLED	INJURED	PROPERTY	CROPS		
INDIANA (continued)										
Northwestern Indiana	May 10- June		0	0	0	0	0	0	6	Flooding
The Kankakee River in northwestern Indiana overflowed its banks on the 10th of May and remained so into June.										
A section of the towns of Duns Bridge, Shelby, and Thayer were under water as well as large areas of farmland, delaying Spring planting. Some areas may not be able to be planted this year. Most property damage was due to high water. One county road remained closed for the entire month.										
White, Tippecanoe, Carroll Counties	14 Even.		0	0	0	0	4	0	0	Flooding
Up to 3 inches of rainfall caused extensive flooding along small streams and the Tippecanoe River. Approximately 500 homes were involved.										
W. Evansville Vanderburgh Co.	26 500P		0	0	0	0	0	0	0	Tornado
Brief tornado touchdown, no damage reported.										
Southwestern/ West Central Indiana	27 Even.		0	0	0	0	3	0	0	Thunderstorms
Between 3 to 6 inches of rain caused closing of some county roads and State Road 45.										
McCutchenville Vanderburgh Co.	27 300A		0	0	0	0	0	0	0	Flooding
Homes and basements were flooded. Streets were flooded, homes evacuated.										
St. Joseph County	29 1100P-30 1300A		0	0	0	6	6	0	0	Flooding
2 1/2 - 5 inches of rainfall caused flooding throughout northwestern Indiana and southwestern Michigan.										
Injury was to a woman whose car was damaged from an eroded roadway in Miles Township, Michigan and to five drivers/passengers in automobile accidents in St. Joseph County, Indiana that were caused by flooded roadways.										
Rush County	30 Even.		0	0	0	0	4	0	0	Flooding
Several roads were under water. One bridge washed out near Rushville.										
Indianapolis Marion County	31 500P		0	0	0	2	0	0	0	Lightning
Two persons were injured when lightning struck the vehicle they were boarding.										
IOWA										
O'Brien, Dickinson and Elay Counties, Northwest Iowa	22 745-10P		--	--	0	0	4	0	0	Severe Thunderstorm Hail, Wind, Funnel Aloft
High winds damaged 3 farms, toppled trees and downed power lines near Terril. Hail up to the size of golf balls fell at Primghar. Several funnel clouds observed near Langdon.										
Pottawattamie County	22 920P		--	--	--	--	--	--	--	Funnel Cloud
A Funnel Cloud was reported by the Police north of Council Bluffs.										
8 Miles South Clarinda Page County	23 232P		?	?	0	0	0	0	0	Tornado
Severe individuals observed the tornado over rural areas including some golfers. The golfers had halted play because of rain and took shelter in the clubhouse basement when the tornado was sighted.										
Montgomery, Cass, Adair and Madison Counties	23 232P-436P									Tornadoes (6) (Listed Separately Below)
An area of intense thunderstorms moved across Southwest and South Central Iowa during the afternoon spawning 16 tornadoes. Only brief ground contact in rural areas occurred with each tornado. No related discernible damage, fatalities or injuries.										
Near Grant, Montgomery County	23 232P		?	?	0	0	0	0	0	Tornado
3 Miles South Adair Adair County	23 315P		?	?	0	0	0	0	0	Tornado
5 Miles South Anita Cass County	23 330P		?	?	0	0	0	0	0	Tornado
6 Miles North Greenfield Adair County	23 402P		?	?	0	0	0	0	0	Tornado
7 Miles South of Stuart Adair County	23 415P		?	?	0	0	0	0	0	Tornado
4 Miles South Dexter Madison County	23 436P		?	?	0	0	0	0	0	Tornado

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IOWA (continued)										
Bedford, Taylor County	23 3-4P		--	--	0	0	0	0	0	Hail, Funnel Aloft
Golf ball size hail fell in the area between Bedford and Cravity. Several funnel clouds were observed.										
Vicinity Casey, Extreme Southern Guthrie and Extreme Northern Adair Counties	23 3-4P		--	--	0	0	0	4	0	Heavy Rain - Hail
Three to four inches of rain fell in a one hour period over a small area. A usually tame creek south of Casey overflowed to a width of about 400 feet. Water levels topped four foot fence posts on some fields. Golf ball size hail also caused damage to newly emerging crops but most damage was due to erosion from heavy rain.										
3 Miles South Earlham Madison County	23 436P									Funnel Aloft
Funnel Cloud observed. No ground contact.										
Benton to the West and North of Mt. Ayr to between Beaconsfield and Elliston, Ringgold County	23 5P		16	130	0	0	5	4	0	Tornado
Several farm homes and outbuildings damaged. Summer cabins at a resort area north of Mt. Ayr were destroyed or heavily damaged. A combine was lifted from the North side of the road, carried across the road and wrapped around a pole, completely destroying it. A number of livestock were killed and others had to be destroyed because of their injuries. Heavy rain north of Mt. Ayr caused some damage to newly erupting crops.										
Madison County	23 528P		Short	?	0	0	3	0	0	Tornado, Funnel Aloft
County Sheriff observed 5 funnel clouds and one tornado with brief ground contact 3 miles Northwest of Winterpet. One hog was killed and seven portable steel hog shelters were demolished, some tossed up to 3/4 of a mile. Some fences and trees destroyed.										
4 1/2 miles South of St Ansgar travelled Northeast for 4 miles Mitchell County	23 555P		4	50	0	0	5	0	0	Tornado
Five farms damaged. Three barns, three machine sheds, one garage and one granery destroyed. A half-dozen small outbuildings damaged or destroyed. One mobile home destroyed. Numerous trees damaged and a few power lines downed.										
Cumming, Warren County	23 6P									Funnel Aloft
Highway Patrol sighted funnel cloud. No ground contact.										
Osceola, Clarke County	23 630-640P		--	--	0	0	0	0	0	Hail
Spotter reported golf ball size hail.										
10 Miles South Indianola - Warren County	23 650P									Funnel Aloft
Funnel Cloud observed. No ground contact.										
Burlington, Des Moines County	23 905P		--	--	0	0	0	0	0	Hail
Golf ball size hail reported in Western sections of City										
Randalia and West Union Fayette County	23 930P		--	--	0	0	5	0	0	Severe Thunderstorm - Wind
Strong winds caused considerable damage to various buildings in the two cities. A part of the roof of an office building at the West Union Airport was torn off. A new mobile home on display, not tied down, was destroyed. An activity sign at a High School was destroyed and Football Scoreboard bent over. Several large trees were downed. A large cattle shed and hog house were destroyed.										
KANSAS										
Ellis and Rush Counties	3 5:30p				0	0	0	5	0	Rain and Hail
Heavy rain and golf ball size hail fell in Southern Ellis and Northern Rush Counties near Pfeifer. More than 5 inches of rain fell, causing flooding along the Smoky Hill River.										
Stanton and Western Grant Counties	6 6:30-7:00p		32	5 mi.	0	0	4	5	0	Hail
Hail to 3/4 inch in diameter fell from the Stanton County- Colorado Border to 5 miles west of Ulysses.										
Northern Seward, Southern Haskell, Stevens, Meade, Comanche, Barber, and Clark Counties	7 4:00-9:00p		160	10 to 30 mi.	0	0	5	7	0	Hail
Hail .5 to 2.5 inches in diameter fell upon much of the area. Softball size hail fell near Moscow in Stevens County at 4:20p.										
Southern Harper County	7 9:00p				0	0	0	3	0	Hail
Golf ball size hail caused localized damage to the wheat crop.										
Valley Center, Sedgwick County	8 3:00p		Short	Narrow	0	0	0	0	0	Tornado
A tornado touched down 1 mile northwest of Valley Center. It lifted almost immediately and did no damage.										
Northeast Seward, Meade, Southern Comanche, and Southern Clark Counties	8 4:00-9:00p		135	30 mi.	0	0	6	7	0	Hail
Hail .5 to 2.5 inches in diameter caused damage to roofs and the wheat crop.										
Rawlins County	8 6:00p				0	0	0	5	0	Hail
Pea to marble size Hail damaged 2,000 acres of wheat in the northwestern section of the county.										

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					KILLED	INJURED	PROPERTY	CROPS	
KANSAS (continued)									
Northeast Hodgeman and Southwest Pawnee Counties	8	7:30-8:30p	25	10 mi.	0	0	4	5	Hail
									Hail from .5 to 2 inches damaged the wheat crop.
Northern Lincoln County	8	10:30-11:30p			0	0	4	5	Hail and Wind
									A narrow band of thunderstorms with strong winds moved across Northern Lincoln County and dropped hail from marble, to golf ball, to locally as large as the size of a fist. Considerable damage was done to crops and 145 sheep were killed.
West, North Central, and Northeast Kansas	10-11	mornings			0	0	0	8	Frost and Freeze
									Temperatures dropped into the upper 20s and low 30s in the West and North Central the morning of the 10th and in the North Central and Northeast the morning of the 11th. The unseasonable cold caught the wheat crop in a vulnerable state and damaged it extensively. The damage was incurred north of a line from Elkhart to Dodge City to Wichita to Paola. The most severe damage occurred in the Northwest.
Eastern Clark and Northern Comanche Counties	13	2:00-3:00	35	10 mi.	0	0	5	5	Wind
									Thunderstorms packing strong winds moved from north of Sitka to north of Coldwater. Power lines were downed and homes and outbuildings damaged.
Harper County	13	5:00a			0	0	0	3	Hail
									Golf ball size hail lasting just a few minutes caused localized damage to wheat fields.
Grant	16	4:10-4:35p	13	30	0	0	4	0	Tornado
									A tornado skipped along, on the ground about 20 percent of the time, from 7 miles west and 10 south of Ulysses to 4 miles south of Ulysses. One farmstead was damaged.
Haskell and Gray Counties	16	4:25-6:15p	36	50	0	0	5	5	Tornado
									A tornado cut a narrow path from 4 miles south of Sublette to 5 southwest of Ensign. It was on the ground about 80 percent of the path and caused damage to several farms.
Finney, Gray, Ford, Haskell, and Grant Counties	16	5:30-7:30p			0	0	0	5	Hail
									Hail damaged the wheat crop in the listed counties. 3/4 inch hail fell 15 miles southwest of Dodge City at 6:00p, near Holcomb at 6:40p, and 20 east of Dodge City at 7:00p.
Arkansas City, Cowley County	17	3:05p	1/2	100	0	0	6	0	Tornado
									A tornado collapsed the roof of the city auditorium and tore most of the copper dome off a bank. Many homes were damaged by tree limbs, and power lines were downed. The funnel was at rooftop level most of the time.
Harper County	17	3:15-3:30p	5	100	0	0	4	3	Tornado and Hail
									A tornado, on the ground about 25 percent of the time, damaged 10 homes and several outbuildings from 5 miles northwest to 5 miles northeast of Harper. Golf ball size hail fell at Duquoin and damaged some wheat fields.
Ness County	17	3:15p			0	0	0	0	Funnel
									A funnel was sighted 2 miles west of Utica.
Cowley	17	3:20p			0	0	0	4	Hail
									Golf ball size hail south of Winfield damaged wheat fields.
Thomas County	17	3:56p			0	0	3	0	Tornado
									A small tornado touched down briefly and destroyed a small storage building 4 miles north of Oakley.
