

Storm Data



Effective January 1, 1975 there will be a price increase for this publication as a result of increased labor, material and postage costs. New prices are: Subscription price \$3.60 per year for each section including annual summary; \$4.00 additional for foreign mailing; 30 cents single copy.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1974

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									
Blount, Marshall and DeKalb Counties	15	3:30 p - 4:30 p	**100	Narrow	0	1	3	0	Tornado
Tornado . . . described by witnesses as extremely small . . . moved northeastward in a skipping path across three counties. Tornado struck first at Cleveland, Alabama where several chicken houses were destroyed and water sucked from a small pond. An hour later, the tornado dipped briefly into downtown Albertville where it remained on the ground for about 30 seconds overturning an automobile and injuring one of the occupants. Several reports of a loud roaring aloft came later from northeast of Albertville at Geraldine.									
ALASKA									
Anchorage Area	1	0000	30	30	0	0	4	0	High Winds
High Winds damaged roofs, power lines and parked light aircraft. Many trees were blown down. Wind storm began increasing in intensity at midnight with gusts to 30 knots. By 5 a.m. gusts were recorded to 40 knots, and maintained this intensity until 3 p.m. Winds were predominantly from the north. Peak gust was recorded at 1257 p.m. from the north. Unofficial report from the Post of Anchorage recorded winds to 90 miles per hour.									
ARIZONA									
Winslow Navajo County	8	2:14p.			0	0	0	0	Heavy rain, Hail, Wind
A torrential rain with marble size hail driven by winds up to 54 m.p.h. halted traffic, flooded streets, caused sewer back-ups and piled up hail to a depth of three feet in some areas. 2.09 inches fell in 35 minutes.									
Hayden Pinal County	23	12:30p.			0	0	0	0	Tornado
Sheriff reported large stationary tornado on hill 8 miles south southwest of Hayden. Remained 15 minutes and then dissipated.									
San Manuel Pinal County	23	12:33p			0	0	0	0	Tornado
Pilot reported tornado touched ground for 4 minutes 10 miles northwest of San Manuel, lifted, then touched ground again moving north.									
Petrified Forest National Park Apache County	27	9:15a.			0	0	0	0	Tornado
Public reported funnel touched down briefly in Park about 20 miles east of Holbrook.									
ARKANSAS									
18 Miles East of El Dorado, Union County	28	5:40 p.			0	0	3		Wind
Wind generated by a strong thunderstorm damaged several buildings and uprooted a few trees.									
Bradley, Lafayette County	31	12:18 p. to 12:21 p.	2	Narrow	0	0	5		Tornado
Tornado damaged the Bradley elementary school ripping roofs from the language, arts, and mathematics rooms. Several automobiles parked near the school were also damaged. An aircraft at the local airport also sustained considerable damage.									
North Little Rock, Pulaski County	31	3:00 p.			0	0	4		Lightning
Lightning set fire to a home resulting in considerable roof and attic damage.									
CALIFORNIA NORTHERN & CENTRAL									
SACRAMENTO, Sacramento County	31	1:52p							Funnel cloud
Pilot reported funnel cloud aloft 7 miles south of Sacramento.									
TRACY, San Joaquin County	31	2:00p							Funnel cloud
Public reported funnel cloud aloft over Tracy.									
CALIFORNIA (continued) NORTHERN & CENTRAL									
MERCED, Merced County	31	3:35p							Funnel cloud
Air Force weather observer reported funnel cloud aloft southeast of Castle AFB moving north-northeast.									
CALIFORNIA SOUTHERN									
Los Angeles County	7	6:00 a.			0	0	5	0	Lightening Flooding
An oil storage tank was destroyed by a lightening strike and fire. Damage estimated at \$200,000. Otherwise numerous lightening strikes caused power blackouts across Los Angeles metropolitan area. Some local flooding Antelope Valley and China Lake area.									
Joshua Tree 25 NW Palm Springs, San Bernardino County	22	1:55 p.			0	0	3	0	Tornado Flooding
A tornado touched down briefly 3 NW Joshua Tree. Two small vacation homes suffered minor damage. Tiles were yanked from roofs and siding damaged. 1/2" hail accompanied the tornado. Minor flooding occurred in the Yucca Valley Twentynine Palms area as well as in several other areas in the Imperial Valley.									
35 Carlsbad 27 NW San Diego San Diego County	26	5:42 p.			0	0		0	Waterspout
Pilot report. Observed that it dissipated.									
Encinitas San Diego County	29				0	0	1	0	Waterspout-Tornado
Touched down briefly ripping roof of a horse shelter and yanked cover off a load of hay.									
