AUGUST 1997
VOLUME 39
NUMBER 8



AND UNUSUAL WEATHER PHENOMENA
WITH LATE REPORTS AND CORRECTIONS

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER ASHEVILLE, N.C.

Cover: On August 21, 1997, slow moving thunderstorms caused flash flooding in southeastern New Jersey. The Sugar Hill bridge on Rt. 559 in Mays Landing, New Jersey was severely damaged. Severe flooding caused more than 60 million dollars damage to commercial structures, roads, bridges and homes in the region. See Page 5 for further details. *(Photograph courtesy of The Press of Atlantic City, Atlantic City, NJ)*

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STORM DATA
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STORM DATA contains all confirmed information on storms available to our staff at the time of publication. However, due to difficulties inherent in the collection of this type of data, it is not all-inclusive. Late reports and corrections are printed in each edition.

Maps of the National Weather Service County Warning Areas which are used in the Storm Data and Unusual Weather Phenomena section will be printed in all editions.

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Note: "None Reported" means that no severe weather occurred and "Not Received" means that no reports were received for this region at the time of printing.

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The editor of **STORM DATA** solicits your help in acquiring photographs (prints or slides; black and white, or color), maps, clippings, etc. of significant or unusual weather events (past or present). These could be for use in the "Outstanding Storms of the Month" or "Et Cetera" sections of **STORM DATA**. We request our subscribers or other interested persons to mail such items to:

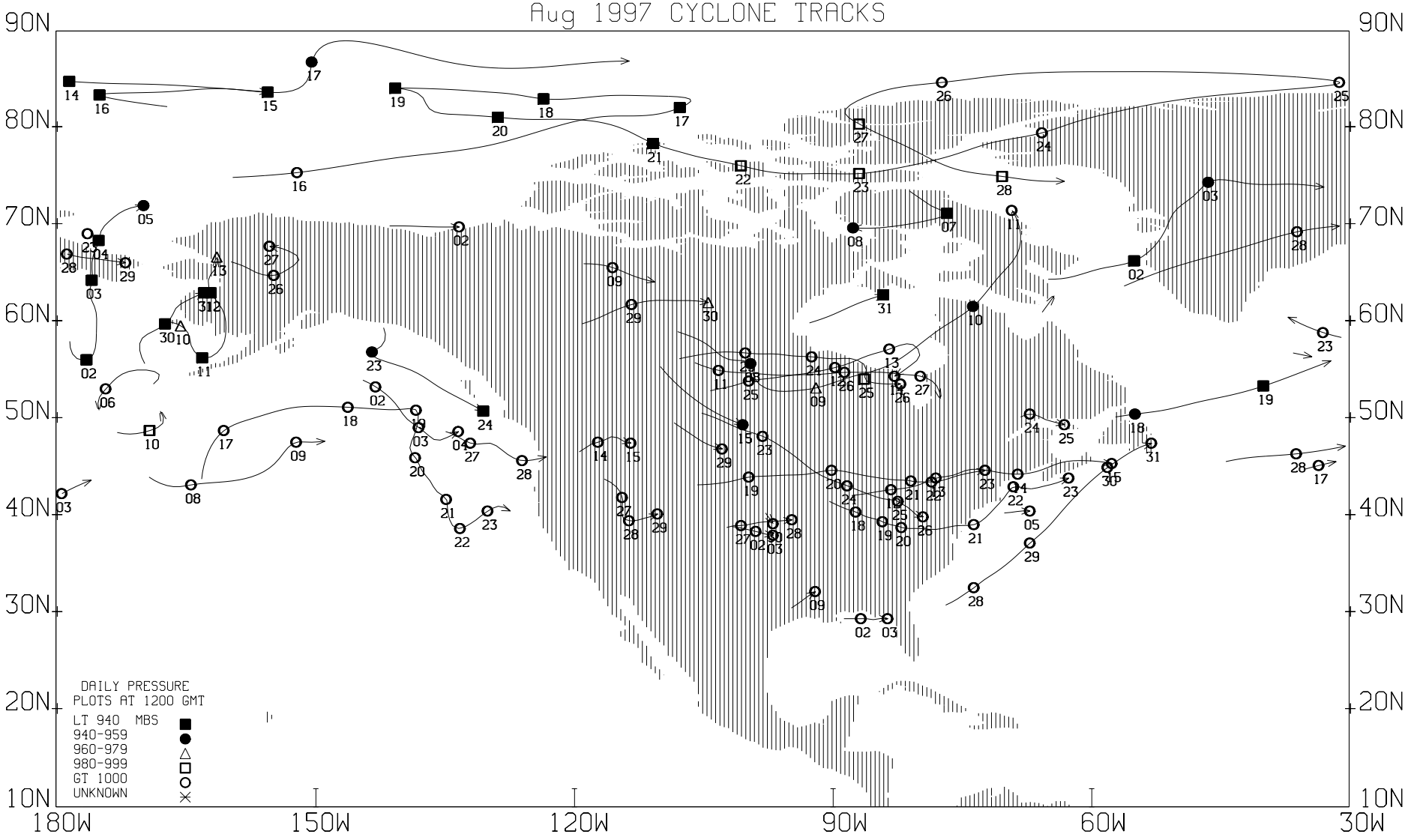
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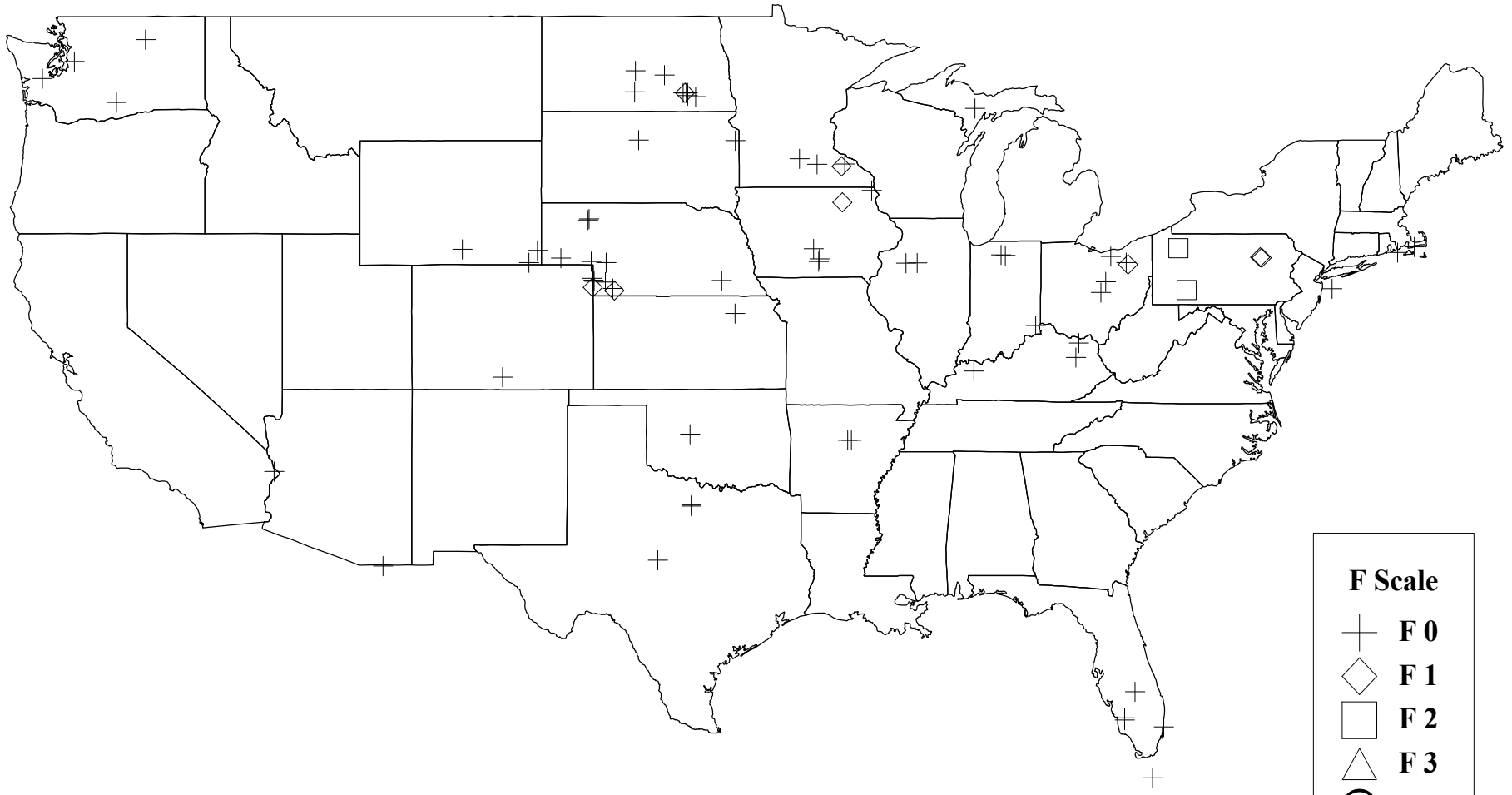
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28801-2733."



Kenneth D. Davidson
Acting Director,
National Climatic Data Center


Aug 1997 CYCLONE TRACKS
90N
80N
70N
60N
50N
40N
30N
20N
10N
180W
150W
120W
90W
60W
30W
DAILY PRESSURE
PLOTS AT 1200 GMT
LT 940 MBS
940-959
960-979
980-999
GT 1000
UNKNOWN

August 1997 Confirmed Tornadoes



F Scale	F0	F1	F2	F3	F4	F5	Total
Number	66	8	2	0	0	0	76

OUTSTANDING STORMS OF THE MONTH

1. FLOODS PLAGUE SOUTHEAST NEW JERSEY

On August 20, 1997, a low pressure system developed along a warm frontal boundary over the Delmarva Peninsula. An unstable airmass over the mid-Atlantic states combined with a strong low level jet stream (a fast moving core of air between 4000 - 10000 feet which is favorable for the development of severe weather) contributed to the development of thunderstorms. Surface winds gusted to 50 mph along the New Jersey coast line which helped to keep the thunderstorms nearly stationary across Central Delaware and Southeast New Jersey. Rainfall amounts of 13.5 inches were reported in the eastern half of Atlantic County New Jersey causing considerable flash flooding. Flooding was also reported in neighboring Burlington, Cape May, Cumberland and Ocean Counties and in Kent County Delaware. Power outages and flooding forced the closure of the Atlantic City International Airport. Total damage was estimated near 60 million dollars. One injury occurred the afternoon of August 21 when a boy dove into the flood waters.



Left: Railroad workers inspect the damage caused by flash flooding to a 200 foot section of railway. Bulldozers are hauling stone to replace the track foundation.

(Photo courtesy of The Press of Atlantic City, Atlantic City, NJ)

Right: A resident of the Pomona section of Galloway Township, New Jersey paddles a canoe in the front yard of his home on the morning of August 21, 1997.

(Photo courtesy of The Press of Atlantic City, Atlantic City, NJ)



Storm Data and Unusual Weather Phenomena

August 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ALABAMA, North Central

ALZ006 **Madison**

	01	**0500CST 0700CST**			**0**	**0**	**0**	**0**	**Extreme Cold**

A new record low of 62 was set at the Huntsville International Airport.

ALZ019 **Calhoun**

	01	**0500CST 0700CST**			**0**	**0**	**0**	**0**	**Extreme Cold**

A new record low of 59 was set at the Anniston Airport in Oxford.

ALZ023 **Tuscaloosa**

	01	**0500CST 0700CST**			**0**	**0**	**0**	**0**	**Extreme Cold**

A new record low of 63 was set at the Tuscaloosa airport.

ALZ002 **Colbert**

	02	**0500CST 0700CST**			**0**	**0**	**0**	**0**	**Extreme Cold**

A new record low of 59 was set at the Muscle Shoals airport.

ALZ006 **Madison**

	02	**0500CST 0700CST**			**0**	**0**	**0**	**0**	**Extreme Cold**

A new record low of 60 was set at the Huntsville International Airport.