Wichita, Sedgwick County	17	4:20-5:20p			0	0	4	0	Wind and Hail
									Thunderstorms moved through the county. High winds downed power lines and damaged one mobile home. Hail 3/4 inch in diameter fell in Southeast Wichita.
Ness County	17	5:10p			0	0	0	2	Funnels
									Funnel clouds were sighted near Ransom and Brownell.
Cowley County	17	5:42p			0	0	3	0	Tornado
									A tornado touched down 6 miles south of Buden damaging a house and a few outbuildings.
KANSAS (continued)									
Sedgwick County	17	6:12p			0	0	3	5	Hail
									Hail as large as 1.5 inches in diameter fell in an area 10 miles south of Wichita. It damaged some roofs and caused some wheat damage.
Southern Butler County	17	6:39p			0	0	0	3	Hail
									Golf ball size hail fell in small patches near Douglass and Latham.
Rawlins County	17-18	Night			0	0	5	5	Rain
									Heavy rain, 4 to 5 inches in the western part of the county, produced extensive flooding along the south fork of Beaver Creek. The flood washed out several bridge approaches, a small section of railroad track and overflowed a number of roads and bottom lands. The flooding began on the 18th and continued through the 19th.
Barber and South Central Pratt Counties	22	4:30-5:00p	35	3 mi.	0	0	0	5	Hail
									Hail to 3/4 inch fell in a band from near Aetna to near Sawyer.
Beverly, Lincoln County	22	5:15p			0	0	0	0	Tornado
									A tornado touched down briefly just north of Beverly. No damage.
Pratt, Barber, Reno, Stafford, Kingman, and Harvey Counties	22	5:30-7:00p			0	0	0	5	Hail
									Thunderstorms dropped hail as large as an inch in diameter. Some wheat fields were damaged.
Lyon, Osage, Shawnee, Douglas, and Franklin Counties	22	6:30-8:30p			0	0	4	0	Wind, Funnel
									Thunderstorms packing strong winds crossed parts of East Central Kansas. Gusts reached 58 mph in Emporia at 6:58p, 69 mph at Topeka at 7:45p, and 40 mph in Lawrence at 8:15p. A funnel was sighted 4 miles northeast of Ottawa. Trees, farm outbuildings, and power lines sustained minor damage.
Newton, Harvey County	22	7:06p			0	0	4	0	Wind
									A severe thunderstorm with high winds moved through Newton. Tree limbs fell on vehicles, houses, and electrical lines in the west part of the city. A wind gust of 104 mph was measured at the airport.
Leavenworth, Johnson, and Wyandotte Counties	23	3:00-4:00p	2	35	0	0	2	0	Tornado and Hail
									A small tornado was on the ground between 3:15 and 3:30p 4 miles south of Lansing. The twister drove a 2X4 through a barn roof but caused no other damage. Hail the size of half dollars fell from the same storm over Olathe.
Garnett, Anderson County	23	3:15p	1.5	50	0	0	6	0	Tornado
									A small tornado dropped out of the clouds 5 miles north of Garnett and cut a narrow swath to the northeast. It first struck a mobile home and left it a total loss. Next it hit a farm, inflicting heavy damage upon the house, outbuildings, and several pieces of farm machinery.
Centerville, Linn County	23	4:15p	6	100	0	0	5	0	Tornado
									A tornado set down 1.5 miles west of Centerville and moved southeast narrowly missing the town. It destroyed a mobile home, barn, and 7 grain storage bins.
Labette and Montgomery Counties	23	5:25p			0	0	0	0	Tornado and Funnels
									Several funnels and a brief tornado touchdown occurred in the area 5 miles west of Valada.
	23	5:40p			0	0	4	0	Tornado
									A tornado touched down 5 miles east of Coffeyville. It knocked down trees and downed power lines. One mobile home was damaged.
Wabaunsee County	25	3:50p			0	0	0	0	Tornado
									A tornado touched down briefly in open country 6 miles north of Eskridge.
Harvey County	25	9:35p			0	0	0	3	Hail
									Golf ball size hail in a small area 9 miles north of Newton caused damage to the wheat crop.
Russell County	26	3:30p			0	0	0	3	Hail
									Golf ball size hail fell in a small area 6 miles south of Gorham.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
KANSAS (continued)									
Cheyenne, Rawlins, Scott, Lane, Thomas, and Rush Counties	26	5:00-11:00p			0	0	5	5	Hail, Rain and Wind
									Thunderstorms accompanied by hail and heavy rain caused crop damage and scattered damage to homes, buildings and farm equipment. Hail from 3/4 inch to golf ball size was common. The storms drenched Rawlins County with 3 to 6 inches of rain flooding a number of secondary roads, culverts and small bridges.
Liberal, Seward County	26	4:25-5:00p			0	0	5	0	Hail
									1/2 to 2 inch hail fell on the north side of the city damaging roofs of many homes.
Stevens, Grant, Haskell, and Northern Seward Counties	26	5:00-6:30p			0	0	0	5	Hail
									Hail locally as large as Golf balls damaged wheat fields in the listed counties.
Pawnee County	26	6:45-7:15p	7	3 mi.	0	0	0	5	Hail
									Hail half an inch or less in diameter dropped in a west to east swath north of Larned. It covered the ground and was as much as 3 inches deep. Wheat fields were damaged extensively.
Plains, Meade County	26	6:50p			0	0	0	3	Hail
									Golf ball size hail fell in a small area near Plains.
Florence, Marion County	28	Morning			0	1	0	0	Lightning
									A woman was struck by lightning. She was treated and released from a hospital but was unable to speak and suffered numbness for 3 days.
									<u>SPECIAL HAIL SUMMARY</u>
									Kansas-Oklahoma Hail Loss Service reports indicate hail was especially damaging to crops on the following dates in the listed counties.
	3								Ellis, Rush
	6								Morton, Seward, Stanton
	7								Barber, Clark, Comanche, Grant, Harper, Haskell, Meade, Morton, Seward, Stanton, Stevens, Sumner
	8								Barber, Comanche, Edwards, Ford, Grant, Gray, Harper, Harvey, Haskell, Hodgeman, Logan, Meade, Morton, Pawnee, Rawlins, Sedgwick, Seward, Stanton, Stevens, Sumner
	9								Harper
	13								Barber, Clark, Comanche, Ford, Harper, Kiowa
	15								Wichita
	16								Decatur, Edwards, Finney, Ford, Grant, Gray, Haskell
	17								Cowley, Ellis, Harper, Kingman, Rush, Sedgwick, Sumner
	18								Saline
	22								Barber, Harvey, Kingman, Lincoln, Mitchell, Ottawa, Pratt, Reno, Stafford
	23								Bourbon, Labette
	25								Atchison, Brown, Rice, Sedgwick, Shawnee
	26								Cheyenne, Ellis, Grant, Haskell, Pawnee, Rawlins, Rush, Russell, Seward, Stevens
	27								Ford, Kiowa, Wallace, Wichita
	28								Edwards, Harper, Hodgeman, Jewell, Kiowa, Sumner
KENTUCKY HENDERSON CO	1	1:10 PM							Tree limbs down, hog buildings blown over, winds in excess of 60 MPH.
MEADE AND BULLITT CO KY AND HARRISON AND WASHINGTON CO INDIANA	10	AFTN			0	0	4	0	SEVERE THUNDER-STORM
									Wind gust over 70 MPH caused damage to several buildings and trees as a line of severe thunderstorms swept through central north Kentucky reported 30 trees uprooted while windows, sheds and roofs were destroyed. Other reports of winds damage were received from Madison to Harrison Indiana.
KENTUCKY (continued)									
LIVINGSTON CO AND CALVERT CITY	10	11:00 AM			0	1	4	0	THUNDERSTORM FUNNEL CLOUDS
									Several houses were extensively damaged as thunderstorm winds up to 70 miles an hour swept through Calvert City. A boat store reported several boats overturned while a drive-in theater screen was destroyed. Major damage was 200 yards wide with other minor damage to tree limbs across other sections of the city. A funnel cloud was sighted however there were no reports of a touchdown.
CHRISTIAN CO	10	EARLY AFTN			0	0	3	0	THUNDERSTORM
									A severe thunderstorm moved through Christian Co damaging several farms. A Crofton Kentucky farmhouse was destroyed as were several trees and out buildings.
ADAIR CO AND COLUMBIA KY	10	AFTN			0	0	3	0	SEVERE THUNDER-STORM
									Considerable damage to the Pinewood Country Club and the Columbia IGS resulted as thunderstorms moved through. 85 golf carts were damaged at the country club while the roof of the IGS store was blown off.
OWENSBORO AND DAVIESS CO	10	12:54 PM							17 houses damaged, small trees down winds in excess of 60 MPH.
S W HENDERSON CO	10	12:36 PM							Heavy rain, trees down, winds in excess of 60 MPH.
BARREN CO	18	AFTN			0	2	3	0	LIGHTNING
									2 Park City men were injured when lightning struck the shed where they were working. The men had come in from the fields to escape the storm. Lightning struck the metal bed of the truck in which they were working. In Cave City the Jim Passmore residence was struck by lightning and caused a three foot hole in the roof.
HICKMAN CO NEAR CLINTON	18	12:45 AM			0	0	2	0	TORNADO SEVERE THUNDER-STORM
									A funnel cloud initially spotted in Missouri touched down 3 miles north of Clinton. Damage was to wooded areas only with several trees uprooted. Lightning associated with these storms also caused damage to several homes.
METCALFE, RUSSELL, WAYNE, PULASKI CO	18	AFTN			0	2	5	0	SEVERE THUNDER-STORM
									Severe thunderstorms moved through the south central part of the State late in the day. In Metcalfe a tree was blown into a house trailer. In Monticello in Wayne Co there were numerous reports of damage with power outages throughout most of the city. A warehouse under construction was reduced to rubble and roofs were stripped from the Tradeway Shopping Center. Over all counties large hail, up to golf ball size was reported with many large trees uprooted and power lines down.
PENNYRILE STATE PARK HOPKINS, CO	18	3:00 PM							Street flooding, highway and low areas flooded.
CALHOUN AND LIVERMORE AND McLEAN CO	18	3:30 PM							Some street flooding and highway underpasses flooded.
WESTERN 2/3 STATE	18				0	0	3	4	FLOODING, HEAVY RAIN AND THUNDER-STORMS
	19								Several separate lines of thunderstorms moved across the state producing extensive low land and urban flooding. Crops were hit hardest with several estimate of a 10 - 20 percent reduction in summer harvest due to ruined crops. Rainfall amounts ranged up to 5 inches with most rivers at or above flood stage.
CRITTENDEN CO NEAR MARIAN	18	11:00 PM			0	0	3	3	SEVERE THUNDER-STORMS
									Hail between 1 and 1 1/2 inch was reported near Marian Ky associated with severe thunderstorms
S HENDERSON CO	24	7:40 PM							Golf ball size hail, no damage reported.
E HENDERSON CO	24	7:45 PM							1 1/4 inch hail, broke a few garage windows.
CLAY, WEBSTER, AND UNION CO	26	4:00 PM							Low areas and Creeks flooded

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS		
												NO. OF PERSONS
KENTUCKY (continued)												
S OWENSBORO, DAVIESS CO	30	7:40 PM									WIND/HAIL	
			Golf ball site hail, roof of service station damaged.									
DAVIESS AND HANCOCK CO (LINE)	30	8:05 PM									WIND	
			Trees down.									
HENDERSON CO	30	9:20 PM									WATER	
			Canoe Creek put out of its banks, severe flooding in subdivisions.									