COLORADO NONE REPORTED									
CONNECTICUT NONE REPORTED									
DELAWARE NONE REPORTED									
FLORIDA									
	3-6				0	0	6	4	Coastal Flooding
October was a windy month in Florida with Small Craft Advisories in effect for parts of the Florida coast on 14 days between October 1st and 24th. In addition, gale warnings were in effect along parts of the Florida east coast on October 6th and 7th. Most of these windy situations were caused by large, strong and persistent high pressure systems, centered over the eastern United States, which pushed a number of cold fronts through Florida. The most wind and associated coastal flooding occurred during the period October 3rd through October 6th when low pressure, in combination with one of these persistent high pressure systems, developed in the over Bahamas and moved up the Florida east coast. The combination of events is described below. A cold front moved through Florida September 29-30 and off the lower southeast coast early on October 1st, gradually moving to a position across eastern Cuba and the southern Bahamas on October 3-4. A large, strong, and persistent high pressure system settled over the eastern United States and maintained a strong north to northeast wind pattern over Florida and adjacent waters for several days following the front. Meanwhile, during the period October 4-5, low pressure developed on the remains of the old front in the region of the southern Bahamas. While the huge high pressure system persisted over the eastern United States and remained strong, the small area of low pressure intensified some and began moving northwestward toward southern Florida. The low (which developed into a sub-tropical storm) moved to the northern Bahamas just off the southeast Florida coast during October 6th and then north-northeastward to a position some 200 miles off the Georgia/S. Carolina coastal area by the afternoon of October 7th. The net result to Florida was to make an existing windy situation even windier, causing extremely rough seas, coastal flooding, and beach erosion. While stronger-than-normal winds and seas persisted for four or five days, probably the worst day was October 6th as the low pressure center moved northward along the Florida east									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1974

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)									
									coast. Winds of 25 to 40 mph were reported with gusts in excess of 40 mph at times. In addition to coastal flooding from high tides, locally heavy rains caused flooding along the east coast. Heaviest amounts reported during the storm period were in Boca Raton, over 14 inches, and Cocoa, over 10 inches. Locally heavy, but lesser amounts, were experienced elsewhere.
									Total dollar-damage is unavailable but is believed to be a fairly large figure, possibly several million dollars. Widespread beach erosion occurred along the east coast undermining a number of structures and spreading large amounts of sand over some beach roads. Sections of some coastal roads were washed out, seawalls eroded and septic tanks flooded, among other things. Some coastal roads were closed for various periods due to flooding by high tides.
									No deaths or serious injuries were reported throughout the state during the storm period. Thousands of surfers were attracted by rough seas and surf along the east coast. Some surfers received cuts and bruises, but no serious injuries were reported.
GEORGIA									NONE REPORTED
HAWAII									
W Diamond Head, Oahu (distance unknown)	.3	12:50p.							Funnel cloud
Makakilo, Oahu	4	4:20p.-4:25p.							Funnel cloud
									Grey rope-like funnel cloud approximately 200 feet wide, sloped towards north, extended down about 1,000 feet from cumulonimbus clouds (base 2,500 feet, tops approximately 18,000 feet) and dissipated before reaching ground. Rain showers began after funnel cloud dissipated.
Kona District, Hawaii Island	15	2p.-5p.			0	0	4	?	Heavy rain
									Thunderstorm rain associated with upper trough flooded areas from Kalaheo to Hanalei. At Kalaheo, Mamalahoe Highway flooded to doorways of village stores fronting highway. Water 1 to 2 feet deep at several intersections along Kuaia Highway, at Alii Kai Subdivision and at entrance to Shiloa Pacific Plant. At Hanalei, Mamalahoe Highway reported "a river of rushing water, rocks and debris." At Kalaheo, 4.5" rain fell between 11:30a. and 6:30p. with 2.80" between 1:30p. and 3:30p.
North Shore, Oahu	24	afternoon			0	1	?	0	High surf
									1st "winter" high surf generated by storm 2,000 miles NW of Oahu reached Oahu's northern shores on afternoon of 21st and gradually increased to peak height of 20 feet on evening of 24th. Lifeguards firemen and helicopter rescued 4 young male surfers at Sunset Beach and Ehukai Beach Park in unsurfable waters. Sunset Beach surfer cut on forehead by own surf board.
IDAHO									NONE REPORTED
ILLINOIS									
Southern Third	1				0	0	0	?	FROST
									Freezing temperatures were recorded three weeks earlier than normal resulting in approximately ten percent loss of corn and soybean crops. Damage occurred south of a line from St. Louis, Mount Vernon and Evansville. Total estimates remain incomplete as the harvest continues
INDIANA									NONE REPORTED
IOWA									NONE REPORTED
KANSAS									
Johnson County	4	1:15 p			0	0	?	?	Wind, Hail
									Severe thunderstorm produced 3/4 inch hail and winds estimated at 75 miles per hour at Spring Hill.
Ford County	30	9:20 a	4	50	0	0	4	0	Wind, Funnel Aloft
									Severe thunderstorm moving from the south edge of Dodge City towards the north northeast through the city was associated with strong damaging winds and a funnel aloft. Damage resulted to one unanchored mobile home, small buildings and roofs.