Chilton County

Clanton	**13**	**1430CST**			**0**	**0**	**6K**	**0**	**Lightning**

Lightning struck Adair Middle School's chimney and knocked out the schools intercom system and all but one of the schools phones.

Jefferson County

Hueytown	**13**	**1440CST**			**0**	**0**	**0**	**0**	**Funnel Cloud**

A funnel cloud was reported near Hueytown.

Montgomery County

Montgomery	**14**	**1600CST 1700CST**			**0**	**0**	**4K**	**0**	**Flash Flood**

A thunderstorm dumped 3 inches of rain in less than an hour causing flash flooding problems. Several cars were seen floating and water flooded the basement of the State House. This caused an air conditioner compressor to short circuit.

Jefferson County

Tarrant	**14**	**1615CST**			**0**	**0**	**2K**	**0**	**Lightning**

Lightning struck a tree next to a house and ran into the house. It caused damage to the television and air conditioner.

Elmore County

5 S Millbrook	**18**	**1412CST**			**0**	**0**	**2K**	**0**	**Hail (0.88)**

Dime to nickel size hail was reported 1 mile north of the Elmore/Montgomery county line.

Chilton County

Jemison	**18**	**1645CST**			**0**	**0**	**8K**	**0**	**Thunderstorm Wind (G50)**

A portion of the roof of a house under construction was ripped off. Several large trees were knocked down.

Shelby County

Alabaster	**18**	**1645CST**			**0**	**0**	**6K**	**0**	**Thunderstorm Wind (G50)**

Numerous trees and power lines were down across the city of Alabaster.

Dallas County

4 NW Selma	**18**	**1650CST**			**0**	**0**	**2K**	**0**	**Thunderstorm Wind (G50)**

Trees were down on SR 14 near SR 219.

Dallas County

1 E Selma	**20**	**1215CST**			**0**	**0**	**15K**	**0**	**Thunderstorm Wind (G55)**

Two homes that were side by side were damaged by a downburst. Several trees were down on the homes, and there was damage to the front porch, kitchen, and roof of one home and to two bedrooms of the other.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ALABAMA, North Central

Montgomery County

Montgomery **20** **1328CST** **0** **0** **0** **0** **Thunderstorm Wind (G56)**

A wind gust of 62 mph was reported at Maxwell AFB.

ALZ019 Calhoun

22 **0500CST** **0** **0** **0** **0** **Extreme Cold**
0700CST

A new record low of 55 was set at the Anniston airport at Oxford.

ALZ044 Montgomery

22 **0500CST** **0** **0** **0** **0** **Extreme Cold**
0700CST

A new record low of 60 was set at the Montgomery airport.

ALZ006 Madison

23 **0500CST** **0** **0** **0** **0** **Extreme Cold**
0700CST

A new record low of 58 was set at the Huntsville International Airport.

ALZ019 Calhoun

23 **0500CST** **0** **0** **0** **0** **Extreme Cold**
0700CST

A new record low temperature of 55 was set at the Anniston airport at Oxford.

ALZ002 Colbert

24 **0500CST** **0** **0** **0** **0** **Extreme Cold**
0700CST

A new record low of 56 was set at the Muscle Shoals airport.

ALZ006 Madison

24 **0500CST** **0** **0** **0** **0** **Extreme Cold**
0700CST

A new record low of 56 was set at the Huntsville International Airport.

ALZ024 Jefferson

24 **0500CST** **0** **0** **0** **0** **Extreme Cold**
0700CST

A new record low temperature of 57 was set at the Birmingham airport.

ALZ006 Madison

25 **0500CST** **0** **0** **0** **0** **Extreme Cold**
0700CST

A new record low of 58 was set at the Huntsville International Airport.

ALABAMA, Southeast

NONE REPORTED.

ALABAMA, Southwest

Baldwin County

Robertsdale **09** **1500CST** **0** **0** **3K** **Lightning**

Lightning from an afternoon thunderstorm struck a home in Robertsdale. The lightning struck the roof and damaged it and also damaged several electrical appliances.

Covington County

Libertyville **19** **1615CST** **0** **0** **5K** **Thunderstorm Wind (G50)**
1617CST

Several trees were blown down near Libertyville and also near Wing. Two funnel clouds were observed in the area but they never touched the ground.

Baldwin County

Loxley **20** **1645CST** **0** **0** **5K** **Thunderstorm Wind (G50)**
1647CST

Several trees and power lines were blown down near Loxley.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ALABAMA, Southwest

Mobile County

5 NE Theodore | **20** | **1905CST 1907CST** | | | **0** | **0** | **5K** | | **Thunderstorm Wind (G50)**

Several trees and power lines were blown down along the Dog River.

Clarke County

Jackson | **31** | **1130CST 1132CST** | | | **0** | **0** | **4K** | | **Thunderstorm Wind (G50)**

Several trees were blown down in the city of Jackson.

ALASKA, Northern

AKZ007 Tanana Valley

01 **0000AST** | **0** | **0** | **Flood**

17 **1200AST**

Contination of entry begun July 24. Rain covering much of the Valley occurred around the 5th-7th, and around the 13th, with amounts of 1 to 3 inches, resulting in toatal rainfall from 7/13 to 8/15 of 5.5 to 8.7 inches over the upper Valley, and 3.0 to 6.0 inches over the central Valley east and north of Fairbanks-Eielson AFB. On Aug 8, the Tanana River went over bankfull near Salcha and in the Rosie Creek area of Fairbanks...remainded steady through the 13th, then rose some more after the 13th, resulting in 5 families being evacuated. On the 14th, the Tanana crested at Rosie Creek...and farther downstream at Nenana high river levels caused groundwater seepage. By August 16, river levels at all locations but Manley had dropped enough to end the occurrance or threat of flooding...and at Manley the threat of flooding ended Aug 17th. Continued bank erosion near Salcha later in the month forced the evacuation of another home in the area. Total damage amounts are included in the July event..

AKZ005-024 Lower Kobuk Valley-Northern Seward Peninsula - St. Lawrence Island-Bering Strait Coast

03 **1700AST** | **0** | **0** | **High Wind (G50)**

04 **1100AST**

A Low pressure center (remains of tropical storm Scott) reaching 980 millibars over the central Bering Sea moved due north to the western Chukchi Sea near Wrangell Island. Strong High pressure persisting over southeast Alaska mainland created a strong pressure gradient over far west Alaska. Max winds: Zone 24:
Gambell 36g45 kts; Savoonga36g47kts; Zone 5: Shishmaref 36g48kts; Point Hope 39g46kts; Lisburne 36g50 kts.

Fairbanks/Tanana Valley

Delta Jct | **12** | **2000AST** | | | **0** | **0** | **20K** | | **Flash Flood**

13 **0100AST**

Heavy thundershowers in the Delta River headwaters, comibined with probable glacial burst, created minor flash floodinig along the Delta River and its tributaries. At milepost 215-218, approximately 40 miles south of Delta Junction, some damage was reported on the Richardson Highway. One lane of the highway was temporarily closed due to erosion. Additionally, a mudslide was reported on the Richardson Highway near Miller Creek, which swept an unoccupied truck off the road. Dept. of Transportation reported damage of 20 thousand dollars with unknown private property damage.

AKZ003 Upper Yukon Valley

26 **2000AST** | **0** | **0** | **Flood**

31 **2359AST**

A large thunderstorm or thunderstorm complex moving north-northwest over the eastern Upper Yukon Valley produced rains of .9 to 1.1 on the evening of the 26th through the morning of the 27th. Bankfull conditions occurred on the Sheenjak River, with an Alaska State Department of Fish and Game Fish Counting Sonar Camp having to be moved temporarily to the Porcupine River during Aug 30th until Sep 1st. The camp, was located 6 river miles upstream on the Sheenjak from its confluence with the Porcupine River. Crest was estimated to pass late on the evening of the 31st.

AKZ024 St. Lawrence Island-Bering Strait Coast

30 **0100AST** | **0** | **0** | **High Wind (G44)**

31 **0500AST**

A low pressure system near Nunivak Island tracked slowly northeast and deepened to 983 mb during the event before weakening. a secondary center moved north toward Nome and dissipated on the 30th. Maximum north winds at Gambell: 37 kts sustained, gusts 44 kts.

ALASKA, Southeast

AKZ013 Central Southeast Alaska

01 **0000AST** | **0** | **0** | **None**

There were no storm events in August.

ALASKA, Southern

AKZ010-021>023 Yukon-Kuskokwim Delta - Western Alaska Peninsula - Eastern Aleutians - St. Paul Island

02 **1151AST** | **0** | **0** | **High Wind (G60)**

03 **1753AST**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ALASKA, Southern

The remains of tropical storm "Scott" raced northward through the central Aleutians and through the central Bering Sea. Very strong southwesterly winds were observed along the "back" side of the low. Central pressure remained constant at around 978mbs. Gusts reached 59 mph at Cold Bay at 11:51 am Saturday, 45 mph at Saint George and 39 mph at Saint Paul (Pribilofs) Sunday morning, 49 mph at Bethel at 5:23 pm Sunday and 69 mph just south of Adak Saturday morning. A "possible distress" was logged by the Coast Guard involving the F/V "Maria N", which was caught in the storm. On scene weather at 430 pm (near Adak) was reported as winds west 52 mph and seas 20 ft.

AKZ021 — Western Alaska Peninsula

04	**1200AST**	**0**	**0**		**High Wind (G35)**
	1900AST				

A moderate frontal low in the eastern Aleutians was preceded by brisk southeasterly winds. Gusts reached 40 mph at Cold Bay...where "channeling" causes supergradient winds.

AKZ019>020 — Central Gulf Coast - Kodiak Island-Eastern Alaska Peninsula

10	**1200AST**	**0**	**0**		**High Wind (G45)**
11	**2359AST**				

Brisk southeasterly winds preceded a front that moved northeast across the Alaska Peninsula late Sunday and early Monday...then through the central North Gulf Coast Tuesday morning. Gusts reached 45 mph at Cold Bay late Sunday and early Monday...and 46 mph at Middleton Island late Monday afternoon.

C. Gulf Coast / Valdez

Cordova	**12**	**0930AST**	**0**	**0**	**10K**	**Flood**
	13	**1000AST**				

Rain Monday night and Tuesday morning in the area caused substantial rises on rivers and streams around Cordova...including Eyak Lake and the Eyak River. 3.3 inches of rain was recorded at the Cordova airport Monday night and Tuesday morning (the airport is in a different climatological regime than the town...which is close to 15 miles away). Water covered the city runway (which is adjacent to Eyak Lake) and the adjacent road. Some yards along the Eyak River, which drains the lake, had water in them. Ground water problems also resulted in seepage to some basements.

Copr River Basin / Glennallen

Mccarthy	**13**	**1400AST**	**0**	**0**	**10K**	**Flood**
	14	**0820AST**				

Heavy rains in the northern and eastern Copper River Basin Tuesday night and Wednesday caused a significant rise in water levels on the McCarthy Creek (in the town of McCarthy). A footbridge was washed out Wednesday afternoon and the "old powerhouse" in McCarthy was within 6 inches of flooding. Along the McCarthy Road...from Crystal Lake to McCarthy, water was reported blowing over the road at low spots where no culverts existed.

Copr River Basin / Glennallen

Copper Center	**14**	**0720AST**	**0**	**0**	**25K**	**Flood**
	15	**1000AST**				

On Thursday morning, reports were received that significant rises had occurred on all tributaries draining into the Copper River. The Tazlina, Klutina and other streams and rivers in the western Copper Basin crossing the Richardson Highway were reported to be flowing at extremely high levels and were causing flooding in some areas. Earlier on Wednesday, McCarthy Creek in the eastern Copper Basin caused very minor flooding Wednesday as a result of heavy rains during the beginning of the week. (these high water levels had dropped below concern levels Thursday morning). The Tazlina River was flowing over a dike on the north side of the river (which was designed to protect the bridge abutments) Thursday morning.. Water levels on the south side of the river had reached some driveways. High water on the Klutina River near the highway caused minor flooding of a campground.