MUHLENBERG CO OHIO CO	30	10:18 PM EDT 10:40 PM						0	0	3	0	SEVERE THUNDER-STORM
			Houses were damaged by severe thunderstorm winds in Muhlenberg and Ohio counties. Several farm buildings were damaged when limbs from downed trees blew into them.									
HANCOCK, UNION CO	30	6:39 PM EDT						0	0	4	0	SEVERE THUNDER-STORM
			Golf ball site hail fell damaging a service station and minor damage to other buildings and cars along route 81 south of Owensboro.									
ENTIRE STATE EXCEPT NORTH EAST	27	EVENING						0	0	6	5	FLASH FLOODING/ RIVER FLOODING
			Significant flood damage occurred over most of the state except for the southeast. Damage was 100 percent in certain areas in which corn was planted. Immediately after the rain fell, urban flooding was common in major cities with the usual traffic problems.									
LOUISIANA												
Coastal parishes and coastal waters	4-5	7:35p., 4th -4:00 p, 10th						0	0	4	0	Funnel clouds, wind, rain, lightning and waterspouts
			An area of low pressure moved east through southern Louisiana and the coastal waters causing severe thunderstorms over most coastal parishes. Two barns were destroyed in strong winds near Abbeville, Calcasieu Parish, extensive street flooding in Crowley, Acadia Parish both around 7:35p on the 4th. Numerous power lines and trees were blown down throughout St. Charles Parish 4th on 5th. Numerous funnel clouds were reported in southeast Louisiana with waterspouts over Lake Borgne and Pontchartrain. Also lightning caused power outages and heavy rains caused urban flooding in St Tammany, Orleans, and St. Bernard Parishes from 1:30-4:00p on the 5th.									
Caddo, Bossier, and DeSoto Parishes	9	2:00-4:00 pm						0	0	4	?	Funnel clouds, wind and lightning
			A cold front moved out of east Texas spreading into west Louisiana. Winds in excess of 50 mph associated with three funnel clouds uprooted trees, downed power lines and damaged buildings in the three-parish area and lightning started a fire in a gas well storage tank south of Shreveport.									
Calcasieu & Vernon Parishes	9	7:00-8:00 pm						0	51	6	0	Severe Thunderstorm winds
			A cluster of severe thunderstorms moved through the three-parish area tearing up large signs and uprooting trees in Lake Charles. A giant tree fell into and damaged a home, the roof of a cinema was destroyed, and a mobile home was overturned injuring one person. Winds of 60 to 80 mph were recorded at the Lake Charles airport. Ten miles east of Lake Charles at Iowa the door was torn off an airport hangar and thrown into a parked airplane damaging it. Fifty people were treated at hospitals in Lake Charles for cuts from flying glass when plate glass windows were blown out. A ferris wheel at an amusement park was blown over onto a pickup truck, and an 18 wheel tractor-trailer rig was overturned in high winds. Roofs were blown off a warehouse and a bank in Lake Charles.									
Crowley, Acadia Parish	9	8:00p	0.1	120	0	0	4	0				Tornado
			Several buildings were damaged when a tornado touched down briefly knocking over trees and tearing up roofs.									
Iberia Parish	9	9:00p	0.1	70	0	0	4	0				Tornado
			A small plane parked at Acadiana Regional airport near New Iberia was ripped from its mooring lines and overturned by a tornado that also uprooted a large oak tree that destroyed a barn.									
Morehouse and Ouachita Parishes	9	8:00-9:00 pm						0	0	3	0	Severe thunderstorm winds
			A severe thunderstorm moved rapidly through Ouachita and Morehouse Parishes from Monroe to Met Rouge where numerous large trees were uprooted, plate glass windows destroyed, metal awnings damaged and roofs damaged by falling trees. Winds were reported to be greater than 60 mph at Monroe airport.									
LOUISIANA (continued)												
Northern half	13-14	10:30pm, 13th - 2am 14th						0	0	3	0	Hail and winds
			Severe thunderstorms moved east through northern portions of the state during the early morning hours uprooting trees and blowing down power lines from Sarcpta, Webster Parish to Haynesville, Claiborne Parish just before 11pm. Scattered light damage was reported in Caddo and Bossier Parishes as well. Hail up to one inch fell in Belmont, Sabine Parish; Cypress, Natchitoches Parish; and Newlight and Newleton, Tensas Parish from midnight to 3am.									
Lake Providence, East Carroll Parish	15	afternoon						0	0	2	0	Hail and winds
			Hail to 3/4" fell and several trees were uprooted in a severe thunderstorm.									
Houma, Terrebonne Parish	16	afternoon						0	0	3	0	winds
			A large tree was blown over onto a mobile home during thunderstorms.									
Union Parish	16	5:30pm	30	50	0	0	4	?				Tornadoes
			Two small tornadoes swept northeastward through Union Parish during the early evening touching down just south of Bernice and damaging several homes and out buildings and destroying numerous trees there and in Spearsville before moving on into Arkansas. The second tornado touched down near Farmersville and moved to the Arkansas border just north of Monroe and on to near Crossett Arkansas. Trees and homes were damaged in that tornado as well.									
North Louisiana	18	5:30-8pm						0	0	3	0	Funnel clouds, wind and hail
			Thunderstorms swept east through north Louisiana during the late afternoon and early evening spawning several funnel clouds and hail up to one inch from Lake Bistineau to Ringgold to Farmersville in Caddo, Bossier, and Union Parishes respectively. Also winds uprooted trees and 3/4 to one inch hail fell in Wardville, Morehouse Parish; Oak Grove, West Carroll Parish; Farmersville, Union Parish, and in Sterlington in Ouachita Parish. Winds destroyed windows in Oil City.									
Southeast Louisiana	19	8am-Noon						1	1	4	?	Lightning, winds urban flooding
			Wind and water damage was extensive in Thibodaux, St Charles Parish by 8:40am and very heavy rain caused widespread urban flooding in Houma, Terrebonne Parish at 10:00am. A man was killed when struck by lightning in his boat on Lake Robinson near Houma at 11am. Thunderstorms continued to move southeast through the area whipping across Grand Terre Island, at the Gulf of Mexico end of Jefferson Parish. A seaplane hanger was destroyed at the Louisiana Wildlife & Fisheries Marine Research Laboratory. Other buildings were also damaged there. The mayor of Pearl River, St. Tammany Parish was struck by lightning through the window of a home during a thunderstorm.									
Jackson, East Feliciana Parish	25	8:00pm	1	50	0	0	3	0				Tornado
			A tornado touched down about 8 miles south of Jackson ripping up trees for about a mile and striking a house destroying a small guest house and damaging a breezeway before returning to the clouds.									
MAINE												
												NONE REPORTED
MARYLAND & D.C.												
North Central and Northeastern Maryland	15	2:00 p- 5:00 p						1	1	5	0	Lightning, Hail Wind, Rain
			Activity associated with a strong cold frontal system first struck in the Westminster area where over 100 windows of a greenhouse were broken by hail. Later, in Severna Park, a 15-year-old youth was apparently struck by lightning as he was wheeling his bicycle for cover in his driveway. Attempts by a paramedic team to revive him were unsuccessful. Elsewhere, an Annapolis department store roof collapsed due to the weight of accumulated rain water...some localized flooding was reported in Cecil County...and lightning damaged the roof of a home in Greenbelt, slightly injuring the owner. Total damage estimate: around \$30,000 (\$10,000 hail; \$10,000 rain; \$5,000 hail; \$5,000 lightning).									
Elkton	15	4:09 p	1.5	25	0	2	6	0				Tornado
			Funnel first touched down in the southwest section of Elkton where the roof of a home was lifted and set back down at an angle...causing the home to be condemned by officials. Several persons reported seeing the funnel as it moved northeastward into the business district. A hardware store was demolished (\$300,000 to \$1,000,000 loss) and two customers received minor injuries from flying glass. Heavy damage was also inflicted upon an automobile agency and scattered less serious damage occurred. Total damage was estimated at around \$1,500,000.									
Montgomery County	31	1:30 a						0	0	4	0	Lightning
			Lightning during a night-time thunderstorm struck a home in the Damascus area. The resulting attic fire was noticed by an off-duty policeman, who alerted the sleeping occupants. A total of \$15,000 damage was done to the house and its contents.									

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					KILLED	INJURED	PROPERTY	CROPS	
MASSACHUSETTS									
NO DATA RECEIVED									
MICHIGAN									
Area bounded by Muskegon, Mt. Pleasant, Flint, Kalamazoo, and South Haven	10-11	6p-10a	2 to 5 inches of rain	over most of area, 6.51" at Grand Rapids. Roads and basements flooded throughout. Many roads washed out in Allegan, Kent, and Ionia counties. Structures damaged in Kalamazoo, Kent, and Ottawa counties. Train derailed in Kent County. Most of damage was in southern Kent County.			7	C	Flash Flood
Muskegon	29	5:56p				1	3		Lightning Man injured while working in garage.
Extreme southern portions Bertie, Cass, and St. Joseph Counties	29	7-11p				2	7	C	Flash Flood Two persons injured in partial collapse of bridge on US 12 just east of Niles. One other bridge and several roads washed out. Basements flooded. Roof of store caved in. Rainfall amounts 4 to 5 inches.
MINNESOTA									
Ivanhoe (Lincoln Co.)	2	1945 CST					3		Hail Golf ball size hail pelted the Ivanhoe area causing damage to windows, cars, and roof tile.
Perley (Norman Co.)	22	1530							Hail Civil Defense reported golf ball size hail in Perley.
Hawley (Clay Co.)	22	1622 CST							Hail National Weather Service Observer reported 3/4 inch hail.
Moorhead (Clay Co.)	22	1717 CST							TORNADO Public reported a funnel NE of Moorhead. It touched down briefly before receding into cloud. No damage reported.
Moorhead (Clay Co.)	22	1755 CST							Funnel Moorhead Police reported a funnel 1/2 mile north of Wall Street in north Moorhead.
Moorhead (Clay Co.)	22	1815 CST							Funnel The Highway Patrol reported a funnel cloud about 12 miles east-northeast of Moorhead, 3 miles north of Highway 10 or trunk Highway 9.
Western Clay and Norman Counties	22	Late afternoon & evening							Heavy rain/ Flooding Heavy rain began late afternoon and continued through the evening in Western Clay and Norman Counties. Nine to eleven inches were reported in the Sablin and Barnesville area of Southern Clay Co. The Buffalo River and several other streams flooded.
(Morrison Co.)	23	1804 CST							Funnel The Morrison County Sheriff reported a funnel cloud between Randall and Cushing in Morrison County.
Ostrander (Fillmore Co.)	23	1900 CST					4		Winds Strong wind blew over a large cow shed 1-1/2 miles north of Ostrander. A 61 mph wind was recorded at Spring Valley, approximately 5 miles north, at the same time as damage occurred.
(Renville Co.)	28	1409 CST							Funnel County Sheriff reported a funnel cloud between Bird Island and Hector north of Highway 212. Several trucks also reported a funnel over their CB's.
Ericsburg (Koochiching Co.)	29	1200 CST							Hail One-half inch hail covered the ground to a depth of 6 inches, stripping leaves off trees, in the vicinity of Ericsburg.
Duluth (St. Louis Co.)	29	1350 CST							Wind A 71 mph wind was reported at the Duluth International Airport. Several moments later a tin snuck was reported blown over in Suppior, WI.