KANSAS (continued)									
Eastern Third	30	Afternoon & Evening			0	0	4	0	Flooding, Wind, 3 Funnels
									Intense thunderstorms moved eastward across the area producing 2 - 3 inch rains, considerable small hail and strong damaging winds locally. Heaviest rains and flash flooding on small streams occurred in the upper Merriam Des Cygnes river basin and in the Baileyville vicinity. Funnels aloft were reported near Seneca at 2pm, near Fredonia about 4pm, and 15 miles southwest of Garnett about 7pm.
KENTUCKY									NONE REPORTED
LOUISIANA									
Minden, Webster Parish	28	3:38 PM	Brief	15	0	0	3	0	Small Tornado
									Small twister flattened one barn, caused considerable damage to two others at Turner Dairy. Snapped tops of pine trees at Methodist camp.
New Llano, Vernon Parish	28	7:30 PM	200	100	0	12	5	0	Tornado
									Tornado wrecked Fontenot Chevrolet Agency, Nichols Dept. Store, Big Star Grocery and several homes and small businesses.
Cameron Parish	28	8:45 PM	7	75	0	0	4	0	Tornado
									Tornado formed about 8 miles southwest of Cameron and moved northeastward touching down briefly at Holly Beach and demolishing a house trailer; then again in Cameron, passing just south of the Courthouse where winds were registered at 80 mph. A service station lost its roof. A 150 ft. radio tower was knocked down nearby. Two airplanes were damaged extensively at the airstrip. A number of roofs, power lines and trees were also damaged.
Concordia Parish	28	11:00 PM	8	25	0	16	4	?	Tornado
									Tornado scattered cotton trailers and peeled tin from around cotton gin at Frogmore, then skipped around and demolished two houses on the Rife Plantation at Dumbarton. Nine members of the Andrew Jefferson family and three in the Tom Carter household were among those injured. One witness said, "It sounded like a cotton picker or combine coming down the road."
Kenner, Jefferson Parish	29	12:18 AM	1/4	20	0	0	5	0	Tornado
									A small tornado moved north-northwest across the Holly Heights section on the north side of Kenner. Three homes were demolished, seven severely damaged and about 25 others slightly damaged. Path of heaviest damage was 50 to 75 ft. wide and about three blocks long with minor damage for another five blocks. Fortunately, the demolished houses, although new, were not yet occupied.
Jeff Davis-Acadia Parishes	29	1:10 AM	30	200-400	2	52	7	?	Tornado
									A tornado formed in the Lake Arthur area destroying a camp and a utility building. The storm moved northeast and caused major destruction in the southwest and northeast portions of Crowley. After leaving Crowley, the tornado turned north, then finally northwest across Highway 19 north of Maxie. Path was about 30 miles long and about one-quarter mile at its greatest width in northeast Crowley.
									One man, Dewey Spell, was killed at his home near Maxie. At least 12 people were hospitalized in Crowley and about 40 more treated for minor injuries. Ernest Gaspard died at later date because of head and neck injuries.
									Damages in Crowley were listed as follows: 111 homes, one apartment complex and 95 other buildings destroyed; 108 homes and 22 businesses severely damaged and 340 homes with minor damage. Losses exceeded \$10 million.
St. Landry Parish	29	3:00 AM	7	35	0	3	5	0	Tornado & Heavy Rains
									A large thunderstorm that developed near Intracoastal City about 2:25 AM moved north-northeast. A tornado formed in this storm near Leonville shortly before 3 AM. Three people were injured when two trailers were overturned. The tornado hit Port Barre at 3:13 AM damaging several homes and buildings and knocking out the electric system.
									High winds and heavy rain of 7.5 inches caused part of roof at Opelousas High School to collapse. Nottleville also had some homes damaged by high winds. Eunice reported 4.57 inches rainfall. Many places in the parish were flooded.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1974

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	
Louisiana (continued)									
Lafayette Parish	29	4:25 AM	6	170	0	1	5	?	Tornado
Tornado moved east-southeast across the southern portion of the City of Lafayette. A new shopping center was severely damaged. About 20-25 aircraft were damaged at the airport where gusts to 78 mph were recorded. Seven boxcars were lifted off their wheels and scattered. Damages estimated over \$250,000.									
W. K. Patillo received a broken collar bone and facial cuts when the trailer, which served as security office at the Acadian Village Shopping Center, was demolished.									
Pt. Coupee - West Feliciana Parishes	29	5:00 AM	4	50	0	0	3	?	Tornado
Tornado caused minor damage to trees and buildings, touching down east of New Roads between the entrance and the ferry crossing the Mississippi River into W. Feliciana Parish. The power plant south of St. Francisville measured winds of about 90 knots around 5 AM.									
MAINE	NONE REPORTED								
MARYLAND & D.C.									
Parsonsburg	16	10:20 a			0	0	3		Severe thunderstorm
Strong winds from thunderstorm destroyed a chicken house. Damage estimated at \$5000.00									
MASSACHUSETTS									
East Half	16				0	0	4	0	Wind, rain
Slow moving cold front dropped day-long heavy rains which caused low land and highway flooding. Winds gusting to 35 miles an hour toppled a tree onto 2 houses and utility wires causing a power outage and exterior house damage in Salem. The 2.68 inches of storm rainfall at Boston's Logan Airport was near the monthly normal total rainfall for all October.									