Early Friday additional information clarified the situation. The Tazlina River rose due to a combination of 3 glacier lake releases and the locally heavy rains in the Chugach Mountains. The river crested late Thursday afternoon, causing minor flooding to 3 homes and some erosion near the highway bridge. By Friday morning water levels had dropped 8 to 10 inches from the crest.

AKZ021 — Western Alaska Peninsula

28	**1200AST**	**0**	**0**		**High Wind (G43)**
	2359AST				

A moderate front moving through the area was preceded by brisk southeast winds across the Alaska Peninsula locally gusting near 49 mph at Cold Bay.

AKZ010>011 — Yukon-Kuskokwim Delta - Bristol Bay Coastal

30	**0000AST**	**0**	**0**		**High Wind (G44)**
	2359AST				

A moderate eastern Bering Sea low intensified to 984mbs. and moved to just north of Nunivak Island at 10am Saturday. The low then moved east into the Yukon-Kuskokwim River Delta area and began to slowly weaken. Brisk southeasterly winds preceded the low...gusting to 51 mph in both areas.

Storm Data and Unusual Weather Phenomena

August 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ALASKA, Southern

AKZ018 **Cook Inlet-Susitna Valley**

	30	**1200AST** **1300AST**			**0**	**0**			**High Wind (G38)**

A moderate front moved into Cook Inlet Saturday, producing southeasterly wind gusts near 45 mph along the Upper Anchorage hillside and through Turnagain Arm.

AKZ021>022 **Western Alaska Peninsula - Eastern Aleutians**

	31	**0000AST** **1600AST**			**0**	**0**			**High Wind (G40)**

A secondary coldfront passed southeastward across the area...bringing wind gusts up to 46 mph near Dutch Harbor and across Unimak Island.

AMERICAN SAMOA

NOT RECEIVED.

ARIZONA, Central and Northeast

Coconino County

Leupp	**03**	**1400MST** **1700MST**			**0**	**0**	**1K**	**0**	**Flash Flood**

Flash flooding of state highway 99 south of Leupp. Two drainage ditches and a small stock pond filled rapidly with water which then flowed across highway 99, 2 miles south of Leupp. Arizona Dept. of Transportation road crews reported one to two feet of water flowing rapidly across a 100 foot stretch of the highway and eroding embankments on either side of the road.

Navajo County

Dilkon	**03**	**1400MST** **1700MST**			**0**	**0**	**5K**		**Flash Flood**

Flash flooding was reported along Indian Reservation Route 60 just northwest of Dilkon. Strong thunderstorms with heavy rain 5 miles northeast of Dilkon, produced heavy runoff in Dilkon. Several washes and drainage ditches flooded sending up to 5 foot deep water through the Navajo Tribal Utilities Administration office and maintenance yard and flooding route 60. About 100 feet of chain link fence was destroyed and several vehicles suffered water damage. Twelve 30 foot long telephone poles that were stored in the maintenance yard were carried across the yard and into the fence.

Coconino County

2 E Flagstaff	**04**	**1430MST** **1440MST**			**0**	**0**	**0**	**0**	**Funnel Cloud**

Funnel Cloud sighted by off-duty NWS Meteorologist.

Coconino County

Winona	**04**	**1630MST** **1745MST**			**0**	**0**	**1K**		**Urban/Sml Stream Fld**

Minor flooding of dirt roads and ponding of water in Winona.

Gila County

Strawberry	**04**	**1830MST** **1835MST**			**0**	**0**	**1K**	**0**	**Thunderstorm Wind (G50)**

Strong thunderstorm winds downed several telephone poles in Strawberry.

Gila County

Payson	**04**	**1955MST** **2000MST**			**0**	**0**	**1K**	**0**	**Thunderstorm Wind (G50)**

Strong thunderstorm winds knocked out phone service.

Coconino County

2 W Parks	**05**	**1140MST** **1210MST**			**0**	**0**	**0**	**0**	**Hail (0.75)**

Three quarter inch diameter hail reported by the public and covering the ground to 7 inches deep. Dense fog developed as the hail melted reducing visibility to less than 1/4 mile.

Yavapai County

Chino Vly	**05**	**1400MST** **1420MST**			**0**	**0**	**5K**	**0**	**Thunderstorm Wind (G55)**

Strong Thunderstorm wind caused some damage in the Chino Valley area. Electrical power was knocked out when lightning hit a transformer. The power outage lasted 30 minutes. A cabana was torn off a trailer home. A section of the cabana with a swamp cooler attached was thrown 50 feet, while the rest of the cabana's roof was thrown 100 feet by the wind, and landed in an adjacent street.

Storm Data and Unusual Weather Phenomena

August 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ARIZONA, Central and Northeast

Yavapai County

10 NE Prescott | **05** | **1500MST 1520MST** | | | **0** | **0** | **2K** | **0** | **Thunderstorm Wind (G65)**

Strong thunderstorm winds knocked down several telephone poles.

Navajo County

3 W Greasewood | **05** | **1720MST 1745MST** | | | **0** | **0** | **1K** | **0** | **Urban/Sml Stream Fld**

Steamboat Wash flooded over Indian Reservation Route 15 just west of Greasewood.

Coconino County

Flagstaff | **08** | **1300MST 1330MST** | | | **0** | **0** | **0** | **0** | **Hail (1.00)**

Three public reports were received of one inch diameter hail in the western sections of Flagstaff. Also in conjunction to this report a weather spotter reported minor street flooding in Flagstaff shortly after the hail.

Gila County

25 ENE Payson | **08** | **1525MST 1535MST** | | | **0** | **3** | **4K** | **0** | **Thunderstorm Wind (G60)**

A large tree was blown down by strong thunderstorm winds and fell down on a car in the community of Christopher Creek. Inside the car one person was seriously injured and 2 small children received minor injuries.

Coconino County

Supai | **10** | **1000MST 1230MST** | | | **0** | **0** | **300K** | **0** | **Flash Flood**

Heavy rain from training thunderstorms caused a flash flood along Cataract Creek in the village of Supai, capital of the Havasupai Tribe. Power, water and sewage were washed out. Many homes and structures flooded. About 400 campers and residents were evacuated by helicopter. Red cross, BIA, National Guard, the Arizona DPS, a contract helicopter firm, and local law enforcement participated in the evacuation.

Coconino County

8 NW Supai | **10** | **1145MST 1300MST** | | | **0** | **0** | **5K** | **0** | **Flash Flood**

A large white water raft was washed away during minor flooding along Havasu Creek and the Colorado River in Grand Canyon National Park. No people were in the raft and it was recovered, but damaged, several days later.

Coconino County

27 NNE Flagstaff | **11** | **1715MST 1735MST** | | | **0** | **0** | **0** | **0** | **Hail (1.00)**

One inch diameter hail reported at the Wupatki National Monument.

Navajo County

Snowflake | **11** | **1715MST 1845MST** | | | **0** | **0** | **0** | **0** | **Urban/Sml Stream Fld**

Minor rural road flooding in the Snowflake area.

Coconino County

5 SE Page | **12** | **1430MST 1730MST** | | | **11** | **1** | **0** | **0** | **Flash Flood**

Eleven hikers and tourists were drowned by a flash flood in a narrow slot canyon 5 miles southeast of Page. A severe thunderstorm 3 to 5 miles upstream produced very heavy rain causing a 10-30 foot wall of water to crash down Antelope Canyon. In the area of the flood fatalities the depth and width of Antelope Canyon varies from about 20 feet across and 30 feet deep to points where it is 200 feet deep but only two (2) feet across. It is a popular site for hiking and photography where access is via rope ladders controlled by Navajo Nation representatives. The eleven who died and a tour guide were warned not to enter the canyon because of the flood potential from an approaching thunderstorm. The tour guide alone survived after being carried several miles downstream by the flood. M40IW, F36IW, F28IW, F20IW, F19IW, F24IW, M22IW, M45IW, M36IW, F32IW, M29IW

Yavapai County

Mayer | **14** | **1150MST 1205MST** | | | **0** | **0** | **0** | **0** | **Hail (1.50)**

One and a half (1.5) inch diameter hail reported in Mayer.

Gila County

27 ENE Payson | **14** | **1450MST 1500MST** | | | **0** | **0** | **0** | **0** | **Hail (0.88)**

Nickel size hail (0.88 in.) reported by a spotter near the community of Christopher Creek.

Storm Data and Unusual Weather Phenomena

August 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
ARIZONA, Central and Northeast									
Yavapai County									
Cornville	**17**	**1600MST** **1830MST**			**0**	**0**	**10K**	**0**	**Flash Flood**
Several roads were flooded in Cornville. Two cars were totally submerged in a wash. The vehicle owners parked the cars in the wash when it was dry to go off-road on motorcycles.									
Yavapai County									
7 NE Prescott	**23**	**1100MST** **1330MST**			**0**	**0**	**0**	**0**	**Flash Flood**
Minor flooding at the Castle Canyon Mesa area in Prescott Valley.									
Coconino County									
Page	**23**	**1655MST** **1700MST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
0.75 inch diameter hail reported by the public.									
Coconino County									
Flagstaff	**25**	**1300MST** **1500MST**			**0**	**0**	**0**	**0**	**Urban/Sml Stream Fld**
Minor street flooding in the Flagstaff area.									
Navajo County									
Heber	**25**	**1500MST** **1630MST**			**0**	**0**	**0**	**0**	**Urban/Sml Stream Fld**
Minor road flooding over state route 277 near Heber.									
Apache County									
Chinle	**26**	**1230MST** **1600MST**			**0**	**0**	**1K**		**Flash Flood**
Several reports of flooding around the Chinle area. First reports were received northwest of Chinle near the community of Rough Rock where Reservation Route 59 was impassable due to floodwaters. The last reports were received near Chinle where Reservation Route 27 was also flooded over.									
Navajo County									
Heber	**29**	**1330MST** **1350MST**			**0**	**0**	**0**	**0**	**Urban/Sml Stream Fld**
Minor flooding in the Heber area.									
Navajo County									
Show Low	**29**	**1400MST** **1430MST**			**0**	**0**	**0**	**0**	**Urban/Sml Stream Fld**
Minor flooding in the Show Low area.									
Yavapai County									
10 SE Bagdad	**30**	**1400MST**			**0**	**0**	**0**	**0**	**Urban/Sml Stream Fld**
Minor rural flooding over state road 96 between Hillside and Bagdad. Some rock slides were also reported near the road.									
Yavapai County									
Camp Verde	**30**	**1400MST** **1500MST**			**0**	**0**	**5K**	**0**	**Flash Flood**
Residental outbuildings flooded when a normally dry wash overflowed. Up to a foot of water washed over several rural roads in low lying areas in and near Camp Verde.									
Coconino County									
Page	**31**	**1330MST** **1430MST**			**0**	**0**	**10K**	**0**	**Flash Flood**
Power poles were knocked over by mudslides in the Wahweap area and street flooding was reported in Page.									
ARIZONA, Northwest									
Mohave County									
Lake Havasu City	**07**	**1750MST** **1800MST**			**0**	**0**			**Hail (1.00)**
Mohave County									
Lake Havasu City	**07**	**1750MST**			**0**	**0**	**20K**		**Thunderstorm Wind (G60)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ARIZONA, Northwest

Mohave County

Lake Havasu City | **07** | **1800MST 1900MST** | | | **0** | **0** | **30K** | | **Flash Flood**

A cluster of severe thunderstorms raked Lake Havasu City between 5:50 and 6:25 PM MST. Wind from the storms reportedly ripped trees out of the ground, downed power lines, and tore tiles from roofs. The city was also pelted with heavy rain and 3/4 inch diameter hail on the south side of town and up to one inch diameter hail on the north side. Subsequent flash flooding of washes swept away several vehicles and required swift water rescues of the occupants. No serious injuries were reported.