MINNESOTA (continued)									
Dodge Center (Dodge Co.)	29	1500 CST							Funnel Rochester State Police Warning Point relayed a funnel cloud sighting by the public near Dodge Center.
Faribault (Rice Co.)	29	1535 CST							Hail Rice County Civil Defense reported heavy rain, gusty wind and golf ball size hail 3 miles north of Faribault.
Kasson (Dodge Co.)	29	1605 CST							Funnel The Byron Fire Dept. reported a funnel cloud 5 miles north of Kasson.
MISSISSIPPI									
Tchula (Holmes Co.)	9	550pm CST				0	0	0	0 Funnel Cloud A funnel cloud was sighted by the public near Tchula, or about 25 miles S of Greenwood.
7 N Indianola (Sunflower Co.)	18	11:5pm CST				0	0	0	0 Hail One-inch hail was reported at Sunflower.
5 E Greenwood (Leflore Co.)	18	20:2pm CST				0	0	0	0 High Wind Wind gusts of 63mph were reported at the Greenwood FAA Flight Service Station. No damage reports were received.
Carthage (Leake Co.)	18	4:25pm CST				0	0	0	0 Hail Golf ball size hail reported by police at Carthage.
Rankin County	18	7:00pm CST				0	0	0	0 Hail Three-quarter inch hail was reported near Florence and just south of Richland.
4 E Greenville (Washington Co.)	18	7:05pm CST				0	0	4	0 High Winds, Funnel Cloud A funnel cloud was sighted by the Mississippi Highway Patrol between Greenville and Island. Some wind damage was also reported in the Greenville area as heavy thunderstorms moved across Washington County. Scattered damage to trees and power lines occurred without any evidence that the funnel cloud ever touched down.
11 S Greenville (Washington Co.)	18	7:15pm CST				0	0	0	0 Hail One-inch hail was reported by the Greenville Police Dept.
8 N Brandon (Rankin Co.)	18	7:20pm CST				0	0	2	? Large Hail, High Winds Hail ranging in size from one to three inches was reported at several locations near the south end of the Ross Barnett Reservoir. Wind gusts of 66 mph were recorded at the reservoir tower on the dam as very heavy thunderstorms moved across the area.
Attala and Leake Counties	18	8:30pm CST				0	0	4	? Thunderstorms, High Winds Heavy thunderstorms moved across the two-county area, causing scattered damage to trees and power lines for the most part. Several businesses and homes sustained minor damage.
Choctaw Co.	18	9:00-9:25pm CST				0	0	4	? Thunderstorms, High Winds Heavy thunderstorms caused scattered damage mainly to trees and power lines across the county. Trees and power lines were blown down at Weir, or 8 WSW of Ackerman. Trees were also blown down in scattered locations from a few miles south of Ackerman to near the Winston Co. line along Highway 15.
6 NE Canton to 13 ENE Canton (Madison Co.)	18	9:05pm CST	7.3	300	0	1	5	?	Tornado A tornado struck the town of Sharon and continued on an intermittent track toward the east before lifting near the community of Farnham. The main damage was evident in Sharon, where a barn was destroyed, several roofs were damaged, and a considerable number of trees and outbuildings were heavily damaged or destroyed. About a mile east of Sharon, a small grocery store - Washateria was destroyed, and the owner was slightly injured. Several other structures, along with trees and power lines, were damaged as the tornado moved east, including another grocery store at Farnham. Property damage was estimated at \$75,000 to \$100,000.
Crystal Springs (Copiah Co.)	19	1:50am CST				0	0	4	0 Thunderstorm, High Winds Several businesses sustained damage from high winds as a line of heavy thunderstorms moved through the area. A few trees and power lines were also blown down.
6 N Gulfport (Harrison Co.)	19	7:30am CST				0	0	0	0 Funnel Cloud A funnel cloud was sighted by the public.

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					KILLED	INJURED	PROPERTY	CROPS	
MISSISSIPPI (continued)									
9 NE Pascagoula (Jackson Co.)	19	9:10pm CST			0	0	3	0	Thunderstorm, High Winds
		High winds destroyed a shed in the Franklin Creek Community near Presley Outing. Other minor damages were reported.							
Cleveland (Bolivar Co.)	30	11:30pm CST			0	0	5	0	Thunderstorm, High Winds
		A heavy thunderstorm produced high winds which damaged several businesses and private homes in Cleveland. Trees and power lines were also reported down.							
MISSOURI									NO DATA RECEIVED
MONTANA									
Fergus County	5/28	3PM local	1 1/2	100 yd	0	0	0	0	Tornado
		Tornado hit NE of Roly uprooting more than 100 trees							
Missoula, Lake, Granite, Powell, Jefferson, Lewis Clark, Broadwater Gallatin, Meagher, Wheatland, Golden, Valley, Petroleum Fergus, Judith Basin, Cascade	5/21-22				0	0	7	0	Heavy rains
		Prolonged rainy periods during the first half of the month over the Western half of the state left soils saturated. Heavy rains up to 5 inches fell over portions of the state on the 21st and 22nd causing record flooding in rural areas. Hardest hit areas: Helena Valley and Lewis and Clark County (10-mile; Prickly Pear Creek). Deer Lodge, Powell County (Cottonwood Creek). Belt, Cascade County (Belt Creek).							
Glacier County	5/20	evening			0	0			Flash Flood
		Washed out sections of U.S. 2 and Burlington Northern's main line west of Shelby.							
NEBRASKA									
Sarpy County	3	6:45 PM			0	0	0	0	Funnel Cloud
		A funnel cloud was reported vicinity of Offutt Air Force Base.							
Southwest through Northeast Nebraska	10	Morning			0	0	0	7	Freeze
		A hard freeze damaged wheat and early vegetables in an area from southwest through central into northeast Nebraska. An estimated 4.5 million bushels of wheat were lost. Damage was particularly heavy in central and southwest Nebraska. Some low temperatures... 22 at Valentine, 23 at Mullen; 24 at North Platte, 29 at Grand Island and 31 at Norfolk.							
Eastern Nebraska	11	Morning			0	0	0	7	Freeze
		A freeze damaged wheat and early gardens in eastern Nebraska. Temperatures dropped to 31 at Lincoln and Norfolk and 30 at Omaha, Eppley, Falls City and Beatrice. An estimated 6 million bushels of wheat were lost due to the cold.							
Keith County	11	10:00 PM			0	0	3	0	Lightning
		Lightning damaged police communication system just west of Ogallala.							
Dawson County	21	4:35 PM			0	0	0	0	High Winds
		Winds gusted to 60 m.p.h. in thunderstorms at Lexington. No damage reported.							
Saline County	22	7:50 PM			0	0	3	3	Damaging Winds and Hail
		Strong winds accompanied with 1/4 inch hail at Dorchester damaged crops and downed power lines.							
Seward and Lancaster Counties	22	8:00 PM			0	0	5	3	Damaging Winds and Hail
		Thunderstorm winds gusting to 60 m.p.h. blew over three mobile homes at Pleasant Dale. A garage and camper were damaged at Pawnee Lake 6 miles northwest of Lincoln. Half inch hail with the winds damaged crops.							
Saunders County	22	8:20 PM			0	0	?	3	High Winds and Hail
		Winds gusting to an estimated 60 m.p.h. and 1 inch hail were reported at Wahoo with some crop damage.							
NEVADA									NO DATA RECEIVED
NEW HAMPSHIRE									NO DATA RECEIVED
NEW JERSEY									
									NO DATA RECEIVED
NEW MEXICO									
Tucumcari, Quay County	6	5:30p			0	0	1	0	Tornado
		Small tornado touched down briefly five miles north of Tucumcari in open country with negligible damage.							
Gallup, McKinley County	29	7:15a			0	0	5	0	Lightning
		Lightning ignited fire in butane/propane tankcar loading facility at refinery. seven tankers destroyed along with contents. Extensive damage to loading equipment.							
NEW YORK									
COASTAL									NONE REPORTED
NEW YORK									
CENTRAL									NO DATA RECEIVED
NEW YORK									
WESTERN									
Van Etten, Chemung County	15	1 AM			0	0	4		Wind
		Strong winds from a heavy thunderstorm demolished a mobile home.							
NORTH CAROLINA									NO DATA RECEIVED
NORTH DAKOTA									
Grand Forks (Grand Forks County)	2	1:15 p CST			0	0	3	0	Lightning
		Lightning struck a church chimney peeling three to four feet off of the chimney's west wall.							
Fargo (Cass County)	22	5:12 p CST			0	0	0	0	Hail
		Hail up to 3/4 inch in diameter. No damage reported.							
OHIO									
Hopewell, Muskingum County	All times EST 10	8:45PM			0	0	4	0	High wind
		A thunderstorm with high winds downed trees in this rural community. Also severe roof damage was done to a farm complex.							
Gallipolis, Galia County	14	6PM			0	0	4	0	High wind
		A thunderstorm with strong winds downed several trees and did structural damage in the city of Gallipolis.							
Xenia, Green County	30	11:15AM			0	0	5	0	High wind
		A thunderstorm downed several trees and damaged houses and garages in the area, especially in suburban Bellbrook.							
Washington County	30	2:30PM			0	1	5	0	Lightning, High wind
		A thunderstorm did considerable damage in a 5 mile stretch between Bartlett and Barlow in the western part of the county. Dozens of houses and barns were damaged or destroyed. One man was injured as lightning struck a metal fence that he was touching.							
Entire State	1-31	---			0	0	8	8	Heavy Rain
		Above normal rainfall saturated the soil throughout the state. This caused farmers to be unable to get into the fields and some of the rain caused minor localized flooding.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 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	
OKLAHOMA									
Northwest	7	evening			0	0	?	?	Hail
									Hail mostly about marble size with some larger stones up to baseball and grapefruit size destroyed wheat pastures, killed livestock, damaged roofs, etc. The storms began near Buffalo in Harper County and moved from northwest to southeast toward Enid in Garfield County. The path varied in width up to ten miles. Exact estimate on damages impossible because the same area was hit the next night before a complete assessment could be accomplished.
Northwest	8	evening			1	25	7	C	Hail and Wind
									Winds up to 100 miles an hour and marble size hail struck the northwest area of the state. An oilfield worker suffered a broken neck and died when his trailer house was destroyed in Lavigne (Harper County). Numerous other trailer houses were damaged with about 25 people injured. A hanger and 13 airplanes were damaged or destroyed at Woodward. The combined damages on both the 7th and 8th was a loss of over 200,000 acres of wheat. Damage estimates for the two nights were set as high as \$18 million.
Kremlin, Garfield County	12	1:45 a			0	0	0	0	Funnel Cloud
Alva, Woods County	12	6:45 a			0	0	?	?	Wind
									Signs were blown down by high winds.
Newkirk, Kay County	12	9 a			0	0	0	0	Funnel Cloud
Helena, Alfalfa County	13	1 a			0	0	5	?	Hail
									Hail caused an estimated \$300,000 damage to a state training school.
Lula, Coal County	13	3:45 p	?	?	0	0	?	?	Tornado and Hail
									An O.U. chase team observed a tornado on the ground for several minutes in an uninhabited area east of Lula. Only reported damage was to trees. Baseball size hail accompanied the storm.
Lehigh, Coal County	13	4:10 p	4.0	100	0	0	?	?	Tornado
									An NSSL chase team observed a tornado near Lehigh, the tornado dissipated and reformed twice. Several outbuildings on two farms were destroyed.