MICHIGAN									
Upper St. Marys River	5	11:00a				1			Wind, Waves
Boat capsized and drowned in Upper St. Marys River									
Lake Michigan	17	11:40a							Waterspouts
Waterspouts sighted between South Manitou Island and Sleeping Bear Point.									
MINNESOTA									
Rochester, Olsted County	4	4:30 p			0	1	0	0	Lightning
Ten year old boy struck by lightning bolt. Saved by immediate first aid.									
Lamberton 3 SW, Redwood County	10	7:00 p			0	0	4	0	Lightning
2000 hay bales and barn burned to ground.									
Owatonna, Steele County	11	2:00 a			0	0	4	0	Lightning
Music store completely gutted, causing extensive damage to merchandise.									
FUNNEL CLOUDS REPORTED DURING OCTOBER									
County	Date	Time	Location & Remarks						
Millie Lacs	10	3:14 p	Wahkon						
MISSISSIPPI									
Winona, Montgomery County	29	8:15 AM	1/2	50	0	0	3	0	Tornado
The tornado touched down in the Eskridge Community damaging the roof of a house, nearby barn, and telephone lines. One car was damaged by flying limbs and a fallen tree. A new pickup truck was overturned and severely damaged.									
MISSISSIPPI (continued)									
Raleigh, Smith County	29	10:00 AM	*175	20	0	1	3	0	Tornado
The tornado touched down at Oyd's Country Store damaging a welding shop nearby. The roof was blown off and a falling beam hit an employee who suffered a broken arm and injured leg.									
MISSOURI									
Northwest Missouri	30	p.m.	?	?	0	0	4	0	Thunderstorm and Flooding
Heavy thunderstorms moved out of Kansas through northwest Missouri bringing two to three inches of rain. The rains caused some rivers to go to as much as three feet over flood stage. Some wind and hail damage was experienced with the heavier storms. Some incidents are as follows:									
Trenton, Grundy Co.	30	p.m.	?	?	0	0	?	0	Hail
One-inch hail caused minor damage to windows and paint on cars. Two to three inches of rain were reported.									
Kansas City and Lonejack, Jackson Co.	30	11p.m.	?	?	0	0	?	0	Thunderstorm
A trailer was blown over and considerable flooding reported. Rainfall measured two to three inches with some streets collapsing.									
Hardin, Saline Co.	30	11:30p.m.	?	?	0	0	?	0	Windstorm
Signs and billboards were blown over. A camper was torn up and minor damage reported to schools, roofs, etc.									
MONTANA	NONE REPORTED								
NEBRASKA									
Lancaster County	11	Early Morning			0	0	3	0	Lightning
Lightning struck F-4 jet plane on ground damaging vertical stabilizer.									
Franklin County	30	12:25 pm	Short	Narrow	0	0	4	0	Tornado
A tornado touched down briefly 2 miles north and 1 mile east of Franklin. Doing considerable damage to power lines, roofs, and windows. One Quonset hut and two vehicles were destroyed.									
Platte County	30	1:30 pm	Short	Narrow	0	0	4	0	Tornado
A tornado touched down briefly 2 miles northeast of Duncan. Demolished a hog shed and another small outbuilding. Did minor damage to a new home.									
NEVADA									
Yucca Flat - 30 NE	8	1600P	UNK	UNK	0	0	0	0	Tornado
Tornado reported by two AEC meteorologists on AEC test site. Occurred in restricted area - no other information available. Two flash floods also occurred at the test site on the 8th.									
INDIAN SPRINGS	8	Unknown			0	0	0	0	FLASH FLOOD
Heavy thunderstorm rainfall washed across highway closing the highway temporarily.									
NEW HAMPSHIRE	NONE REPORTED								
NEW JERSEY	NONE REPORTED								
NEW MEXICO									
Canoncito, Valencia County	10	2:00 p.	2	1	1	8	5	?	Tornado
Small tornado touched ground about four times in approximate 2-mile path. One touchdown demolished eight homes in village of Canoncito, killing one infant and injuring eight persons.									