Mohave County

15 S Bullhead City to Lake Havasu City | **08** | **2315MST 2335MST** | | | **0** | **0** | **5K** | | **Thunderstorm Wind (G65)**

The Mohave County Sheriff's Office reported sustained winds at an estimated 60 mph, with gusts up to 75 mph, over an area extending from the Mohave Valley to Lake Havasu City, AZ. Visibilities were reduced to zero and some homes in Lake Havasu City sustained minor damage to roofs and windows.

Mohave County

Bullhead City | **08** | **2350MST** | | | **0** | **0** | **15K** | | **Thunderstorm Wind**

The Bullhead City Fire Department reported damaging winds resulting in broken tree branches, downed power lines, awnings torn off mobile homes and a blown down shed.

Mohave County

25 N Kingman to Kingman | **09** | **0030MST 0230MST** | | | **0** | **0** | **10K** | | **Flash Flood**

Mohave County

Kingman | **09** | **0100MST 0230MST** | | | **1** | **4** | **100K** | | **Flash Flood**

F40OT

Mohave County

13 E Kingman | **09** | **0540MST** | | | **0** | **116** | | | **Flash Flood**

Severe thunderstorms with very heavy rain began over central Mohave County around 12:30 am and ended around 2:30 am MST. Washes rapidly filled in the vicinity of Kingman and several roads were washed out. At least two cars were caught in a flooded wash and their four occupants had to be rescued by helicopter. Also, one woman was found dead hours later in a sewer drainage pond. It is unknown how she was caught in the flood waters. Another serious result occurred a few hours after the storms ended when a passenger train derailed while crossing a small bridge damaged and weakened by flood waters. Of the 302 passengers and crew members aboard, 116 were injured and of those eight sustained serious injuries.

Mohave County

Peach Spgs to Truxton | **27** | **1425MST** | | | **0** | **0** | | | **Flash Flood**

Significant flash flooding was observed between Peach Springs and Truxton by personnel at the Bureau of Indian Affairs. Truxton wash was filling rapidly and considerable water was running in Yampai and Peach Springs Canyons. The Forest Service estimated that up to three inches of rain had fallen.

Mohave County

Truxton | **27** | **1555MST** | | | **0** | **0** | | | **Hail (0.88)**

Nickel-sized hail was observed in Truxton by a storm spotter.

Mohave County

Truxton | **27** | **1555MST** | | | **0** | **0** | **1K** | | **Thunderstorm Wind**

A storm spotter in Truxton reported that strong winds from a nearby thunderstorm knocked over a fence and broke small tree limbs.

Mohave County

Kingman | **27** | **1800MST** | | | **0** | **0** | **75K** | | **Thunderstorm Wind (G65)**

Damaging winds ripped part of a roof off a house, downed several trees and knocked over a fence. Although the exact time was not known, a Skywarn Spotter also recorded a 75 mph thunderstorm gust that occurred sometime between 5:30 and 8:00 pm MST. Other events that occurred between 6 and 8 pm MST included power outages, a roof blown off a fitness center, apartment parking awnings mangled and street signs blown over and bent.

Mohave County

Topock | **27** | **1825MST** | | | **0** | **0** | | | **Hail (1.75)**

A Skywarn Spotter reported golf ball sized hail.

Mohave County

Kingman | **27** | **1830MST** | | | **0** | **0** | **0.40K** | | **Hail (0.75)**

A Skywarn Spotter reported dime-sized hail which caused minor damage to his house.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ARIZONA, Northwest

Mohave County

Kingman	**27**	**1920MST**			**0**	**0**	**10K**		**Flash Flood**

A Skywarn Spotter reported several roads around Kingman eroded and damaged and one road completely washed out. Many locations around the city had up to a foot of standing water.

ARIZONA, South

Pima County

Tucson	**01**	**1810MST** **1830MST**			**0**	**0**			**Flash Flood**

Heavy rain from thunderstorms sent a one foot wall of water down a dry wash at Harrison Road and Pantano in far eastern Tucson preventing traffic from crossing.

AZZ027 Southeast Pinal

	02	**1600MST** **1630MST**			**0**	**0**			**Dust Storm**

Thunderstorm winds caused a dust storm near Picacho reducing visibility to near zero at times.

Cochise County

Douglas	**06**	**0030MST** **0130MST**			**6**	**0**			**Flash Flood**

Six illegal aliens attempting to cross into the United States from Mexico were drowned when they tried to cross a flooded drainage ditch. F34IW, M22IW, M28IW, M18IW, M19IW, M23IW

Cochise County

Elfrida	**06**	**0200MST** **0330MST**			**0**	**0**	**10K**		**Urban/Sml Stream Fld**

Thunderstorms dumped 2-3 inches of rain which caused five homes to be flooded. Damage was mainly to carpet and furniture.

Pima County

6 NW Tucson Intl Arpt	**07**	**2040MST**			**0**	**0**	**10K**		**Lightning**

Lightning started a fire at a condominium complex.

Santa Cruz County

Sonoita	**08**	**1430MST** **1500MST**			**0**	**0**			**Flash Flood**

Several road closures due to flooding.

Greenlee County

Clifton	**08**	**1455MST** **1500MST**			**0**	**0**			**Hail (0.75)**

Pima County

Tuscon Ryan Fld Arpt	**08**	**1645MST**			**0**	**0**			**Thunderstorm Wind (G51)**

Pima County

Tucson	**08**	**1700MST**			**0**	**0**	**1K**		**Thunderstorm Wind (G50)**

Thunderstorm winds blew down several power lines.

Pinal County

Southeast Portion	**08**	**1715MST** **1815MST**			**0**	**0**			**Flash Flood**

Roads were closed due to flooding near san Manuel and Mammoth.

Pima County

Ajo	**08**	**1800MST** **1830MST**			**0**	**0**	**3K**		**Thunderstorm Wind**

Thunderstorm winds caused roof damage to two buildings and several signs were blown over.

Pima County

East Portion	**08**	**1845MST** **2030MST**			**0**	**0**			**Flash Flood**

Several roads and wash crossings closed due to flooding. Two and one half feet of water flowing in Brawley wash at Three Points.

Pima County

Tuscon Ryan Fld Arpt	**09**	**1820MST**			**0**	**0**			**Thunderstorm Wind (G55)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ARIZONA, South

Santa Cruz County

Nogales — **12** — **1300MST** — **0** — **0** — **5K** — **Flash Flood**

The Mia Casa mobile home park in the west portion of Nogales was flooded with water 3-4 feet deep. Damage to a few cars and several homes.

Pima County

Tucson — **12** — **2000MST** **2030MST** — **0** — **0** — **Flash Flood**

Firefighters pulled three people from their cars when they became stranded in swift 2-foot-deep water in Pantano Wash at South Harrison Road.

Pima County

Tucson — **13** — **1600MST** — **0** — **1** — **Lightning**

A 72 year old man suffered burns on his right leg and pelvis when lightning struck nearby.

Pinal County

7 SW Dudleyville — **13** — **1615MST** **1645MST** — **0** — **0** — **Flash Flood**

Dirt roads in the area were impassable due to flooding.

Pima County

Tuscon Ryan Fld Arpt to Tucson — **13** — **1823MST** **1830MST** — **0** — **0** — **7K** — **Thunderstorm Wind (G78)**

Thunderstorm winds gusting to 78 kts snapped a power pole knocking out power to 1700 customers and toppled a tree onto a house.

Pima County

Tucson — **13** — **1900MST** **2000MST** — **0** — **0** — **Flash Flood**

In west Tucson one car was caught in flooded wash with water above the windows. Also several underpasses were flooded with 1-2 feet of water.

Cochise County

Benson — **17** — **1425MST** — **0** — **0** — **3K** — **Thunderstorm Wind**

Thunderstorm winds blew down several power lines.

Cochise County

Benson — **17** — **1433MST** **1450MST** — **0** — **0** — **Flash Flood**

Benson police reported flooding in downtown Benson and numerous traffic accidents on Interstate 10 due to zero visibility in heavy rain.

Pinal County

Red Rock to Picacho — **17** — **1100MST** **1130MST** — **0** — **0** — **Hail (0.75)**

Pinal County

Red Rock to Picacho — **17** — **1100MST** **1130MST** — **0** — **0** — **Thunderstorm Wind (G60)**

Pinal County

Oracle — **17** — **1200MST** **1210MST** — **0** — **0** — **Thunderstorm Wind (G60)**

Pinal County

Southwest Portion — **17** — **1200MST** **1300MST** — **0** — **0** — **Flash Flood**

Thunderstorms blew some large trees down between Red Rock and Picacho and also dropped large hail. Thunderstorms winds also blew down some large trees, some as high as 40 feet, near Oracle. Thunderstorms with very heavy rain caused flash flooding between Red Rock and Arizona City closing 15 roads and washing out one road stranding 60 residents.

Cochise County

5 ESE Ft Huachuca — **23** — **1420MST** **1422MST** — **0.1** — **10** — **0** — **0** — **Tornado (F0)**

Tornado captured on video tape touched down in open country for about 50 feet. No damage was observed.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
ARIZONA, South									
Graham County									
10 S Safford	**24**	**1830MST**			**0**	**0**			**Flash Flood**
Flooding was reported across state highway 191.									
Pima County									
Sahuarita	**28**	**1530MST** **1600MST**			**0**	**0**			**Flash Flood**
Santa Cruz County									
Rio Rico	**28**	**1530MST** **1600MST**			**0**	**0**			**Flash Flood**
Santa Cruz County									
Rio Rico	**28**	**1530MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Thunderstorms brought heavy rain to Rio Rico causing flooding across several roads and also washed debris across Interstate 19. One vehicle was stuck in the water. winds blew down several street signs. This same thunderstorms caused flooding across Elephant Head Road near Sahuarita.									
Pima County									
West Portion	**28**	**1830MST** **1930MST**			**0**	**0**			**Flash Flood**
Radar estimated rainfall up to 6 inches caused flooding across road south of Topawa in which one vehicle was washed away. Further west flood waters went across many spots along highway 85 near Organ Pipe Cactus National Monument and east of Ajo on highway 86.									
Pinal County									
Southeast Portion	**30**	**1900MST** **2030MST**			**0**	**0**			**Flash Flood**
Heavy rain in the Aravaipa Canyon Wilderness area southeast of Dudleyville caused a 4-5 foot rise in Aravaipa Creek.									
ARIZONA, Southwest									
Pinal County									
Florence	**01**	**1758MST** **1900MST**			**0**	**0**			**Flash Flood**
Sand bags were used on Main Street due to one to two feet of water flowing across the road. Weather spotter recorded 2.5 inches of rain from the storm.									
Pinal County									
Florence	**01**	**1758MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Spotter reported numerous trees were blown down, roofs damaged, and power poles downed. Some streets had to be closed due to live wires down across the roads. A tin roof completely lifted off an adobe home and was dumped into yard. The spotter observed sheet metal flying past his window during the storm.									
Maricopa County									
Scottsdale	**01**	**1948MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Thunderstorm winds blew down 16 power poles near the intersection of Scottsdale Road and Sweetwater Avenue.									
Maricopa County									
Queen Creek	**02**	**1800MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Power line downed near Crismon Road and Queen Creek Road.									
Maricopa County									
5 SE Gila Bend	**05**	**1453MST**			**0**	**0**			**Thunderstorm Wind (G53)**
Maricopa County									
Gila Bend Muni Arpt	**05**	**1455MST**			**0**	**0**			**Thunderstorm Wind (G61)**
Yuma County									
Wellton	**05**	**2057MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Several downed power poles.									
La Paz County									
Bouse	**05**	**1730MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Roofs were blown off garages, and tin sheds were blown around.									
La Paz County									
10 SE Salome	**07**	**1756MST**			**0**	**0**			**Hail (1.75)**
Golf ball sized hail significantly damaged crops.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
ARIZONA, Southwest									
La Paz County									
Salome	**07**	**1800MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Wind knocked down several power lines.									
Pinal County									
Maricopa	**08**	**1933MST**			**0**	**0**			**Thunderstorm Wind (G56)**
Maricopa County									
Luke Afb	**08**	**1946MST**			**0**	**0**			**Thunderstorm Wind (G51)**
Maricopa County									
5 NE Buckeye	**08**	**2020MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Maricopa County									
Gila Bend	**08**	**2100MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Maricopa County									
Peoria	**14**	**1810MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Clay tiles blown off roof of Target store.									
Maricopa County									
Buckeye	**14**	**1835MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Maricopa County									
Mesa	**14**	**1835MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Several large trees down in east Mesa.									
Maricopa County									
Phoenix	**14**	**1835MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Several power lines blown down in northwest Phoenix.									
Maricopa County									
New River	**14**	**1843MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Power lines blown down.									
Maricopa County									
Tempe	**14**	**1845MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Power lines blown down.									
Maricopa County									
Luke Afb	**14**	**1855MST**			**0**	**0**			**Thunderstorm Wind (G51)**
Maricopa County									
Gilbert	**14**	**1856MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Winds blew down several large trees which subsequently knocked down power lines.									
Maricopa County									
Mesa	**14**	**1905MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Portion of a roof blew off a house in east Mesa.									
Maricopa County									
Tempe	**14**	**1915MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Several more power lines blown down in Tempe.									
Pinal County									
Casa Grande	**14**	**1925MST**			**0**	**0**			**Funnel Cloud**
Three funnel clouds were sighted.									
Maricopa County									
Mesa	**14**	**1940MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Large two-foot diameter tree uprooted at the intersection of Longmore Road and Southern Avenue.									
Maricopa County									
Queen Creek	**14**	**2005MST**			**0**	**0**			**Funnel Cloud**
Pinal County									
Superior	**14**	**2030MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Part of a trailer roof was blown off. Signs along a road were blown down.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ARIZONA, Southwest