Atoka, Atoka County	13	4:35 p	2.0	50	0	0	0	0	Tornado and Hail
									An NSSL chase team saw a tornado 4 miles northeast of Atoka. Golfball size hail accompanied the storm. The only reported damage was to trees.
Antlers, Pushmataha County	13	5:30 p	?	narrow	0	0	?	?	Tornado
									A small, short-lived tornado was reported by a chase team 5 miles west of Antlers. Minor damage to trees was noted.
Hugo, Choctaw County	13	7:18 p			0	1	5	0	Rain
									Estimated rainfall of near 2 inches in less than an hour caused the collapse of a roof on a store, after the water piled up on the flat roof. Damage estimated near \$0.5 million.
Blackwell, Kay County	17	2:25 p	12.0	narrow	0	0	?	?	Tornado
									The Tornado formed just northwest of Blackwell and moved on into Kansas, with damage reported in Arkansas City, Kansas. Little or no damage occurred in Oklahoma, the storm apparently intensified after it crossed the border.
Garber, Garfield County	17	3:30 p	1.0	narrow	0	0	?	?	Tornado
									The tornado touched down 2 miles east of Garber, it damaged trees and signs.
Dibble, McClain County	17	4:14 p			0	0	?	?	Hail
									Hail 3/4 inch in size was observed just west of Dibble. No figures on damage available.
Lake Hefner, Oklahoma County	17	4:17 p			0	0	?	?	Hail
									One inch hail observed near Lake Hefner. No figures on damage available.
Washington, McClain County	17	4:25 p			0	0	?	?	Hail
									Golfball size hail observed 3 miles north northwest of Washington.
Oklahoma City, Oklahoma County	17	4:25 p			0	0	?	?	Hail
									Golfball size hail observed at NW 50th and May Ave.
Marland, Noble County	17	4:30 p	1/2	narrow	0	0	?	?	Tornado
									The tornado touched down 5 miles east of Marland. Most of the damage was to trees.
OKLAHOMA (continued)									
Edmond, Oklahoma County	17	4:45 p			0	0	?	?	Hail
									Golfball size hail covered the ground at the NSSL RAOB site just northwest of Edmond.
Noble, Cleveland County	17	4:46 p	1.0	100	0	0	?	?	Tornado
									The tornado touched down 3 miles south southwest of Noble. Damage to trees began on the west bank of the S. Canadian River in McClain County and continued across the river into Cleveland County.
Noble, Cleveland County	17	4:55 p			0	0	?	?	Funnel Cloud and Hail
									A funnel cloud was observed just east of Noble. Golfball size hail did moderate damage to roofs, windows and gardens in Noble.
Edmond, Oklahoma County	17	5:00 p	3.0	50	0	0	5	?	Tornado
									The tornado touched down 2 miles southwest of Arcadia and traveled east northeast, dissipating just northwest of Lake Hiwassee. There was considerable damage to power lines, poles, and trees, also one mobile home was completely destroyed and a second had slight damage.
Norman, Cleveland County	17	5:24 p	1.0	100	0	0	?	?	Tornado and Hail
									The tornado touched down just south of Lake Thunderbird along Hwy. 9. One family abandoned a trailer house and took shelter in a culvert under the highway. Several cars were forced off the highway. Many trees were blown down along and north of the road. South of the tornado track a large number of trees and several outbuildings were blown down by strong straight winds from the west. Two inch hail accompanied the storm.
Tecumseh, Pottawatomie County	17	6:10 p	11.0	1/2	0	6	5	?	Tornado
									A tornado touched down 4 miles south southwest of Tecumseh and moved northeast for 6 miles, then turned north northeast for another 5 miles ending northwest of Earlsboro. There was considerable damage along the path with 2 large horse ranches destroyed (over 100 horses killed or injured), one house and 2 trailer houses destroyed, another 10 houses and a business were damaged. A half dozen minor injuries were reported.
Shidler, Osage County	17	6:15 p	2.0	75	0	0	4	?	Tornado and Hail
									A tornado touched down south of Shidler and moved northeast. Damage in and around Shidler, estimated in the thousands of dollars, included roofs, windows, and trees. Golfball size hail accompanied the storm.
Seminole, Seminole County	17	6:45 p	3.0	200	0	0	5	?	Tornado
									A tornado touched down 4 miles north northwest of Seminole and moved northeast for 3 miles dissipating 1 1/2 miles south southwest of Little. A horse ranch was heavily damaged, three houses damaged, and several outbuildings were destroyed.
Okemah, Okfuskee County	17	7:00 p	35.0	800	0	2	6	?	Tornado and Hail
									A long track tornado began 2 miles south southeast of Little in Seminole County, moved northeast into Okfuskee County, passed north of Okemah about 7:35 pm est, and finally dissipated at the west edge of Lake Okmulgee in Okmulgee County. Damage included houses, trailer houses, outbuildings, livestock, cars, a church, trees, etc. Softball size hail accompanied the storm.
Boulangerville, Osage County	17	7:00 p	?	?	0	0	?	?	Tornado
									A private chase team watched a tornado for several minutes in open county 20 miles north northeast of Pawhusk.
Boulangerville, Osage County	17	7:20 p	7.0	1.0	0	0	?	?	Tornado
									A private chase team watched a tornado form near the Oklahoma/Kansas border in north Osage County. At times, the tornado was very large, perhaps a mile wide at the ground according to visual estimates. The tornado roar was audible from several miles away. The tornado moved northeast into Kansas.
Cromwell, Seminole County	17	8:10 p	15.0	1/2	0	0	4	?	Tornado
									A tornado touched down southwest of Cromwell and moved northeast to just northeast of Okemah. Damage included a church, outbuildings, trees (including a fruit orchard), etc.
Morris, Okmulgee County	17	8:45 p			0	0	0	0	Funnel Cloud
Braggs, Muskogee County	17	10:00 p	?	?	0	0	?	?	Tornado
									A small tornado left a damage path through the trees in Greenleaf State Park.
Cookson, Cherokee County	17	10:45 p			0	0	0	0	Funnel Cloud
Stillwell, Adair County	17	11:55 p			0	0	0	0	Funnel Cloud

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (continued)									
Cordell, Washita County	22	4:17 p	6.0	200	0	0	5	?	Tornado
									A tornado touched down 2 miles northwest of Cordell and moved northeast dissipating east of Hessie. Damage included a mobile home, barns, etc.
Cloud Chief, Washita County	22	5:20 p			0	0	?	?	Hail
									Hail mostly golfball size ranging up to baseball size destroyed 7-8000 acres of wheat. Exact figures on the dollar amount unavailable.
Lake Valley, Washita County	22	5:25 p	1.0	50	0	0	?	?	Tornado
									A tornado touched down briefly 2 miles east of Lake Valley. The only reported damage was to trees.
Cowden, Washita County	22	6:07 p	5.0	300	0	0	?	?	Tornado
									A tornado formed 3 miles east southeast of Cowden and moved north northeast along an irregular path. Trees, power poles, and wheat, a house, and outbuildings were damaged. Golfball size hail accompanied the storm.
Arapaho, Washita County	22	6:15 p	?	?	0	0	?	?	Tornado
									A tornado touched down southwest of Arapaho. A small business, a house, and outbuildings were damaged.
Ft. Cobb Lake, Caddo County	22	6:29 p	?	?	0	0	?	?	Tornado
									A small tornado formed near the Swan Lake Community on the northeast shore of Ft. Cobb Lake. The tornado lasted only a short time and the only damage was to trees and outbuildings.
Mountain View, Kiowa County	22	6:30 p	10.0	100	0	0	?	?	Tornado
									The tornado touched down north of Mtn. View and moved to the northeast, dissipating about 6 miles to the north of Alfalfa in Caddo County. Damaged were houses, outbuildings, equipment, crops, etc.
Clinton, Washita County	22	6:30 p	10.0	200	0	0	6	?	Tornado
									The tornado touched down near Foss Dam. First it moved east and then turned northeast. It dissipated just to the west of Arapaho. Several farms sustained damage to houses, outbuildings, and equipment. Also damaged were trees, crops, and utility poles. No exact figures were available, although damage at one farm alone was expected to be near \$1 million.
Binger, Caddo County	22	6:45 p	115.0	1900	0	0	6	?	Tornado
									The very large tornado formed a mile west of Binger and moved northeast, it dissipated in the S. Canadian River Bed 11 miles west and 3 miles north of Union City in Canadian County. This was a large, intense tornado creating projectiles from refrigerator, automobiles, trucks, combines, and utility poles. Dead cattle were found up in denuded trees. Large oil storage tanks, butane tanks, and motor vehicles were moved up to 1/2 mile by the winds. Damages were extensive, but exact figures were unavailable at the time of this report. (It should be noted that all families in the path of this tornado had under-ground shelters.)
Clinton, Washita County	22	7:00 p	?	?	0	0	?	?	Tornado
									A tornado was reported by a private chase team and other witnesses to the northwest of Clinton. The tornado was on the ground for about 5 minutes mostly over open country. No figures available on damages.
Union City, Canadian County	22	7:32 p	2.0	100	0	0	?	?	Tornado
									A tornado touched down 4 miles west and 3 miles north of Union City. Along a 2 mile damage path, the tornado destroyed 3 barns and downed utility poles. No exact figures were available on damages.
Clinton, Washita County	22	7:55 p	7.0	300	0	12	7	?	Tornado
									The tornado touched down near the Clinton Cemetery, moved north-eastward through part of the city, across the small airport, and dissipated east of Arapaho. Damage was estimated near \$10 million.
Yukon, Canadian County	22	8:00 p			0	0	?	?	Funnel Cloud and Wind
									Tree, roof, and window damage was reported in Yukon, no estimate given.
Bethany, Oklahoma County	22	8:30 p			0	0	0	0	Funnel Cloud
Edmond, Oklahoma County	22	9:00 p			0	0	0	0	Funnel Cloud
Greenfield, Blaine County	22	9:30 p	?	?	0	0	?	?	Tornado
									The tornado touched down 9 miles southwest of Waponga or 5 miles straight west of Greenfield, and moved to the southeast. Several farms were damaged, however no estimate of damages were available. The tornado was fairly intense, at one farm it ripped out five-foot deep concrete moorings around the poles of a barn that was also destroyed.
OKLAHOMA (continued)									
Hominy, Osage County	23	1:00 a	?	?	0	0	?	?	Tornado
									A tornado caused damage to outbuildings, trees, and power lines on a farm near Hominy.
Bristow, Creek County	23	afternoon	?	?	0	0	0	0	Tornado
									A tornado reportedly touched down in a field 2 miles east of the city. There was no report of damage.
Bristow, Creek County	23	afternoon			0	0	0	0	Funnel Cloud
Walters, Cotton County	23	2:30 p			0	0	?	?	Hail
									Golfball size hail was reported at Walters.
Comanche, Stephens County	23	3:00 p			0	0	?	?	Hail
									Golfball size hail was reported at Comanche.
Elmore City, Garvin County	23	3:40 p			0	0	?	?	Hail
									One inch hail reported just west of Elmore City.
Elmore City, Garvin County	23	3:55 p			0	0	?	?	Funnel Cloud and Hail
									Tennis Ball size hail was reported at Elmore City. Also a funnel cloud was sighted.