Near Silver City Grant County	10	6:30 p.	?	?	0	0	?	?	Hail
1 1/2 inch hail near Silver City									
10 Miles West of Deming, Luna County	13	12:11 p.	-	-	0	0	0	0	Funnel Aloft
Small funnel reported over mountain 10 miles west of Deming.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1974

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	
NEW MEXICO (continued)									
Near Las Cruces, Dona Ana County	13	2:55 p.	-	-	0	0	0	0	Funnel Aloft
Between Garfield and Hatch, Dona Ana County	22	4:30 p.	?	?	0	0	3	4	Hail
Chaves, Lea, Eddy Counties	22-23				0	0	?	5	Heavy Rain, Flash Floods
Vicinity Maxwell Colfax County	27	4:32 p.							Funnel Aloft
Near Glorieta Santa Fe County	27	7:50 p.							Funnel Aloft
NEW YORK									
COASTAL									
NONE REPORTED									
NEW YORK CENTRAL									
NORTHERN PORTIONS	2-3				0	0	5	"C	SNOW
	An unusually early snow fell from the Eastern Finger Lakes Region and the Eastern Lake Ontario Counties Northeastward to the St. Lawrence Valley and the Adirondacks. Earliest hit were localized portions of Cayuga, Onondaga and Oswego counties where up to 8" fell, but amounts were quite variable. Several stations in the area reported about 2". The heavy wet snow caused considerable damage to leaf covered trees which in turn resulted in numerous downed power lines.								
NEW YORK WESTERN									
Ontario and Monroe Counties	2-3	night & Morning			0	0	unk	unk	Snowstorm
	One of earliest damaging snowstorms occurred in area between Eastern Monroe and Northern Ontario Counties, along with record low temperatures. Snowfall measured 4-6 inches. A great number of limbs were felled by accumulation of heavy wet snow. Trees still had full foliage. Falling limbs broke power lines causing thousands of homes, businesses, and schools to have no power.								
NORTH CAROLINA									
Many counties in Central and Western Areas	2nd, 3rd, and 4th	Nights						7	Early freeze
	Early freeze damage peanut, soybean, and Tobacco crops estimated at 28 million.								
NORTH DAKOTA									
NONE REPORTED									
OHIO									
NONE REPORTED									
OKLAHOMA									
Oilton Creek County	28	5:30p.	1	300	0	1	5	0	Wind
	Three mobile homes were destroyed and five sustained damage when strong winds associated with a thunderstorm hit the south portion Oilton. A man living in one of the mobile homes that was destroyed sustained a minor cut.								
West of Madill Marshall County	30	5:15p.	1/2	50	0	0	2	0	Tornado
	A tornado touched down briefly about 6 miles west of Madill. Mostly tree damage was reported.								
McCurtain County	31	5:30a.			0	0	4	0	Wind
	High winds hit the Honey Grove, Holly Creek and Oak Hill communities. Damage was reported to a number of barns, broiler houses and out buildings. There were extensive reports of fallen power lines and trees blocking roadways.								
OREGON									
NONE REPORTED									
PACIFIC									
NONE REPORTED									
PENNSYLVANIA EASTERN									
Eastern Pennsylvania	15-16	7 PM (EDT) 8 PM (EDT)	15		0	0	3	0	Heavy Rain
	A low pressure storm system moving from the Carolinas to off the New England Coast caused heavy rain over Eastern Pennsylvania with the heaviest amounts over Southeastern Counties. Some stream and roadway flooding resulted. This was the only significant precipitation in the month.								
PENNSYLVANIA WESTERN									
Erie area	19-20	During night			1	3	4	0	Snowstorm
	Heavy snowfall dropped many tree limbs and utility lines, cutting power to thousands of homes. One man, startled by a neighbor who knocked at his door to inquire about the storm, jumped through a window and was severely cut, but ran several blocks before collapsing and dying. A number of minor car accidents occurred on city and county roads, including two that caused injuries. Snow depths ranged from two to six inches.								
PUERTO RICO									
Eastern Two Thirds	23-31				7	1	*5	C	Heavy Rains, Flooding
	The arrival of the first polar system of the year and its stagnation over the Puerto Rico-Virgin Islands area during the final week of the month caused heavy local rainfall and intense thunderstorm activity with flooding over various portions.								
	During the early morning hours of the 23rd heavy rains fell along the northern eastern and central portions of Puerto Rico which resulted in the flooding of La Plata river over the lower coastal plain. Flood waters affected the towns of Dorado, Toa Baja, Toa Alta. Large areas of sugar cane and pasture land were flooded with some cattle reported lost. Several homes were washed away and a number of families were removed to shelters. Considerable road damage occurred and Highway 2 bridge at Toa Alta was over run with about one foot of water. U. S. Geological Survey reported a peak stage of 25.3 feet at this point. Generally five to six inches of rainfall occurred in the La Plata Basin all of which fell on ground saturated from previous rains resulting in nearly total runoff. In the eastern part of the island U.S.G.S. reported floods of about 10 year recurrence interval. Considerable urban flooding resulting from poor drainage and runoff to low lying areas was reported along the northern coastal section. In the central interior portion there were numerous landslides and considerable road damage as well as urban flooding reported from such towns as Cayey, Orocovis, Utuado, Luquillo, Carolina, Rio Grande, Fajardo, Naranjito and Cidra.								
	On the 24th heavy rains in the early morning hours were centered in the Manati River Basin with totals of six to seven inches. For the 24-hour period prior to that time resulting in a flooding of that town in the Cantito, Boquillo and Tierra Nuevas sectors located in the flood plain area alongside Highway 2. About 75 cattle were drowned in the Montebello sector. Approximately 100 people were relocated to Civil Defense shelters with an islandwide total of 250 families over various parts of the island. Several homes located near the river banks were washed away in the flood plain area.								