Pinal County

Casa Blanca **14** **1815MST** **1830MST** **0** **0** **Thunderstorm Wind (G60)**

In the vicinity of Casa Blanca Road and Ruins Road, a microburst caused damage to a softball field where dugouts were blown over and smashed, with one piece of dugout blown across the road. It also blew a prefabricated home off its foundation. A satellite dish was uprooted, and two power poles snapped. Roof damage was observed, a stop sign was twisted and blown over, and an awning was blown off at the southeast corner of Casa Blanca Road and Ruins Road.

Pinal County

Casa Blanca **14** **1915MST** **1930MST** **0** **1** **Thunderstorm Wind (G70)**

The second of two microbursts struck Casa Blanca, this one with more fury. It produced damage in the vicinity of Southern Road and Ruins Road, and destroyed three trailers, snapped eight power poles, knocked down trees, and caused minor injuries to one individual.

Maricopa County

Buckeye **17** **1355MST** **0** **0** **Thunderstorm Wind (G61)**

La Paz County

Wenden **17** **2200MST** **0** **0** **Flash Flood**

Centennial Wash filled with water due to heavy thunderstorm rains. La Paz County Sheriff's Office reported that the water flowed across Highway 60 near Wenden and caused some damage to the highway.

Yuma County

Tacna **22** **1733MST** **0** **0** **Thunderstorm Wind (G52)**

Thunderstorm winds knocked down six power poles.

Maricopa County

Mesa **26** **0755MST** **0** **0** **Funnel Cloud**

Funnel cloud spotted south-southwest of the Superstition Freeway near Dobson Road.

Maricopa County

Tempe **26** **0805MST** **0** **0** **Funnel Cloud**

A rain-wrapped funnel cloud was sighted about 5 to 7 miles south of the intersection of Hardy Drive at University Drive.

Maricopa County

Scottsdale **26** **0830MST** **0** **0** **Thunderstorm Wind (G52)**

In the area of Pima Road at McDonald Drive, reports of chaparral trees and fences down, roofs blown off, and plate glass windows blown out.

Maricopa County

Scottsdale **26** **0830MST** **0** **0** **Thunderstorm Wind (G53)**

Wind gust recorded at Scottsdale Community College.

Maricopa County

Phoenix **26** **0930MST** **0** **0** **Thunderstorm Wind (G50)**

Between 48th Street and 52nd Street near Baseline Road, trees were blown down; at the South Pointe Resort, strong winds twisted metal beams and blew a roof partially off.

Maricopa County

Scottsdale **26** **0830MST** **1000MST** **0** **0** **Flash Flood**

An outbreak of thunderstorms in Scottsdale produced very heavy rainfall which caused some localized flooding. Automobiles were stuck in Indian Bend Wash at McCormick Parkway between Hayden Road and Scottsdale Road. Water flowing through Indian Bend Wash rose to three feet which forced some roads to close for a time. Rainfall totals around the area were between one and two inches.

Maricopa County

Chandler **26** **0930MST** **0** **0** **Thunderstorm Wind (G50)**

Power lines were blown down across Interstate 10 near the Chandler Boulevard exit.

Maricopa County

Chandler **26** **0900MST** **0** **1** **50K** **Lightning**

Lightning struck a house in Chandler slightly injuring a woman. It struck phone lines, power lines, and plumbing in the house igniting a blaze which caused an estimated $50,000 damage to the upstairs bathroom, bedrooms, and attic. The woman was injured while talking on the phone when the lightning travelled along the phone cord and grazed her face and neck.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ARIZONA, Southwest

Yuma County

Dome **26** **1810MST** **0** **0** **Thunderstorm Wind (G50)**

Downed power lines on Dome Valley Road. A woman was trapped in her car due to the downed power lines. Further, 15 power poles were downed in Dome Valley.

Yuma County

Dateland **27** **1745MST** **0** **0** **Hail (0.75)**

Yuma County

Dateland **27** **1750MST** **0** **0** **Flash Flood**
1900MST

Slow-moving thunderstorms pounded Dateland with a rainfall total of 3 inches. As a result, some side roads were barricaded due to high water.

Yuma County

Dateland **27** **1745MST** **0** **0** **27K** **Thunderstorm Wind (G52)**

Strong thunderstorm winds damaged a school, a storage building, and several porches and awnings. AC units and awnings at the school sustained $7,000 damage and residential areas sustained $20,000 total damage.

La Paz County

Salome **28** **2215MST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorms produced damaging winds which knocked down some trees near Salome.

La Paz County

5 NW Bouse **30** **1635MST** **0** **0** **Flash Flood**

Heavy thunderstorm rains produced running water over roads along Highway 72 northwest of Bouse. The flowing water carried rocks, tree stumps, and railroad ties across the roads.

ARKANSAS, Central and North Central

Saline County

1 W Traskwood **13** **1335CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds downed some trees.

Grant County

Sheridan **13** **1350CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds knocked down some trees.

Jefferson County

Pine Bluff **13** **1400CST** **1** **1** **Lightning**

Two men were standing near a bulldozer when lightning struck the bulldozer. The lightning travelled through the ground and struck them. One man sustained minor injuries and was later released from the hospital. The second man suffered a heart attack after being struck. He eventually died from his injuries about 2 weeks later.
M46EQ

Franklin County

5 N Ozark **14** **1530CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds downed several trees and damaged the roofs of some buildings.

Newton County

Deer **14** **1600CST** **0** **0** **Hail (0.88)**
1605CST

Hail up to nickel size damaged several roofs.

Boone County

Harrison **14** **1618CST** **0** **0** **Hail (1.00)**

Boone County

Harrison **14** **1632CST** **0** **0** **Thunderstorm Wind (G50)**

Some trees were blown down near Harrison.

Boone County

Harmon **14** **1635CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds downed some trees.

Searcy County

Witts Spgs **14** **1635CST** **0** **0** **Hail (0.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ARKANSAS, Central and North Central

Lonoke County

7 NW Cabot **14** **1650CST** **0** **0** **Thunderstorm Wind (G50)**

Several trees were knocked down at the intersection of Highways 5 and 319.

Marion County

2 N Yellville **14** **1650CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds blew down some trees.

Marion County

Flippin **14** **1705CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds knocked down some trees and power lines.

Baxter County

Cotter **14** **1715CST** **0** **0** **Thunderstorm Wind (G50)**

Several large trees were blown down onto a house. The house sustained minor damage.

Baxter County

3 SE Mountain Home **14** **1730CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds blew down some trees.

Baxter County

1 N Mountain Home **14** **1730CST** **0** **0** **Thunderstorm Wind (G50)**

Some trees were blown down just north of Mountain Home.

Baxter County

1 S Norfork **14** **1740CST** **0** **0** **Thunderstorm Wind (G50)**

A few trees were blown down onto a house just south of Norfork.

Van Buren County

3 ENE Clinton **14** **1740CST** **0.1** **20** **0** **0** **Tornado (F0)**

An F0 tornado touched down very briefly about 3 miles east-northeast of Clinton. The only damage noted along the path of the tornado was a few trees that were knocked down.

Conway County

Cleveland **14** **1745CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds downed some trees.

Fulton County

Gepp **14** **1755CST** **0** **0** **Thunderstorm Wind (G50)**

Several signs were blown down.

Van Buren County

Bee Branch **14** **1755CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds knocked down some trees.

Cleburne County

Edgemont **14** **1810CST** **0.1** **20** **0** **0** **Tornado (F0)**

An F0 tornado touched down very briefly near Edgemont. A couple of downed trees were the only damage noted along the path of the tornado.

Fulton County

Mammoth Spg **14** **1835CST** **0** **0** **Hail (0.75)**

Fulton County

Mammoth Spg **14** **1835CST** **0** **0** **Thunderstorm Wind (G50)**

Some large limbs were blown down.

Cleburne County

Ida **14** **1835CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds downed some large tree limbs and power lines.

Cleburne County

5 SE Heber Spgs **14** **1835CST** **0** **0** **Thunderstorm Wind (G50)**

Several trees were blown down.

Sharp County

Ash Flat **14** **1845CST** **0** **0** **Thunderstorm Wind (G50)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ARKANSAS, Central and North Central

Sharp County

Hardy 14 1845CST 0 0 **Thunderstorm Wind (G50)**

Sharp County

Williford 14 1900CST 0 0 **Thunderstorm Wind (G50)**

Thunderstorm winds knocked down a number of large limbs and power lines across parts of Sharp County.

Sharp County

Cherokee Vlg 14 1845CST 0 0 **Lightning**

A bolt of lightning struck a tree and snapped it off, causing it to fall onto a house. Extensive damage resulted to the roof of the house and an adjoining deck.

Faulkner County

Guy 14 1855CST 0 0 **Thunderstorm Wind (G50)**

Thunderstorm winds blew down some trees and large tree limbs.

White County

5 N Searcy 14 1855CST 0 0 **Thunderstorm Wind (G50)**

Several trees were knocked down.

Conway County

3 N Jerusalem 14 1900CST 0 0 **Hail (0.75)**

Woodruff County

Patterson 14 2025CST 0 0 **Thunderstorm Wind (G50)**

Thunderstorm winds blew down several trees onto a house.

Izard County

3 N Melbourne 19 1330CST 0 0 **Thunderstorm Wind (G50)**

Thunderstorm winds downed some large tree limbs.

Sharp County

4 N Sitka 19 1330CST 0 0 **Thunderstorm Wind (G50)**

Several trees were blown down.

Jackson County

Newport 19 1610CST 0 0 **Thunderstorm Wind (G50)**

Thunderstorm winds downed some trees and large tree limbs.

Bradley County

Warren 20 1355CST 0 0 **Hail (0.75)**

Drew County

3 E Collins 20 1400CST 0 0 **Thunderstorm Wind (G50)**

Thunderstorm winds blew down some trees.

Dallas County

7 N Fordyce 20 1420CST 0 0 **Hail (0.88)**

Grant County

10 SW Sheridan 20 1436CST 0 0 **Hail (1.75)**

Cleveland County

Kingsland 20 1500CST 0 0 **Thunderstorm Wind (G50)**

Thunderstorm winds downed some trees and power lines.