Wynnewood, Garvin County	23	4:00 p	2.0	50	0	0	?	?	Tornado
									The tornado touched down east of Katie and moved slowly eastward, dissipating west of I-35. Damaged were a horse ranch, mobile homes, barns, trees, etc; no exact figures available.
Lenapah, Nowata County	23	4:30 p	?	?	0	0	?	?	Tornado
									A small tornado was reported on the ground near Lenapah. No estimate of damages given.
Sulfer, Murray County	23	5:05 p	?	?	0	0	?	?	Tornado
									The tornado touched down on the Sulfer Hills Golf Course. Trees and a barn were damaged.
Tecumseh, Pottawatomie County	23	5:20 p			0	0	0	0	Funnel Cloud
Shawnee, Pottawatomie County	23	5:25 p	?	?	0	0	?	?	Tornado
									A tornado caused damage in Twin Lakes camping area. No estimate given on damages.
Shawnee, Pottawatomie County	23	5:30 p	?	?	0	0	?	?	Tornado
									A tornado was spotted north of I-40 near Kickapoo St. No estimate given on damages.
Copan, Washington County	23	5:30 p	25.0	100	0	?	?	?	Tornado
									The tornado touched down one mile east of Copan, then moved east northeast near Wann, South Coffeyville, and on into Kansas. Damage estimates impossible as second tornado occurred in the same area within minutes.
South Coffeyville, Nowata County	23	5:35 p	5.0	100	0	6	5	?	Tornado
									A tornado touched down within about a mile of the track of the above tornado. Total estimated damages and injuries of the two storms; 6 injured and \$300,000. damage.
Durant, Bryan County	23	6:58 p	?	?	0	0	6	?	Tornado
									Tornado first reported 6 1/2 miles northwest of Durant moving southeast. It then moved along the west edge of Durant toward Calera. Damage was estimated to be near \$5 million.
Lake Texaco, Bryan County	23	7:00 p	?	?	0	0	?	?	Tornado-Waterspout
									A waterspout was reported on Lake Texaco. One oil well in the lake was damaged and some boats were damaged. No estimate on damages.
Colcord, Delaware County	23	7:18 p	?	?	0	0	?	?	Tornado
									A tornado caused damage to trees, power lines and several buildings between Colcord and the Arkansas state line. No estimate on damage.
McAlester, Pittsburg County	23	night			0	0	?	?	Wind
									Some 300 trees in the McAlester area were damaged by the wind. No estimate was given on the damages.
Payne and Pawnee Counties	28	1:00 p			0	0	?	?	Wind, Hail, and Rain
									Winds near 100 miles an hour were observed in the Cushion and Yale areas. Damages to roofs, windows, trees, etc were extensive. Aled several roads were damaged due to flooding.
Braggs, Muskogee County	28	3:45 p	?	?	0	0	?	?	Tornado
									A tornado was reported near Greenleaf Lake. Only reported damage was to trees.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (continued)									
Kiefer, Creek County	28	afternoon			0	0	0	0	Funnel Cloud
Martha, Jackson County	28	evening			0	0	?	?	Wind
			High winds caused damage to trees and power lines.						
Mangum, Greer County	28	evening			0	0	?	?	Lightning
			A horse was killed by lightning.						
Hobart, Kiowa County	28	7:00 p	?	?	0	0	?	?	Tornado
			A cotton gin, a barn, and several utility poles were damaged by a tornado. No estimate of damages available.						
Waurika, Jefferson County	28	9:15 p			0	0	0	0	Funnel Cloud
Walters, Cotton County	28	night			0	0	?	?	Wind
			Winds during the night caused extensive damage to several barns and the loss of several utility poles.						
OREGON									
Rogue Valley	17	5 PM							Wind storm - downed power lines
Umatilla County	1	8:30 PM	UNK	UNK	0	UNK	UNK	UNK	Hail storm - hail, water and wind damaged pea and wheat crops and uprooted many trees. Hail reported the size of golf balls also broke windows and damaged cards.
PENNSYLVANIA EASTERN									
Eastern Pennsylvania	11	1 AM to 11 PM EDT			0	0	4	0	Heavy Rain, Wind, Electrical
			Steady rain, which was occasionally heavy, fell through the early part of the day then thunderstorms developed in the afternoon and evening. Considerable roadway flooding resulted with some stream flooding and some basements were flooded. Rainfall amounts of 1 to 1.5 inches fell over much of the area with 2 to over 3 inches in some locations. Wind gusts with the thunderstorms downed trees and utility lines with one tree falling on an automobile. Over 10,000 customers experienced power outages. Lightning struck numerous buildings causing some structural damage even though no significant fires were started.						
Eastern Pennsylvania	15	2 PM to 11 PM EDT			0	1	4	0	Heavy Rain, Wind, Electrical
			Thunderstorms over Eastern Pennsylvania caused rainfall of over 1 inch over much of the area. Considerable roadway flooding resulted. Lightning strikes resulted in several fires with extensive damage to a mansion in Dunmore, Lackawanna County and minor damage at two other locations. Wind gusts brought down tree limbs and utility lines, and caused extensive damage and one injury at an arts fiesta in the town square in Wilkes-Barre.						
PENNSYLVANIA WESTERN									
Jefferson County	11	10 45am	0	0	0	0	4	?	Tornado
			A small tornado briefly touched down in Reynoldsville. It knocked over some trees which damaged a house and 2 cars.						
Morcer County	14	4 30pm	0	0	0	0	5	?	Strong winds
			Ten miles southeast of Sharon, Pa., in Lackawanna Township, strong winds completely leveled a farm barn and destroyed expensive farm machinery inside.						
PUERTO RICO									
			NONE REPORTED						
SOUTH CAROLINA									
2 NW Hyman Florence County	27	9 PM	4	100 Yd	0	6	4	2	Tornado
			Tornado touched down 2 miles northwest of Hyman area, near S.C. 51, and moved northeast destroying several tobacco barns, chicken farm, 4 mobile homes, and large frame house.						
Near Galavants Ferry	27	6:20 PM	-	-	0	0	3	0	Thunderstorm
			Thunderstorm with high winds and hail caused considerable minor damage to trees roofs and farm buildings.						
Piedmont	31	8 PM	-	-	0	0	3	0	Thunderstorm
			Thunderstorm uprooted several trees and damaged three cars and several homes.						
Pelion	31	7 PM	-	-	0	0	4	0	Lightning
			Thunderstorm set two homes afire.						
Santee	31	3 PM	-	-	0	0	3	0	Lightning
			Lightning destroyed 2 mobile homes and caused considerable disruption to utilities.						
TENNESSEE									
Southwest of Quito, Tipton County	9	1:55 p.	.2	40			1		Tornado
			A small tornado came from a thundersform and touched down briefly twisting the tops out of trees, tipping over a small shed, and scattering loose objects around. The funnel was observed by a man and his grandson.						
North Loudon County and West Knox County	14	5:00 p.							Hail, funnel cloud
			Golf-ball-sized hailstones were reported in this area and a funnel cloud was reported by a pilot.						
Near White House, Robertson County	17	7:10 a.	.4	50			4	?	Tornado, hail
			A small early morning tornado hoppedscotched 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.						
Nashville, Davidson County	18	2:00 p.					1		Lightning
			Lightning struck a building housing doctors' offices injuring a teenager. The young man was in the bathroom when the lightning apparently struck the building running in on the water pipes. He sustained burns to his neck, chest, and thighs.						
Karns Community, Northwest Knox County	27	6:40 p.	.4	40			4	?	Tornado
			A small tornado touched down briefly causing damage mainly to trees and power lines. One barn was destroyed and about 30 square feet of a shouse roof was ripped off. The tornado was moving east-north-east, and a funnel cloud was observed by several people leaving a prayer meeting at the Grace Baptist Church.						
Murfreesboro, Rutherford County	30	1:00 p.					1		Wind
			A tree was blown down by high winds falling onto a pickup truck. Two young girls riding in the truck bed were thrown out of the truck injuring one of them.						
Oak Ridge, Anderson County	30	1:30 p.							Hail
			Half to three-quarter inch hail fell on Oak Ridge. Reports indicated that the hail lasted for 13 minutes.						
Mascot, Knox County	30	Aftn					3		Lightning
			Eight black Angus cows were killed by lightning as they huddled together under a large sycamore tree.						
Tellico Lake Area, Louden County	31	3:30 p.							Funnel Cloud
			Two funnel clouds were observed by members of the Louden County Rescue Squad.						
Bartlett, Shelby County	31	4:48 p.							Funnel cloud
			A funnel cloud was observed by the public in the area of Whitten Road and Summer Avenue just northeast of Memphis.						
Millington, Shelby County	31	5:00 p.					?		Hail
			Half-inch hail was reported with a thunderstorm at the Millington Naval Air Station. The same thunderstorm had produced half-inch hail and wind gusts to 55 miles an hour at the West Memphis, Arkansas airport. Four and one-half inches of rain fell on Millington.						
North of Somerville, Fayette County	31	6:00 p.							Funnel Cloud
			A funnel cloud was reported north of Somerville.						
TEXAS NORTHERN									
			NO DATA RECEIVED						
TEXAS SOUTHERN									
			NO DATA RECEIVED						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1981

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
WESTERN									
El Paso, El Paso County	1	1:20p			0	0	0	0	Funnel Cloud
		A funnel was sighted by Weather Service personnel near the airport terminal. The funnel lasted approximately 5 minutes.							
Southeastern Irion County	1	7:17p			0	0	0	0	Flash Flood
		Department of Public Safety personnel reported water 3 to 4 feet deep at FM 913 where it intersects Dove Creek. The road was closed at 8 p.m. and was reopened at 9:40 p.m. No damage was reported.							
Ralls, Crosby County	4	4:05p			0	0	0	0	Hailstorm
		A line of thunderstorms developed at approximately 3 p.m. across Lubbock, Crosby and Dickens Counties. Some strong winds and heavy rain were reported. The public, at Ralls, reported 3/4 inch hail at 4:05 p.m. as a storm moved northward across the city. No damage was indicated.							
Brownfield, Terry County	4	6:57p			0	0	0	0	Hailstorm
		A very strong thunderstorm developed in south central Terry County at approximately 5 p.m. The storm increased steadily in vertical and lateral extent and at 6:57 p.m. it began to produce hail in southern Terry County. Most hail was marble size with some golfball size reported. Damage is not known.							
Stiles, Reagan County	5	6:40p			0	0	0	0	Hailstorm
		A strong thunderstorm produced hail as large as golfballs near Stiles. Most of the hail was pea to marble size. No damage was reported.							
Stratford, Sherman County	6	7:25p			0	0	?	?	Hailstorm
		A strong thunderstorm, just to the east of Stratford, produced baseball-sized hail 7 miles east of the city. Damage was not known.							
Gruver, Hansford County	6	7:59p	.5	30	0	0	0	0	Tornado, Hailstorm
		A thunderstorm that developed in the western portion of Hansford County near 6 p.m. moved eastward at 20 mph. When 5 miles west of Gruver, at 7:59 p.m., it produced strong winds followed by heavy rain and golfball-sized hail. At 8:20 p.m. a small tornado was produced just east of Gruver. The tornado touched down briefly, then retreated back into the clouds. No damage was reported.							