	Late on the 24th and early on the 25th another surge of rainfall occurred over the eastern end of the island with the heaviest rains centered over the Fajardo River Basin. Rainfall totals of 8 to 11 inches were reported for the 24-hour period ending at 0700 on the 25th. There was heavy flooding of the Fajardo River with considerable damage to homes and installations along the river on the outskirts of the town. There was considerable flooding of the sugar cane fields with heavy water damage to the local mill equipment and to a local railway used as a tourist attraction.								
	Late in the evening of the 31st a very heavy and localized rain area developed over the southern slopes just northwest of Ponce and dumped about 4 inches of rain in the Casas and Portugues watersheds with resulting flash flooding of the lower coastal plain around the Nueva Vida and Caradoles sectors of Ponce City. Two young children drowned in Quebrada del Agua. Forty one homes were washed away or damaged. Civil Defense evacuated 400 families into shelters.								
RHODE ISLAND									
NONE REPORTED									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1974

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
SOUTH CAROLINA									
S. C. Coast	7	-	-	-	0	0	4	0	High Tides
Tides 1 to 2 feet above normal caused some beach erosion as tropical low pressure moved northward off S.C. coast.									
Western, Northern, and Central S.C.	3-4	-	-	-	0	0	5	0	Frost, freeze
Frost or freezing temperatures occurred over much of northern, western, and central S.C. Considerable damage to soybeans and truck crops. This was the earliest frost/freezes of record at many locations.									
SOUTH DAKOTA									
Minnehaha County	10	6:30 PM CDT	25	500	0	0	0	4	Large Hail
Hailstones, one-half to three-fourths, inch fell in the vicinity of Crooks and Garretson. Some local areas reported an accumulation of from two to three inches.									
TENNESSEE									
NONE REPORTED									
TEXAS EASTERN									
Beaumont Jefferson County	12	12:25PM	---	---	0	0	0	0	Funnel
Funnel aloft observed by National Weather Service personnel. Did not touch ground.									
Alice Jim Wells County	24	4:35PM	---	---	0	0	0	0	Funnel
Funnel observed by pilot 22 miles NW of Alice. Did not touch ground.									
Gilchrist Chambers County and Winnie and Lumberton Jefferson County	28	11:40AM	2	Unkn	0	0	5	Unkn	Tornado
Damage was primarily inflicted on mobile homes. Estimate received from Sheriff's Dept. At 1230-1240 tornado touched down south of Winnie, Texas, and was sighted by WSO Port Arthur personnel. At 1:20PM tornado touched down briefly at Lumberton, Texas. Primary damage was to trailer homes, garages, and storage buildings, as well as numerous power lines and trees downed. Heavy rains contributed to damage on unroofed homes.									
Port Arthur Jefferson County	28	1:30PM	Unkn	Unkn	0	2	4	Unkn	Tornado
Tornado touched down in south part of town. Moved to the north-northeast; primary damage was to unroofed homes, garages, storage buildings, downed trees and power lines; mostly over open marshland.									
Beaumont - Silsbee Jefferson County	28	1:55PM	5	50	0	3	5	-	Tornado
Touched down destroying service station and injuring three persons with flying debris. Some damage to roofs and sheds in area. At 2:05PM tornado touched down on other side of Beaumont; stayed on ground total of three miles but covered about 14 miles total length. At 2:07PM same system produced another tornado 5 miles southeast of Silsbee, Texas; damaged several roofs and downed trees, destroyed two trailer houses. Tornadoes actually skipped the most populated areas of the city otherwise damage would have been excessive.									
Beaumont Jefferson County	28	3:30PM	---	---	0	0	0	0	Funnel
Numerous funnel clouds sighted over city. No damage reports received.									
Baytown Harris County	28	4:40PM	3	50	1	7	6	-	Tornado
Tornado struck at end of automobile tunnel creating a vacuum in the tunnel, overturning a gasoline truck and causing several others to lose control. Seven houses damaged of which four were severe. Witness reported freight train noise. A maintenance garage was destroyed and the canopy was ripped from a service station. Other damage consisted of damaged roofs, porches, and flying debris.									
Liberty Liberty County	28	4:47PM	Unkn	Unkn	0	0	0	Unkn	Tornado
Pilot rptd tornado 46 mi NE HOU - no confirmation Believed part of Baytown system									
High Island Jefferson County	28	5:00PM	Unkn	Unkn	0	0	4	0	Tornado
First reported 5 mi NE of High Island and later at 5:10 reported 15 mi NE of High Island. Touched down mostly over marshland, damaged mobile homes and sheds, some roof damage.									
TEXAS (continued) EASTERN									
Vidor Jefferson County	28	6:47PM	---	---	0	0	0	0	Funnel
Two funnels reported by police. Did not touch down.									
Georgetown Williamson County	30	7:00PM	1.8	200	0	0	5	0	Tornado
Hit Municipal Airport destroying two hangars and 8 aircraft. Caused damage to two trailers and six homes.									