Bradley County

Warren 20 1505CST 0 0 **Hail (0.88)**

Jefferson County

8 NW Pine Bluff 20 1510CST 0 0 **Thunderstorm Wind (G50)**

Thunderstorm winds downed some tree limbs.

Bradley County

3 E Hermitage 20 1515CST 0 0 **Thunderstorm Wind (G50)**

Thunderstorm winds blew the roof off a house.

Dallas County

Carthage 20 1531CST 0 0 **Thunderstorm Wind (G50)**

Several trees were blown down.

Storm Data and Unusual Weather Phenomena

August 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ARKANSAS, Central and North Central

Cleveland County

Kingsland **20** **1540CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds downed a number of trees and large limbs in and around Kingsland.

Lincoln County

Star City **20** **1600CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds downed some large trees.

Dallas County

3 N Fordyce **20** **1610CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds knocked down some power lines.

Jefferson County

Pine Bluff **20** **1620CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds knocked down some large tree limbs and power lines.

Bradley County

5 S Hermitage **20** **1700CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds blew down several trees.

Franklin County

10 N Ozark **20** **1715CST** **0** **0** **Thunderstorm Wind (G50)**

A number of power lines were knocked down.

Franklin County

1 N Ozark **20** **1720CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds blew down some large tree limbs.

White County

Searcy **31** **1300CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds knocked down some power lines and damaged the roofs of several buildings.

Sharp County

6 E Center **31** **1540CST** **0** **0** **Hail (1.75)**

Sharp County

6 E Center **31** **1540CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds knocked down a few trees.

ARKANSAS, East

Mississippi County

Gosnell **13** **0130CST** **0930CST** **0** **0** **1K** **Urban/Sml Stream Fld**

A subdivision which usually floods during heavy rain events was flooded. Water covered several roads in the subdivision for a few hours.

ARKANSAS, Northwest

Madison County

Clifty **14** **1525CST** **0** **0** **Hail (0.88)**

Madison County

Clifty **14** **1530CST** **0** **0** **Hail (0.88)**

Carroll County

3 N Metalton **14** **1550CST** **0** **0** **Hail (1.75)**

Carroll County

Rudd **14** **1610CST** **0** **0** **Hail (0.75)**

Isolated severe thunderstorms developed in extreme northwest Arkansas during the afternoon of August 14th and produced golfball size hail 3 miles north of Metalton, nickel size hail at Clifty, and dime size hail at Rudd.

Washington County

Lincoln **20** **1630CST** **0** **0** **Thunderstorm Wind (G52)**

A severe thunderstorm produced 60 mile an hour winds which blew down large tree limbs in Lincoln.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ARKANSAS, Southeast

Ashley County

Milo — **20** — **1605CST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Several trees were blown down..

ARKANSAS, Southwest

Sevier County

De Queen — **13** — **1440CST** — **0** — **0** — **Thunderstorm Wind (G60)**

Several trees down.

Lafayette County

10 NW Lewisville — **20** — **1750CST** — **0** — **0** — **Thunderstorm Wind (G60)**

Winds were estimated by local observer. Trees and powerlines were toppled by the winds.

Miller County

5 W Garland — **20** — **1820CST** — **0** — **0** — **Thunderstorm Wind (G60)**

Numerous trees and powerlines were toppled resulting in local power outages.

Miller County

Kiblah to Doddridge — **20** — **1850CST** — **0** — **0** — **Thunderstorm Wind (G70)**

Numerous trees and powerlines down along Hwy 71.

CALIFORNIA, Extreme Southeast

NONE REPORTED.

CALIFORNIA, North Central

San Joaquin County

Lodi — **19** — **1130PST** — **0** — **3** — **Lightning**

1145PST

Lightning struck a metal vine support in a vineyard near Lodi, injuring three workers.

CALIFORNIA, Northeast

NONE REPORTED.

CALIFORNIA, Northwest

NONE REPORTED.

CALIFORNIA, South Central

Fresno County

50 ENE Fresno — **06** — **1300PST** — **0** — **0** — **1.9M** — **Wild/Forest Fire**

14 — **1700PST**

Named the "Choke Fire" it burned more than 3900 acres in the high country of the Southern Sierra Nevada in the Sequoia National Forest. It was a lightning caused fire from thunderstorms associated with monsoonal moisture.

Kern County

4 SE Onyx to 5 SE Onyx — **08** — **1100PST** — **0** — **0** — **3M** — **0** — **Wild/Forest Fire**

16 — **1800PST**

Named the "Jacks Fire"; Southwest of Walker Pass in the Southern Sierra Nevada in Sequoia National Forest. It was a lightning caused fire from thunderstorms developing from monsoonal moisture. It burned a total of 5693 acres. No injuries or structures were reported lost.

CAZ021 — Southern San Joaquin Valley

19 — **1300PST** — **0** — **0** — **100K** — **Dust Storm**

1800PST

Blowing dust in the South San Joaquin Valley from points east to south of Bakersfield obscured visibilities to near zero in 40 MPH wind.

Kern County

6 ENE Bakersfield — **19** — **1300PST** — **0** — **1** — **400K** — **Wild/Forest Fire**

20 — **0500PST**

Two homes destroyed and 4000 acres of grassland were burned.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

CALIFORNIA, South Central

Kern County

10 WSW Tehachapi	**19**	**1300PST** **2100PST**			**0**	**0**	**200K**		**Wild/Forest Fire**

1151 acres of grassland and forest were destroyed.
A gradient wind (non-thunderstorm) with speeds at 40 MPH plus was caused by the old center of Hurricane Ignacio moving over the San Joaquin Valley. Arsonist started blazes, named the "Chocktaw Fire," pushed into homes northeast of Bakersfield and two were destroyed with 4 others damaged. One firefighter was burned while fighting the fire. The damage cost was estimated. This same wind also was responsible for starting a fire in the Tehachapi Mountains by arcing power lines. Over 1150 acres were burned in the "Comanche Fire" located 10 miles WSW of Tehachapi. Points 8 miles east to 17 miles south of Bakersfield in the Southern San Joaquin Valley also experienced visibilities to near zero in blowing dust from this event. Numerous minor traffic accidents occurred but no injuries or fatalities were reported from California Highway Patrol. Damage costs for the blowing dusts were estimated. Crop damage may have occurred but not assessable by the County Ag Commissioner.

CALIFORNIA, Southeast

San Bernardino County

10 N Joshua Tree	**03**	**1320PST**			**0**	**0**			**Hail (0.75)**

San Bernardino County

Joshua Tree	**03**	**1400PST**			**0**	**0**			**Flash Flood**

San Bernardino County

8 E Twenty Nine Palms	**03**	**1428PST**			**0**	**0**			**Thunderstorm Wind (G74)**

An episode of severe thunderstorms in extreme southwest San Bernardino County dropped dime-sized hail and heavy rain in Landers, flooded and closed five roads around Joshua Tree and produced 50 mph sustained winds with a gust of 85 mph recorded at Twentynine Palms airport.

San Bernardino County

Baker	**03**	**1537PST**			**0**	**0**			**Thunderstorm Wind (G52)**

A weather spotter in Baker reported winds estimated at 55 to 60 mph from a nearby thunderstorm. No damage was reported.

San Bernardino County

16 S Needles	**07**	**1733PST**	**0.1**	**25**	**0**	**0**			**Tornado (F0)**

A Mohave County Deputy Sheriff sighted a tornado briefly touching down in open country near I-40.

San Bernardino County

16 SW Needles	**07**	**1808PST**			**0**	**0**			**Funnel Cloud**

A Skywarn Spotter observed a funnel cloud near I-40 just west of Topock, AZ.

San Bernardino County

Ft Irwin	**16**	**1715PST**			**0**	**0**			**Thunderstorm Wind (G50)**

The weather observer at Fort Irwin reported a 58 mph wind gust along with pea-sized hail from a nearby thunderstorm.

CALIFORNIA, Southwest

San Diego County

4 SE Valley Center	**01** **03**	**1300PST** **0700PST**			**0**	**0**	**1.8M**		**Wild/Forest Fire**

Tinder dry brush and hot, dry weather, intensified a fire which burned 457 acres on the north side of Lake Wohlford. Although arson was blamed for starting the blaze, shifting seabreeze winds of 15 to 25 mph, helped keep it from being controlled. Eleven homes, twenty out buildings, and thirty vehicles were lost. Damage was estimated at $1.75 million

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

CALIFORNIA, Southwest

CAZ048>050-055>058-061>062 — San Bernardino County Valley/The Inland Empire - Riverside County Valley/The Inland Empire - San Diego County Valleys - San Bernardino County Mountains - Riverside County Mountains - Santa Ana Mountains And Foothills - San Diego County Mountains - Coachella Valley - San Diego County Deserts

	02 1100PST 07 1700PST	5	0			Excessive Heat

Strong High pressure aloft, and offshore pressure gradients weakened the normal seabreeze conditions for mid-summer, resulting in dangerously hot weather over all but coastal areas. The heat peaked over the inland valleys on the fifth as Riverside and Ontario both reached 110 degrees fahrenheit. The intense heat was also felt at higher elevations. Beaumont, at 2600 feet, hit 113 degrees, and Julian, at 4130 feet, hit 101. The highest temperatures were logged in the low deserts with Thermal reaching 121 degrees. The highest overnight minimum was reported at Palm Springs with a low of 93 degrees on the fifth. Only the immediate coast was spared, however on the fifth, many beach areas were well into the 90s. Five deaths were directly attributable to hyperthermia. One female was found near Dulzura on the fifth, and another elderly female collapsed in her yard in Cabazon and died early on the sixth. On the seventh, a man collapsed in a parking lot in Riverside, and another died at a residence in Flowing Wells, after walking from Mexicali. Finally, a woman from Campo was hospitalized on the eighth, and died several days later. The heat made brush fires difficult to control, and pushed electric consumption to all time records in Orange and San Diego Counties. M25PH, F39OT, F90OU, M31OU, F34OU

San Diego County

1 N Campo to 6 N Campo	03 1300PST 1415PST	0	0			Heavy Rain

Subtropical moisture flowing around a strong area of high pressure over the southwestern United States, ignited several intense thunderstorms over the mountains of San Diego County during the afternoon. One storm south of Pine Valley produced 2.75 inches of rain in one hour and fifteen minutes, along with dime size hail. The storm filled a dry creek bed to bankfull, and sent mud and debris over a four mile stretch of Buckman Springs Road, from Oak Drive to Highway 94.

Orange County

Corona Del Mar to 1 N Huntington Beach	05 0600PST 07 1500PST	1	3			Rip Currents

Surf whipped up by Hurricane Guillermo pounded beaches in Orange County with waves from 6 to 12 feet high. Hundreds of people were rescued, but rip currents were blamed for three injuries and one death. On the fifth, a 19 year old man was swept away about a mile north of the Huntington Beach Pier. His body was recovered several days later. On the sixth, a teenage boy and girl were pummelled on a beach in Corona Del Mar. Another 18 year old was pulled ashore and sent to the hospital with neck injuries. In Newport Beach, lifeguards made nearly 300 rescues on the fifth and sixth alone.
M19IW

San Diego County

Pine Vly	06 1015PST 1025PST	0	0			Funnel Cloud

A weather observer spotted a funnel cloud pendant from a thunderstorm near Pine Valley.

CALIFORNIA, Upper

Siskiyou County

8 NE Weed	20 0600PST 2200PST	0	0			Flash Flood

FLASH FLOODING AND DEBRIS FLOW DOWN WHITNEY CREEK ON NORTH SIDE OF MT. SHASTA AND ACROSS HWY 97 AFTER REMNANTS OF A TROPICAL SYSTEM PRODUCED HEAVY RAIN OVERNIGHT. DEBRIS FLOW ACROSS HWY 97 WAS 1/2 MILE WIDE AND UP TO 7 FT. DEEP. WATER AND DEBRIS DAMMED UP BEHIND ROAD ENBANKMENT AND WHITNEY CREEK CUT A NEW CHANNLE THREATENING HOMES DOWN STREAM.