Marathon, Brewster County	7	4:15p	1	30	0	0	5	0	Tornado, Hailstorm
		A small tornado developed from a thunderstorm just south of Marathon. The tornado struck the south side of the town, moving slowly to the east. The tornado destroyed telephone and TV lines on the southeast side of town. The tornado was preceded by an inch of rain, high wind and 3/4 inch hail.							
Crosby County	7	4:55p	5	40	0	0	0	0	Tornado
		5:00p	1.5	40	0	0	5	0	Tornado
		5:34p	1	30	0	0	5	0	Tornado
		5:54p	.5	20	0	0	0	0	Tornadoes (4)
		5:54p	2	150	0	0	5	0	Tornado
		A very strong thunderstorm that developed in western Crosby County produced numerous tornadoes and considerable damage.							
		The first tornado formed 1 mile southwest of Ralls. A citizen living nearby was able to take excellent photographs while keeping detailed notes on the tornado. The following is a summation of the notes: Calm winds and a "dead-like" silence preceded the funnel that developed just southwest of Ralls at 4:55 p.m. There was no visible connection to the ground for the first 3 minutes although dust and debris were visibly being lifted upward beneath the visible funnel in quite a wide area. The stationary funnel lowered to the ground and expanded rapidly when it touched the ground. Hail and heavy rain appeared to be taking place in advance of the tornado. The tornado itself moved with varying speed but with quick deliberate changes of direction and intermediate stops. The tornado first moved westward, although the parent thunderstorm was moving to the northeast, until it was located directly above the swirling debris on the ground. At this time, it was about 40 yards wide. It began moving toward the northeast, then turned northward for the remainder of its life. It lasted 11 minutes and had a path length of approximately 5 miles. During its life, it changed little in width although its appearance varied from an initial dark black funnel to a thin white thread (as it passed the observer) to a greenish white color as it moved northward and finally whitish with darker areas as it began to lift back into the thunderstorm and disappear.							
		The next tornado report came from the Caprock area, some 12 miles south of Ralls. A small tornado moved northeastward across the town destroying one home and part of a cotton gin. In addition, it damaged 90 trailers and 4 cotton strippers just south of the town. No crop damage was reported.							
		The third tornado occurred at 5:34 p.m. approximately 1 1/2 miles northeast of Ralls. It touched down only briefly, but destroyed a barn and damaged a house. No injuries occurred.							

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
WESTERN									
		The next severe weather occurrence was 5 miles east of Ralls at 5:54 p.m. as five small tornadoes were observed in a cluster. All but one were very small, causing no known damage. The larger one destroyed a home and barn then moved northeastward destroying a second storage barn. It was preceded by heavy rain and baseball-sized hail.							
Floyd, Motley Counties	7	5:15p	short	narrow	0	0	0	0	Tornado
		5:25p			0	0	5	5	Hailstorm
		A thunderstorm that developed in northwestern Floyd County at 5 p.m. produced a small tornado near Sterley. The tornado was small and touched down only briefly before disappearing back into the parent storm. The storm also produced hail as large as golfballs in a small area near Lockney at 5:25 p.m. The storms moved into western Motley County about 5:30 p.m. and began producing baseball-sized hail in Matador with patchy golfball-sized hail at Whiteflat shortly afterward. Damage was reported to have occurred mainly to vegetation and glass in the hail area and are only an estimate.							
Sanderson, Terrell County	7	5:30p			0	0	0	0	Hailstorm
		A thunderstorm that moved into Sanderson from the west produced a brief shower of golfball-sized hail. No damage was noted.							
Cottle, Crosby Counties	7	7:30p			0	0	0	0	Flash Flooding
		The combination of thunderstorms continuing across the same path for over two hours produced rains estimated at 2 to 4 inches over northeastern Crosby and southern Cottle Counties. Water covered FM 93 and Highway 83 in several places. No damage was reported.							
Spur, Dickens County	7	8:30p			0	0	0	0	Hailstorm
		Golfball-sized hail fell 1 mile south of Spur as reported by the Police Department. The duration was very brief.							
Snyder, Scurry County	7	9:30p			0	0	5	3	Wind, Hailstorm
		Strong winds, from a severe thunderstorm just west of Snyder, blew a roof off a garage and blew down the wall of a bar wash. Numerous power lines were reported down in Snyder, and a camper was blown into another vehicle. One porch was destroyed and four other roofs damaged. Patchy hail, as large as golfballs, was reported between 5 and 10 miles east of Snyder.							
Lipscomb County	8	7:45p			0	3	5	4	Windstorm
		8:20p			0	5	5	3	Windstorm
		A severe thunderstorm developed in eastern Ochiltree County near 7 p.m. and moved eastward. At 7:45 p.m. it produced very strong winds that rolled a mobile home nearly 50 feet before it came to rest on a tractor. Three of the occupants in the home were taken to a hospital for minor injuries. They were partially protected by a dryer which held up the collapsing wall. The father crawled through the debris and walked nearly 1 1/2 miles in darkness to find help. Debris was scattered by the storm along a straight path for nearly a mile.							
		The same storm continued to move eastward and again produced very strong winds near Fullett. Two aircraft, a car and a mobile home were destroyed by the wind. Heavy rain was reported with the storm. Five persons inside this mobile home were hit by flying glass and wood. Injuries reported were fractures, cuts, a cracked shoulder and a slight concussion.							
Canadian, Hemphill County	8	10:30p	1	30	0	0	4	0	Tornado
		A small and short-lived tornado struck just northwest of the City of Canadian. It damaged an antenna, destroyed several trees and damaged a roof. No injuries were reported. It lifted quickly back into the cloud and disappeared.							
Irion, Tom Green Counties	15	6:25p			0	0	5	6	Hail, Windstorm
		6:30p	1	40	0	0	0	0	Tornado
		7:25p	.5	20	0	0	0	0	Tornado
		The storm that produced damage near Mertzon was first sighted by radar near Fort Stockton around noon. The storm moved to a position 10 miles west of Mertzon at 6 p.m., took a dramatic turn to the right and began moving eastward across Irion and Tom Green Counties. At 6:25 p.m. Department of Public Safety personnel reported 75 to 80 mph winds in Mertzon and at 6:30 p.m. Tower Personnel at Mathis Field sighted a tornado just west of the field. The tornado touched down briefly and disappeared back into the storm. As the storm proceeded eastward, marble-sized hail began falling near San Angelo at 6:45 p.m. with golfball-sized hail just west of Mathis Field.							
		The storm continued moving eastward and at 7:15 p.m. an amateur radio spotter reported hail to marble size covering the ground 2 miles west of Wall. At about the same time baseball-sized hail was reported just south of Wall by other amateur radio spotters. At 7:25 p.m. the public sighted a tornado 1 mile north of Christoval that again briefly dropped to the ground and then returned to the parent thunderstorm. Almost 50 percent of the wheat was destroyed in Irion and Tom Green Counties with damage estimates placed at near \$200,000 in wheat damage alone.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1981

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (FARMS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
WESTERN South Plains, Floyd County	24	11:58a	small	narrow	0	0	0	0	Tornado
			The public reported a small, short-lived tornado 6 miles northwest of the community of South Plains. The tornado was moving toward the northeast. It caused no damage.						
Lubbock, Lubbock County	24	12:10p	short	narrow	0	0	0	0	Tornado
			The public reported a tornado just west-northwest of Reese AFB, near Lubbock. National Weather Service radar confirmed the possibility of the tornado. The tornado was small and caused no damage.						
Lubbock, Hale Counties	24	12:59p	.5	30	0	0	4	6	Tornado, Hailstorm
			A thunderstorm, just to the west of Reese AFB, began producing hail up to golfball size just west of Reese. At 1:04 p.m. an amateur radio spotter reported a small tornado coming from the rear of the storm as it was approaching the western side of the City of Lubbock. The tornado was also reported by the public. It was short-lived and caused no known damage.						
			The storm continued slowly southeastward producing golfball-sized hail near Woodrow (just south of Lubbock) shortly after 2 p.m. Most of the hail was reported to be povering the ground up to 2 inches deep in extreme southern Lubbock County along US 87. Up to 1 1/2 inches of rain also fell in the storm. The storm continued into Crosby County with golfball-sized hail reported near Lorenzo at 3:10 p.m.						
			The storm system destroyed 60,000 to 80,000 acres of cotton in Lubbock and Hale Counties with the damage concentrated from near Abernathy to Petersburg, in Hale County, on the north side to a line from near Reese AFB to near Idalou, in Lubbock County, on the south side. Property damage was minimal.						
Paducah, Cottle County	24	4:30p			0	0	0	4	Flooding
			The thunderstorm complex moved into western Cottle County just before 4 p.m. producing 2 to 4 inch general rains over the county. Pea- to marble-sized hail accompanied the storm. The runoff from the storms caused Buck Creek to overflow, with water 2 to 3 feet deep over FM 2278. Water and mud was also reported covering a portion of US 83, some 5 miles south of Paducah. Lightning struck the Civil Defense Tower during the storm and caused minor damage. Minor damage was also reported to wheat crops in the flooded area.						
Steagall, Bailey County	24	4:01p	small	narrow	0	0	0	0	Tornado
			A small tornado was sighted by the Steagall Fire Department in an open field. The tornado caused no damage.						
Childress, Childress County	26	3:35p			0	0	5	0	Lightning
			Lightning struck a home in Childress during an intense storm. No injuries occurred, but extensive damage was done to the home.						
Morse, Hansford County	26	4:20p			0	0	0	0	Hailstorm
			The public reported golfball-sized hail in a severe thunderstorm at Morse. The hail did not last long and was mostly pea to marble size. No damage was indicated.						
White Deer, Carson County	26	5:58p			0	0	?	?	Hailstorm
			Spotty golfball-sized hail was reported at White Deer in a severe thunderstorm. Damages were not known.						
Briscoe, Motley, Cottle Counties	26	7:00p	short	narrow	0	0	0	0	Tornado
		7:20p	1	30	0	0	0	0	Tornado
		8:03p			0	0	0	0	Funnel Cloud
		8:16p			0	0	0	0	Funnel Cloud
		8:54p	.5	30	0	0	0	0	Tornado
		9:40p	.5	20	0	0	0	0	Tornado
			The severe thunderstorm that produced four known tornadoes and two funnel clouds developed just north of Clovis, New Mexico, just before 2 p.m. The first indication of severe weather was received at 7 p.m. when the Civil Defense at Quitaque reported a small tornado in open country preceded by golfball-sized hail. The storm turned just beyond Quitaque, moving now toward the southeast at 20 mph. At 7:20 p.m. a second tornado was reported by private aircraft in the storm. It dipped quickly toward the ground, touched down for nearly a mile, then disappeared. As the pilot continued to observe the storm, a large wall cloud appeared underneath its rear base. At 8:03 p.m. a small funnel developed from the wall cloud but did not touch the ground before it quickly disappeared. A second funnel formed on the southeast side of the wall cloud at 8:16 p.m. just north of Whiteflat. It was also short-lived. At 8:54 p.m. the public reported a tornado 8 miles north of Matabor from the same storm. No further information was received regarding the tornado. The last report of severe weather came from the Paducah Fire Department as the storm moved across Cottle County. A tornado was sighted in a distant field 8 miles north of Paducah. The tornado was moving toward the east but caused no known damage. Shortly afterward, the storm dissipated.						