San Antonio Bexar County	31	8:18AM	0	0	0	0	0	0	Tornado
Pilot reported tornado just NW of airport, no reports of any damage received.									
Webster Harris County	31	12:15PM	0	0	0	0	0	0	Funnel
Department of Public Safety reported funnel cloud near NASA area; no reports of touching ground.									
Houston Harris County	31	12:20PM	Unkn	Unkn	0	0	0	0	Tornado
Reported by Ellington AFB personnel; no damage reports received.									
Houston Harris County	31	2:05PM	Unkn	Unkn	0	0	0	0	Funnel
Public reported funnel in northeast Houston; no reports of touching down.									
Houston Harris County	31	2:25PM	Unkn	Unkn	0	0	0	0	Funnel
Funnel reported 15 miles northwest of Houston moving southeast; no reports of touching down.									
Pasadena Harris County	31	3:30PM	3.2	75	0	1	5	Unkn	Tornado
Primary damage was to a store and a barn, witness reported funnel sighted before taking cover. Twisting evidence seen in damage.									
Houston Harris County	31	4:10PM	---	---	0	0	0	0	Funnel
Two funnels reported, one over south Pasadena and one near Hobby Airport. No reports touching down.									
Hallettsville Lavaca County	31	4:30PM	1/2	50	0	0	3	0	Tornado
Damage to trees and outbuildings.									
TEXAS CENTRAL									
5-6 SE of Crowell Foard Co.	25	5:25pm							Funnel Cloud
Sheriff's Department observed funnel moving south.									
15-20 S of Lockett Wilbarger Co.	25	5:49pm							Funnel Cloud
Funnel cloud sighted by Department of Public Safety moving south.									
Lindsay Cooke Co.	28	4:00pm	4	?	0	0	5	0	Tornado
Tornado wrecked a mobile home and damaged several other structures at Lindsay. At Gainesville, two airplanes were overturned and badly damaged.									
Waxahachie Ellis Co.	30	10:30a			0	0	?	?	Windstorm
Winds of 70 to 80 mph were reported.									
Southlake Tarrant Co.	30	11:25a			0	0	5	0	Windstorm
Winds raised the roof of a factory at Southlake and dropped it back down on the building.									
Near Valley View Cooke Co.	30	3:20p	4	?	0	0	0	0	Tornado Funnel Cloud
Tornado travelled northward across open country, from about 1/4 mile west of I-35 near the Denton Co. line, to about 1-1/2 mile southwest of Valley View. Here it turned northeast toward Valley View. When it reached Spring Creek, the funnel left the ground and proceeded along the creek bed northward. The cloud was described as very wide and black at first, but became light and thin later. Another funnel was sighted but did not touch down.									
4W of Sanger Denton Co.	30	3:30p							Funnel cloud
Funnel cloud was observed by DPS.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1974

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)										
CENTRAL										
Gainesville-Lindsay Cooke Co.	30	3:45p	1/2	400	-	1	5	0	Tornado, Four Funnel Clouds, Heavy Rain	
									The same storm which moved near Valley View caused heavy damage in south Gainesville. The tornado caused major damage to 5 homes and minor damage to 12 others. One woman was injured when her house collapsed. Flooding occurred in Lindsay where about 10 homes were filled with water.	
Cisco Eastland Co.	30	after-noon	?	?	0	0	3	0	Tornado	
									Damage to a mobile home was reported.	
Fort Worth Tarrant Co.	30	6:00p			0	0	5	0	Windstorm	
									Wind damage to 14 mobile homes (unoccupied) in industrial district.	
Dixie Grayson Co.	30	4:00p	?	?	0	0	4	0	Tornado, Hail	
									A tornado touched down at Dixie, north of Whitesboro. A mobile home was destroyed but the residents were uninjured as they abandoned the home shortly before the storm struck. "Hen egg" size hail was reported.	
Bell Co.	30-31				1	0	7	0	Heavy Rain Flooding	
									Nolan Creek flooded a 35-mile section of Central Texas from Killeen to Helton. At Killeen, several cars and mobile homes were swept into the creek. Some 500 persons were evacuated from the area. At Helton, a 12-foot wall of water surged down Central Avenue. A pickup truck was washed some 35 miles from Killeen before it smashed into the Bell County Courthouse. Heavy water damage was reported to the government offices. At Killeen, an Army officer was killed when his car was swept into Nolan Creek.	
Parker, Wise, Tarrant Cooke, Denton Co.	30	late eve			0	0	7	?	Heavy Rain, Flooding	
		31	early morn						Heavy rain up to 8 to 10 inches fell over the area from late on the 30th to early on the 31st. The rains forced the Tarrant Co. Water Control District to open Eagle Mountain spillways. Flooding resulted in the Lake Worth area with about 35 homes being evacuated. Flooding also occurred in portions of Weatherford and Azle. At Springtown, 6 homes were evacuated when Browder Creek overflowed. At Bennett, a trailer park was flooded by Rock Creek. Roads and bridges were washed out throughout the area. Flooding also occurred around Lake Lewisville. Four engines and three boxcars of a train were derailed south of Denton when flood waters washed out the track embankment.	