CALIFORNIA, West South Central

CAZ040>041-044>047-053>054 — Ventura County Coast - Los Angeles County Coasts Including Downtown Los Angeles - Ventura County Interior Valleys - Ventura County Coastal Valleys - Santa Monica Mountains Recreation Area - Los Angeles County Valleys - Ventura County Mountains - Los Angeles County Mountains Excluding The Santa Monica Range

	03 1200PST 06 1800PST	0	0			Excessive Heat

The combination of clear skies and weak offshore flow produced record heat across Ventura and Los Angeles counties. High temperatures ranged from the 90s at the coast to around 110 in the inland valleys. Above normal relative humidity combined with the high temperatures to produce heat indices ranging from 102 to 116.

Ventura County

Piru	05 1200PST 12 1800PST	0	0	5M		Wild/Forest Fire

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

CALIFORNIA, West South Central

High temperatures combined with dry conditions to fuel a wildfire in Ventura county...north of Piru. The Hopper Canyon fire started at an oil platform in Hopper Canyon. Over 24,000 acres were burned...but no injuries were reported.

CAZ035-039>041 **Santa Barbara County Central Coast - Santa Barbara County South Coast - Ventura County Coast - Los Angeles County Coasts Including Downtown Los Angeles**

06 0600PST 0 0 Heavy Surf
07 2100PST

Hurricane Guillermo generated heavy surf across the beaches of Southern California. Average surf heights were 6 to 8 feet with local sets above 10 feet. Over 100 rescues were reported by local lifeguards.

CALIFORNIA, Western

NONE REPORTED.

COLORADO, Central and Northeast

Adams County

Westminster 04 1500MST 0 0 0 Urban/Sml Stream Fld

Jefferson County

Arvada 04 1500MST 0 0 0 Lightning

Lightning sparked a small fire to a home causing minor damage.

Jefferson County

Arvada 04 1500MST 0 0 0 Urban/Sml Stream Fld
2000MST

Several intersections were flooded as heavy rain producing thunderstorms struck the area. Several cars were damaged by the highwaters and a number of businesses were also flooded.

Larimer County

Ft Collins 04 1830MST 0 0 Flash Flood
2130MST

Minor flooding problems were reported in the Fort Collins area as thunderstorms dumped an additional 4 inches of rainfall on the already saturated soils during the evening. Additional street damaged was reported and more property flooded by the heavy rainfall.

Morgan County

Hillrose 04 2200MST 0 0 Flash Flood
05 0200MST

Heavy rain, in excess of 4 inches, caused extensive flooding problems in the Hillrose area. Floodwaters covered portions of Highway 6, east of Hillrose. In addition, several basements in the town were flooded.

Jefferson County

Lakewood 11 1430MST 0 0 128M Flash Flood
1515MST

Large hail, strong winds and torrential rain hammered portions of Lakewood and South Denver. Nearly 1 inch of rain fell in the span of 10 minutes in South Denver with a storm total of 1.81 inches reported. Street flooding was extensive as gutters and other drainage systems in the area were clogged by hail, piled several inches deep, as well as other debris.

In addition, extensive damage to cars, homes and businesses was reported as strong thunderstorm winds to 50 mph and large hail accompanied the heavy rain. Several trees were downed by the strong winds and trees stripped of their leaves by the hail. A water lily exhibition on display at the Denver Botanic Gardens was heavily damaged. Final estimates of the damage included $60 million to automobiles with another $68 million to homes and businesses.

Jefferson County

Lakewood 11 1432MST 0 0 Hail (0.75)

Denver County

South Denver 11 1440MST 0 0 Hail (1.50)

Jefferson County

Lakewood 11 1442MST 0 0 Hail (1.00)

Adams County

Aurora 11 1500MST 0 1 1K 0 Lightning

A man received minor injuries when he was struck by lightning while talking on the telephone.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
COLORADO, Central and Northeast									
Arapahoe County									
8 SW Byers to 7 S Byers	**11**	**1530MST 1634MST**			**0**	**0**			**Flash Flood**
Intense thunderstorm winds, accompanied by very heavy rain, damaged a barn and snapped several trees. In addition, flooding and flash flooding was reported along several county roads as 2.5 inches of rain fell in the area.									
Adams County									
Bennett	**14**	**1300MST**			**0**	**0**		**0**	**Dry Microburst**
Twelve motorists were injured in a multi-car accident when strong microburst winds estimated to 50 mph blew blinding dust across Interstate 70 near Bennett.									
Weld County									
1 E Hereford	**16**	**1835MST**			**0**	**0**			**Thunderstorm Wind (G62)**
Weld County									
Hereford	**16**	**1842MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Straight line winds estimated betwen 60 and 70 mph (62 kts) flattened wheat crops in the area.									
Weld County									
Grover	**16**	**1856MST**			**0**	**0**			**Hail (0.75)**
Weld County									
Grover	**16**	**1856MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Weld County									
15 ESE Grover	**16**	**1912MST**			**0**	**0**			**Hail (0.75)**
Larimer County									
6 S Poudre Park	**16**	**1935MST**			**0**	**0**			**Hail (0.75)**
Weld County									
5 SE Carr	**16**	**1950MST**			**0**	**0**			**Hail (1.00)**
Damaging wind and hail combined to break several windows of a home.									
Weld County									
Greeley	**16**	**2018MST**			**0**	**0**			**Hail (0.75)**
Douglas County									
Castle Rock	**17**	**2154MST**			**0**	**0**	**20K**	**0**	**Lightning**
Lightning struck a home sparking a fire.									
Weld County									
2 E Rockport	**18**	**1324MST**			**0**	**0**			**Hail (0.75)**
Arapahoe County									
5 NE (Bkf)Buckley Fld Nas	**18**	**1437MST**			**0**	**0**			**Dry Microburst**
Arapahoe County									
15 SE (Bkf)Buckley Fld Nas	**18**	**1510MST**			**0**	**0**			**Dry Microburst**
Dry microbursts produced two peak wind gusts to an estimated 60 mph (52 kts).									
Sedgwick County									
5 ESE Julesburg	**19**	**1708MST**	**0.1**	**50**	**0**	**0**	**0**	**0**	**Tornado (F0)**
Phillips County									
12 SE Holyoke	**21**	**1700MST 1705MST**	**0.1**	**50**	**0**	**0**			**Tornado (F1)**
A tornado touched down causing some minor wind damage to some sheds in the area.									
Sedgwick County									
12 SSE Sedgwick	**23**	**1730MST**			**0**	**0**			**Hail (0.75)**
Logan County									
15 NW Sterling	**26**	**1609MST**			**0**	**0**			**Hail (1.00)**
Washington County									
18 NW Akron	**26**	**1615MST**			**0**	**0**			**Hail (2.00)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
COLORADO, Central and Northeast									
Logan County									
14 NW Sterling	**26**	**1626MST**			**0**	**0**			**Thunderstorm Wind (G55)**
Washington County									
8 NE Akron	**26**	**1645MST**			**0**	**0**			**Hail (1.75)**
Damaging wind and hail struck portions of western Logan and northern Washington Counties. Several trees and power lines were downed, roofs and siding damaged and windows broken. Near Prewitt Reservoir, 18 miles northwest of Akron, a pole shed was pulled off its foundation and tossed. In addition, a large grain truck, gas tanks, a cattle trailer, feeder and stock tank were damaged.									
Elbert County									
6 S Simla	**26**	**2100MST**			**0**	**0**			**Tstm Wind/Hail**
Intense thunderstorms winds and large hail destroyed a barn and small shed. In addition, several windows in the home were broken and a gas tank was shifted off its foundation.									
Lincoln County									
12 S Limon	**28**	**1154MST**			**0**	**0**			**Hail (1.75)**
Lincoln County									
15 NW Karval	**28**	**1633MST** **1643MST**			**0**	**0**			**Hail (0.75)**
Lincoln County									
16 NW Karval	**28**	**1639MST**			**0**	**0**			**Hail (0.75)**
Sedgwick County									
13 SE Julesburg	**28**	**1700MST**	**0.1**	**50**	**0**	**0**	**0**	**0**	**Tornado (F0)**
Adams County									
Aurora	**31**	**1620MST**			**0**	**0**			**Hail (1.00)**
Adams County									
Aurora	**31**	**1629MST**			**0**	**0**			**Hail (1.25)**
COLORADO, East Central									
Yuma County									
8 SW Wray	**03**	**2215MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Three branches 1 to 2 inches diameter broken.									
Cheyenne County									
Kit Carson	**16**	**1945MST**			**0**	**0**			**Hail (0.88)**
Kit Carson County									
17 N Seibert	**23**	**1540MST**			**0**	**0**			**Hail (0.88)**
Yuma County									
12 S Yuma	**26**	**1943MST**			**0**	**0**			**Hail (0.88)**
Yuma County									
12 S Yuma	**26**	**1950MST**			**0**	**0**			**Hail (0.88)**
Yuma County									
4 SSE Laird	**31**	**1715MST**			**0**	**0**			**Hail (0.75)**
Wind speed estimated to 60 mph at Laird.									
COLORADO, South Central and Southeast									
Prowers County									
8 NNE Lamar	**01**	**1618MST** **1623MST**			**0**	**0**			**Hail (0.88)**
Prowers County									
2 SE Wiley	**01**	**1720MST** **1725MST**			**0**	**0**			**Hail (0.88)**
Prowers County									
23 SSW Granada	**01**	**1806MST** **1811MST**			**0**	**0**			**Hail (1.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

COLORADO, South Central and Southeast

Prowers County

25 SSW Granada	**01**	**1825MST** **1830MST**			**0**	**0**			**Hail (2.00)**

Baca County

5 ENE Two Buttes	**01**	**1852MST** **1857MST**			**0**	**0**			**Hail (1.00)**

El Paso County

2 NE Monument	**02**	**1415MST**			**0**	**0**			**Lightning**

Lightning struck a home in the Woodmoor subdivision, splintering a support truss and doing some additional damage in the attic area.

El Paso County

5 SE Calhan	**02**	**1450MST** **1455MST**			**0**	**0**			**Hail (0.75)**

El Paso County

3 NW Yoder	**02**	**1615MST** **1620MST**			**0**	**0**			**Hail (0.75)**

El Paso County

Rush	**02**	**1646MST** **1651MST**			**0**	**0**			**Hail (0.88)**

Kiowa County

4 W Haswell	**02**	**1713MST** **1718MST**			**0**	**0**			**Hail (1.00)**

Baca County

8 NW Pritchett	**02**	**1818MST** **1823MST**			**0**	**0**			**Hail (0.75)**

El Paso County

Colorado Spgs	**04**	**1848MST**			**0**	**0**			**Thunderstorm Wind (G51)**

El Paso County

Colorado Spgs	**04**	**1900MST** **2100MST**			**1**	**0**			**Urban/Sml Stream Fld**

M6IW

Heavy thunderstorm rains across Colorado Springs produced urban and small stream flooding, and caused drainage ditches to run rapidly swell to levels of 6 to 8 feet. Two boys playing in a storm drain were caught by the fast flowing water. One boy was able to pull himself to safety; the other boy, 6 year old Steven Powell, drowned and was found 5 miles downstream early the next morning.

El Paso County

9 N Colorado Spgs	**04**	**1900MST** **1905MST**			**0**	**0**			**Hail (1.00)**

Alamosa County

2 W Mosca to **2 E Mosca**	**05**	**0940MST** **0955MST**	**0.5**	**50**	**0**	**0**			**Tornado (F0)**

A series of funnel clouds with a weak thundershower moved across northern Alamosa county near Mosca. The funnel clouds touched down briefly at least twice, causing no known damage.

Baca County

9 N Springfield	**05**	**1115MST** **1330MST**			**0**	**0**			**Flash Flood**

Slow moving thunderstorms producing heavy rain totals of two to four inches flooded county roads north of Springfield early in the afternoon.

Fremont County

Canon City	**06**	**1230MST** **1415MST**			**2**	**0**			**Urban/Sml Stream Fld**

Heavy rain caused small stream and urban flooding in the Canon City area. Two young boys playing in an irrigation ditch were swept to their deaths shortly after 1:00 p.m. MST.