TEXAS (continued)									
WESTERN Tam Anne, Castro County	28	2:30p			0	0	4	6	Hailstorm
			Hail was reported by Civil Defense to have fallen in a strip from 1 mile to 5 miles southeast of Tam Anne and 1/4 miles wide. The storm produced only marble-sized hail, at largest; but the hail covered the ground to nearly 6 inches deep and was accompanied by heavy rain. Heavy damage was reported to crops in the hail area. Only minor damage was reported to property in the area.						
Hockley County	28	2:14p			0	0	0	0	Funnel Cloud
		2:14p	.5	20	0	0	0	0	Tornado
		2:30p			0	0	5	0	Lightning
			A severe thunderstorm that developed in southeastern Cochran County, just before 2 p.m., moved northeastward into Hockley County. At 2:14 p.m., it produced twin funnel clouds some 3 miles southwest of Levelland. Only one of the funnels later touched the ground. Its connection was very brief and occurred in an open field; causing no damage. Small hail was reported in the storm. A lightning bolt from the storm, shortly after the funnel and tornado disappeared, struck and ignited two oil storage tanks.						
Reese AFB, Lubbock County	28	2:29p			0	0	0	0	Hailstorm
			Golfball-sized hail was produced by a strong thunderstorm 1 mile east of Reese AFB. The hail was accompanied by heavy rain, but was confined to a small horizontal extent and caused no known damage.						
Paducah, Cottle County	28	2:39p			0	0	0	0	Funnel Cloud
			A funnel cloud was observed 10 miles north of Paducah by a private pilot. No confirmation was available from the ground.						
Brownfield, Terry County	28	3:15p			0	0	0	0	Hailstorm
			A brief occurrence of golfball-sized hail, in Brownfield, was reported by the Civil Defense Office. No damage occurred.						
Dickens, Dickens County	28	4:20p			0	0	?	?	Hailstorm
			A strong thunderstorm that developed rapidly in northern Dickens County produced golfball-sized hail and high winds 10 miles east of Dickens. Damage information was not available.						
Childress, Childress County	28	5:04p			0	0	0	0	Windstorm
			Strong winds were reported by personnel at the Childress Airport from a cluster of thunderstorms located to the southwest of the terminal. The highest gust recorded was 74 mph. Brief heavy rain was also reported in the storm.						
Aspermont, Stonewall County	28	7:10p			0	0	0	0	Funnel Cloud
			A short-lived funnel was reported by the public 10 miles northwest of Aspermont. The funnel was moving toward the east-southeast at 15 mph. Strong straight-line winds from the accompanying thunderstorm were reported by the Sheriff's Department in the City of Aspermont just prior to the sighting of the funnel. No damage occurred.						
Midland, Ector Counties	28	8:48p			0	0	0	0	Funnel Cloud
		10:50p			0	0	0	0	Hailstorm
			A funnel cloud was observed by the Gessa Fire Department 10 miles west-southwest of Gessa in a strong thunderstorm. The funnel disappeared quickly back into the parent storm. As the storm continued moving toward the east, it produced spotty dime-sized hail 10 miles southeast of Midland, as reported by an amateur radio spotter. No further reports of severe weather were received regarding the storm. No damage was indicated.						
Grandfalls, Ward County	29	12:33a			0	0	0	0	Funnel Cloud
			Department of Public Safety Personnel reported a funnel just north of Grandfalls. It receded quickly back into the storm.						
Wink, Winkler County	29	12:39a			0	0	0	0	Windstorm
			A brief gust to 60 mph was recorded at the Flight Service Station at Wink. No damage occurred.						
Texon, Reagan County	29	8:10a			0	0	0	0	Hailstorm
			A meteorist reported a brief shower of hail near Texon shortly after 8 a.m. Most of the hail was pea to marble size with a few of the stones as large as golfballs.						
Bronte, Coke County	29	7:25p			0	0	0	0	Hailstorm
			Marble- to golfball-sized hail was reported in a brief storm by the public at Bronte. No damage was reported.						
Wink, Winkler County	29	8:45p			0	0	0	0	Funnel Clouds (4)
			The public reported a cluster of 4 small funnel clouds 5 miles north of Wink. The funnels lasted approximately 2 minutes, then disappeared. They were moving toward the east at 25 mph.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 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	
TEXAS (continued)									
WESTERN Moore, Hartley Counties	29	8:50p 9:45p 11:50p			0	0	0	0	Hail, Windstorm Flood Flash Flooding
A thunderstorm in eastern Moore County produced very high wind accompanied by heavy rain and marble- to golfball-sized hail 10 miles east of Dumas. No damage was indicated by the hail or wind, but nearly an hour of heavy rain produced flooding over portions of FM 1090 with the water near 3 feet deep. Minor damage was indicated to the road. Rains continued across much of northwestern Moore and southeastern Hartley Counties. Water was reported flowing across Highway 152 east of Dumas, FM 1284 northeast of Dumas and FM 722 west of Dumas as well as US 87 southeast of Balhart (in Hartley County). Three to four inch rains were estimated over the two-county area with nearly 20 motorists stranded.									
San Angelo, Tom Green County	29	11:00p			0	0	4	0	Hailstorm, Flooding
A thunderstorm that produced brief strong winds and golfball-sized hail, on the northern side of the City of San Angelo, also caused widespread flooding due to 3 to 4 inch rains over a two-hour period. About a dozen motorists were stranded near low places along roads due to the rising water. Damage was mainly to roads and was minor.									
Fisher, Nolan Counties	30	6:00a			0	0	5	5	Flash Flood
Heavy rains, from extensive thunderstorm activity over Fisher and Nolan Counties, produced widespread 4 to 5 inch rains. Considerable damage was reported to crops in the western portion of the two counties; although the flash flooding was more severe in Sweetwater and Roby. Businesses received damage from rising water. Numerous streets were blocked and motorists stranded.									
Lubbock, Lubbock County	30	6:07p			0	0	3	0	Hailstorm
National Weather Service personnel reported hail as large as golfballs on the west side of the City of Lubbock. The hail continued for about 10 minutes but caused only minor damage to vegetation in the area. Brief heavy rains accompanying the storm caused minor flooding, with cars stalled at a few intersections, on the southwest side of town.									
UTAH									
15 Northwest Logan (Cache County)	6	1245 PM MDT	1/2	100	0	0	1	0	Tornado
A single tornado was observed near Newton, Utah, which is located about 15 miles northwest of Logan. The tornado moved northward at about 30 MPH through an irrigation ditch and across a hayfield. It lifted water out of the ditch to a height of about 7 feet and toppled a few fence posts.									
Smithfield (Cache County)	22	1200 AM - 1200 PM			0	0	5	0	Flooding
Flooding was observed in the Cache Valley during the morning of May 22, 1981. Heavy rain during the night falling on saturated soil along with snowmelt runoff caused Summit Creek to flood. Damage estimates are around \$100,000.									
NO DATA RECEIVED									
VERMONT									
VIRGINIA									
Bath County	11	Early am			0	0	0	0	Wind
Storm originally reported as a possible small tornado, verified to be only a straight-line windstorm. Several trees were blown down, otherwise no other damage was associated with it.									
Middlesex County	11	4:30 p	0.2	20	0	0	4	0	Tornado
Small tornado touched down briefly in the Church View section. A 4,000 square-foot metal shed was destroyed with debris carried as far as six miles away. An adjacent house was moderately damaged, one section being lifted from its foundation. In addition, twenty trees were either uprooted or damaged significantly. Total damage was estimated at \$50,000.									
Frederick County	28	6:40 p			0	1	0	0	Lightning
Man was knocked across road while talking on telephone, apparently due to an electrical surge caused by a nearby lightning strike. He was treated and released from local hospital.									
West Central	30	8:00 p - 8:30 p			0	0	4	0	Wind, Rain, Lightning
Storm struck City of Lynchburg as well as portions of Bedford and Amherst Counties. Hundreds of trees were reported downed by wind, blocking roads. High water also inundated some roads and two minor house fires were caused by lightning. Total damage around \$10,000.									
VIRGINIA (continued)									
Port Republic (nr), Rockingham County	30	Night			0	0	4	0	Lightning
Windswept beef cattle were killed by a bolt of lightning as they stood under a tree in the Mill Creek community. Each was valued at between \$500 and \$600, for a total loss of \$10,450.									
VIRGIN ISLANDS									
NO DATA RECEIVED									
WASHINGTON									
NONE REPORTED									
WEST VIRGINIA									
Statewide	14	7-10pm			0	0	4	0	Thunderstorm Winds
Very heavy thunderstorms hit the state during the evening. Strong winds uprooted trees and downed power lines over many areas. Part of a roof was ripped off a pharmacy at Point Pleasant in Mason county. Thunderstorms dumped heavy downpours. Crab Orchard, 6 miles southwest of Beckley, received one inch of rain in 10 minutes.									
Kanawha county	14	7:10pm			0	0	?	?	Hail
1 to 1 1/2 inch hail fell near Glendenin. Numerous reports of small hail received from around the state during the evening.									
Nicholas and Webster counties	28	6pm to midn.			0	0	4	2	Flooding
Daily attacks by heavy thunderstorms finally resulted in flooding of streams and small rivers in southeastern counties. Hardest hit was the Richwood area which received over 4 inches of rain in less than 2 1/2 hours, causing the Cherry River to flood. Several homes in the town received minor damage. There were numerous mud slides and a few roads washed out.									
Statewide	30	4-6:30pm			0	0	5	2	Thunderstorm Winds
A north-south line of heavy thunderstorms rumbled east across the state during the late afternoon. Trees were uprooted across the area and power outages were widespread. Richwood, in eastern Nicholas county, was hard hit while still cleaning up from the flooding of two days before. Businesses in the town had large windows blown out. Trees fell on a substation with loss of power in many areas for over a day.									
WISCONSIN									
Lake Michigan Shore of Milwaukee, Racine, Kenosha Counties	10- 11				0	0	5	0	Wind, High Waves
Approximately 40 hours of northeast winds 30-60 mph generated 12 foot waves on Lake Michigan. 13 boats moored in ports along the lake shore were damaged or destroyed.									
Southeast Dane County	29	1330			0	0	?	?	Wind
70-80 mph winds uprooted and broke many trees.									
WYOMING									
NONE REPORTED									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
THE FOLLOWING ARE LATE REPORTS, CORRECTIONS, AND DELETIONS:																			
LATE REPORTS																			
MARCH 1981																			
NEW YORK CENTRAL																			
NONE REPORTED																			
VERMONT																			
NONE REPORTED																			
APRIL 1981																			
CALIFORNIA NORTHERN & CENTRAL																			
Bakersfield (Kern County Airport)	02									Funnel Clouds									
Three separate funnel clouds were sighted by qualified weather observers at the Kern County Airport. They occurred at 12:58 pm, 2:55 pm, and 3:37 pm PST.																			
IDAHO	21	2:05p	1/2	?	0	0	3	0		Tornado									
Idaho Falls, Bonneville County	A pickup's camper was demolished after being lifted off the ground and then dropped about 100 feet away.																		
Latah County	30	10:00p			0	0	5	4		Flash Flooding									
Little Pottlatch Creek - 1 1/4" of rain in less than one hour. The water damaged 20 miles of road, cut 8' gulleys, soil losses were up to 300 tons/acre, it left debris and mud on one mile of railroad tracks, and 200 acres of seeded lentils were lost. At one point, the water rose about 25 feet. The crest passed one farm house at 10:15p.																			
NEW YORK CENTRAL																			
NONE REPORTED																			
VERMONT																			
NONE REPORTED																			

- 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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