Ennis Ellis Co.	30-31				0	0	5	0	Lightning Strike Flooding	
									Up to 8 inches of rain at Lake Bardwell produced some flooding. Lightning struck two homes and burned one to the ground.	
4-1/2 S Blooming Grove, Navarro Co.	31	12:46a	?	?	0	0	4	0	Tornado	
									DPS reported damage to a church and residence.	
15W Waco McLennan Co.	31	1:15a							Funnel Cloud	
									Funnel observed near Trading House Creek Reservoir.	
Hillsboro Hill Co.	31	2:00a	?	?	0	0	4	0	Tornado	
									Tornado damaged one home and several farm buildings.	
Terrell Kaufman Co.	31	2:30a			0	0	?	?	Windstorm	
									Wind blew 2 tractor trailers into the traffic median on I-20.	
Goldthwaite Mills Co.	31	3:00a	?	?	0	0	3	0	Tornado	
									Tornado unroofed several homes and blew away several goat sheds.	
Sulphur Springs Hopkins Co.	31	4:50a	3	40	0	1	6	0	Tornado Heavy Rain	
									The tornado struck first near Hiway 154 and I-30 and skipped northeastward across FM 1870 into the Rock Creek bottoms. One man was injured by flying glass. Major damage was reported to 13 businesses and 36 homes. Additional damage was sustained by about 60 homes. Water damage was responsible for much of the interior damage as 4 inches of rainfall accompanied the storm.	
Clarksville area Red River Co.	31	5:00a			0	0	5	0	Windstorm	
									Violent winds caused heavy damage to barns, roofs, and trees. One barn was moved several hundred yards before striking a house. Heaviest damage was in the Bagwell area.	
Camp Hill Anderson Co.	31	8:40a			0	0	5	0	Windstorm	
									Heavy damage was reported at the Camp Hill Oil Company. Trees were uprooted, some of which struck mobile homes. Damage was reported to a pump house and a plate was blown off an oil tank.	
TEXAS (continued)										
CENTRAL										
Elkhart Anderson Co.	31	8:50a	2	500	0	4	6	0	Tornado	
									Tornado struck in the western portion of town and cut a wide path across Hiway 19 on the east side of town. Four persons were injured. One woman was seriously injured when she was thrown from her car when the tornado picked it up. Fifty three structures were damaged. Heavy damage occurred to a church and 3 mobile homes.	
Salmon Anderson CO	31	10:30a	short	narrow	0	0	4	0	Tornado	
									Tornado demolished a barn and knocked a mobile home off its blocks. Trees were also downed by the storm.	
TEXAS WESTERN										
5 miles south of Brownfield to Brownfield, Terry County	12	6:30P-7:03P	6	?	0	0	0	0	Hail, heavy rain	
									Hail to 1 3/4" in diameter and heavy rain accompanying a thunderstorm fell for a brief period of time. Little or no known damage.	
West Side and NE portion of EL Paso, EL Paso, County	22-23	4:44P-1:30A	?	?	0	0	4	4	Hail, heavy rain	
									Hail to 3 1/4" in diameter and heavy rain fell for two brief periods, late afternoon 23rd, and again during early morning of 23rd. Coverage was spotty, but minor damage was reported to automobiles, homes and crops.	
Sheffield, Pecos County	27	11:20P----	?	?	0	0	0	0	Hail	
									Hail to 1 3/4" in diameter fell briefly. No known damage.	
Osama, Crockett, County	30	8:48P	?	?	0	0	3	0	Wind, Rain	
									Wind approximately 55 mph and heavy rain did minor damage to several mobile homes.	
Crane, Crane County	30	9:20P	?	?	0	0	0	0	Hail	
									Hail to 1 3/4" in diameter fell for a brief time. No known damage.	
UTAH										
NO STORM DATA REPORT RECEIVED FOR THIS STATE										
VERMONT										
NONE REPORTED										
VIRGINIA										
Southern	2-3							?	Frost	
									Two consecutive nights of early frost damaged soybean and tobacco crops. No dollar estimate available.	
VIRGIN ISLANDS										
NONE REPORTED										
WASHINGTON										
NONE REPORTED										
WEST VIRGINIA										
NONE REPORTED										
WISCONSIN										
NONE REPORTED										
WYOMING										
NONE REPORTED										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1974

- ° 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 this type of data, it is not all-inclusive. Late Reports and corrections will be carried in the June and December issues of this publication.

SUBSCRIPTION PRICE: \$2.50 a year; 50¢ additional for foreign mailing; 25¢ single copy. Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, N. C. 28801. Attn: Publications.

USCOMM-NOAA-ASHEVILLE, N.C. 12/17/74-1850

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE

COM 210



FIRST CLASS