M11IW, M14IW

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

COLORADO, South Central and Southeast

Custer County

Wetmore	**09**	**1625MST** **1630MST**			**0**	**0**			**Thunderstorm Wind (G51)**

Pueblo County

5 NE Pueblo	**10**	**1400MST** **1600MST**			**0**	**0**	**160K**		**Lightning**

A Pueblo home was a total loss when lightning struck its wood-shingled roof.

Pueblo County

3 SW Pueblo	**11**	**1635MST** **1645MST**			**0**	**0**			**Hail (0.75)**

Pueblo County

3 SW Pueblo	**11**	**1648MST** **1653MST**			**0**	**0**			**Hail (2.00)**

Pueblo County

Pueblo	**11**	**1635MST** **1745MST**			**0**	**0**	**25M**		**Urban/Sml Stream Fld**

Thunderstorms moved through the city of Pueblo, producing rainfall amounts of 1 to 2 inches. Streets and intersections throughout the city were flooded, with some areas reporting up to 3 feet of standing water. This flooded prompted an estimated 9000 damage claims totalling $25 million dollars; $17 million in damage to homes and personal property and $8 million in damage to vehicles.

Otero County

Timpas	**11**	**1820MST** **1825MST**			**0**	**0**			**Hail (1.00)**

Las Animas County

Thatcher	**11**	**1842MST** **1847MST**			**0**	**0**			**Hail (0.75)**

Baca County

6 N Walsh	**11**	**2133MST** **2138MST**			**0**	**0**			**Hail (0.75)**

COZ080 Prowers County/Lamar And Vicinity

	12 **13**	**2000MST** **0300MST**			**0**	**0**			**Flood**

Heavy rain and debris in the Arkansas River caused above flood stage readings in western Prowers county in and near Lamar for a few hours. The flood waters caused no known damage, but did come close to a few houses on the north side of Lamar.

Bent County

1 N Hasty	**13**	**0150MST** **0155MST**			**0**	**0**			**Thunderstorm Wind (G51)**

Thunderstorm wind destroyed a carport and tossed a 14-foot diameter trampoline.

Prowers County

Lamar	**13**	**0245MST** **0430MST**			**0**	**0**			**Flash Flood**

A thunderstorm brought very heavy rain on already saturated soil that flooded many county roads and city streets and low spots to depths of one to two feet.

Prowers County

4 NE Holly	**13**	**1420MST** **1425MST**			**0**	**0**			**Hail (1.00)**

Kiowa County

10 WNW Eads	**13**	**1715MST** **1720MST**			**0**	**0**			**Hail (0.75)**

Prowers County

15 N Holly	**16**	**1940MST** **1945MST**			**0**	**0**			**Hail (1.00)**

Prowers County

10 N Holly	**16**	**2020MST** **2025MST**			**0**	**0**			**Hail (1.00)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
COLORADO, South Central and Southeast									
Prowers County									
1 N Holly	**16**	**2025MST**			**0**	**0**			**Hail (3.00)**
		2030MST							
Prowers County									
1 N Holly	**16**	**2032MST**			**0**	**0**			**Hail (3.50)**
		2037MST							
El Paso County									
7 N Colorado Spgs	**17**	**1745MST**			**0**	**0**			**Hail (0.75)**
		1750MST							
El Paso County									
6 E Colorado Spgs	**17**	**1914MST**			**0**	**0**			**Hail (0.75)**
		1919MST							
El Paso County									
7 NNE Colorado Spgs	**17**	**1745MST**			**0**	**0**			**Lightning**
	A house in the Briargate subdivision sustains minor damage after being struck by lightning.								
El Paso County									
2 W Ellicott	**19**	**1405MST**			**0**	**0**			**Hail (0.75)**
		1410MST							
Conejos County									
4 NW Antonito	**21**	**1420MST**			**0**	**0**			**Hail (0.75)**
		1425MST							
El Paso County									
6 ESE Ramah	**26**	**2105MST**			**0**	**0**			**Hail (1.75)**
		2112MST							
El Paso County									
6 ESE Ramah	**26**	**2105MST**			**0**	**0**			**Thunderstorm Wind (G61)**
		2112MST							
El Paso County									
Peyton	**28**	**1514MST**			**0**	**0**			**Hail (0.88)**
		1519MST							
El Paso County									
Calhan	**28**	**1554MST**			**0**	**0**			**Hail (0.75)**
		1559MST							
El Paso County									
1 E Yoder	**28**	**1612MST**			**0**	**0**			**Hail (0.75)**
		1617MST							
El Paso County									
Rush	**28**	**1625MST**			**0**	**0**			**Hail (0.88)**
		1630MST							
Huerfano County									
13 NE Walsenburg	**29**	**1417MST**			**0**	**0**			**Hail (0.75)**
		1422MST							
Kiowa County									
Haswell	**29**	**1725MST**			**0**	**0**			**Hail (1.00)**
		1730MST							
Bent County									
20 S Las Animas	**31**	**1600MST**			**0**	**0**			**Thunderstorm Wind (G60)**
	A brief damaging wind lifted a 9-foot camper and threw it about 30 feet.								
Bent County									
2 S Mc Clave	**31**	**1710MST**			**0**	**0**			**Thunderstorm Wind (G70)**
	A damaging microburst wind brought down large tree limbs, broke windows, and did minor damage to several campers and motor homes at Hud's Campground.								

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

COLORADO, South Central and Southeast

Bent County

1 S Mc Clave	**31**	**1715MST**			**1**	**1**	**80K**		**Thunderstorm Wind (G100)**

A damaging microburst wind, estimated to be at least 115 mph in strength struck a mobile home, rolling it a few hundred yards. The intense damage was 50 to 75 yards across. Twin brothers, Dan and Denton Cochell were in the mobile home. Dan was thrown from the mobile home and sustained a broken eye socket. Denton was rolled inside the mobile home, sustaining numerous injuries to his body, neck, and head. He died six days later. M32MH

COLORADO, West

Rio Blanco County

Rio Blanco	**05**	**2120MST** **2145MST**			**0**	**0**			**Flash Flood**

Heavy rains resulted in water and debris about a half foot deep running across the highway near Rio Blanco, temporarily stopping traffic.

Garfield County

Douglas Pass	**05**	**2130MST** **2145MST**			**0**	**0**			**Flash Flood**

Heavy rains resulted in flash flooding across highway 139 on the south side of Douglas Pass. A large amount of mud as well as boulders up to 4 feet in diameter were deposited onto the road.

Mesa County

Grand Jct	**05**	**2300MST** **2345MST**			**0**	**0**	**250K**		**Flood**

About an inch of rain fell within 20 minutes resulting in areas of street flooding. A canal was unable to contain the high runoff and resulted in flooding of a business area with muddy water 2 to 3 feet deep.

Garfield County

Rifle	**06**	**1300MST** **1400MST**			**0**	**0**	**80K**		**Flash Flood**

Heavy rains on the Bookcliff Mountains raised the water level by 6 feet in Government Creek and sent 1 to 2 feet of water roaring into the western side of Rifle. Some businesses and about a dozen homes received flood damage. In the aftermath, rocks, mud, and other debris had to be removed from roads and lawns.

La Plata County

4 N Rockwood to 6 NE Bayfield	**10**	**1400MST** **1430MST**			**0**	**0**	**10K**		**Lightning**

During a half hour period, many trees in La Plata County were struck by lightning and at least five trees fell on power lines. Several locations at or near Electra Lake and Bayfield were without power for up to 11 hours.

Rio Blanco County

30 S Rangely	**12**	**1300MST** **1320MST**			**0**	**0**	**1K**		**Flash Flood**

Heavy rains resulted in 3 feet of water and debris on highway 139. Natural gas pipe lines were exposed due to the erosion.

Montezuma County

Towaoc	**12**	**1500MST**			**0**	**0**			**Lightning**

Lightning ignited a range fire near Towaoc.

Eagle County

1 N Bond	**21**	**1315MST** **1345MST**			**0**	**0**			**Flash Flood**

Heavy rains resulted in a flash flood with a large amount of mud and other debris traversing highway 131. Mud up to 2 feet deep remained along a 60 foot section of the highway after the flood waters subsided.

San Juan County

Gladstone	**25**	**1400MST** **1430MST**			**0**	**0**	**1K**		**Flash Flood**

Heavy rains caused a flash flood which washed out a road near Gladstone.

Gunnison County

Marble	**26**	**1645MST** **1730MST**			**0**	**0**	**2K**		**Flash Flood**

A flash flood came roaring down from a creek north of Marble, crossing the main road on the northwest side of town before spilling into the Crystal River. The flood waters crossed a 100 yard section of the road, FR314, and was reported to be several feet deep. Mud and debris two feet deep remained on the road after the waters receded. A barn in the path of the flood waters was damaged, and many Aspen trees were leveled.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
COLORADO, West									
Mesa County									
32 ESE Gateway	**30**	**1335MST** **1338MST**			**0**	**0**			**Funnel Cloud**
La Plata County									
2.5 ESE Durango	**31**	**1530MST**			**1**	**0**			**Lightning**
A woman was struck by lightning on a mountain ridge while riding a mountain bike with three friends. The friends were uninjured. The victim was in between two other cyclists, separated about 15 yards apart from each other. The fourth cyclist was 75 yards further up the ridge when the lightning struck. F39OU									
CONNECTICUT, Northeast									
Hartford County									
Simsbury	**03**	**1515EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Windham County									
Chaplin	**03**	**1640EST**			**0**	**0**			**Hail (0.75)**
Several large trees up to two feet in diameter were blown down in Simsbury in Hartford County. Dime size hail was reported in Chaplin in Windham County. Up to 19,000 electric customers lost power statewide as a result of lightning strikes and gusty thunderstorm winds.									
Windham County									
Windham	**09**	**1440EST**			**0**	**0**			**Hail (0.88)**
Hartford County									
Countywide	**29**	**1000EST** **1200EST**			**0**	**0**			**Heavy Rain**
Hartford County									
Manchester	**29**	**1045EST**			**0**	**0**	**500K**		**Flash Flood**
A cold front moving very slowly across Connecticut caused an area of showers and thunderstorms that produced intense rainfall amounts of 3 to 6 inches in 1 to 3 hours across parts of Hartford County. A flash flood occurred in Manchester where Bigelow Brook rose at least 6 feet out of its banks, flooding roads and basements. Sixteen homes received extensive water damage. A majority of these had basement flooding. Three homes had total basement failure or collapse. One home was completely flooded out of commission. Many residents had to be evacuated to local shelters. Electric power was disrupted for 1,200 customers. A local shopping area also was flooded. An estimated 6 to 12 automobiles received extensive water damage when water rose to at least as high as the windows. Property damage was likely a half of a million dollars. Maximum rainfall totals reached 5 to 6 inches in the area of the flash flood and there was extensive urban street flooding in addition to the flash flood. The cloudburst was really confined to Manchester. Only one town away in Vernon, there was heavy rain but no flooding was reported.									
CONNECTICUT, Northwest									
Litchfield County									
Colebrook	**03**	**1430EST** **1445EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Litchfield County									
Norfolk	**03**	**1430EST** **1445EST**			**0**	**0**	**3K**		**Thunderstorm Wind**
Litchfield County									
Canaan	**03**	**1443EST**			**0**	**0**	**2K**		**Hail (1.00)**
On August 3, a cold front initiated several severe thunderstorms across Litchfield County. Trees were downed by thunderstorm winds at Colebrook, Norfolk and Canaan. At Canaan, hail was also observed with these storms.									
Litchfield County									
Bantam	**04**	**1600EST**			**0**	**0**	**40K**		**Lightning**
At Bantam, lightning started a barn fire which destroyed the barn and some farm equipment.									
CONNECTICUT, Southern									
Fairfield County									
Danbury	**03**	**1615EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Middlesex County									
Middletown	**03**	**1630EST**			**0**	**0**			**Hail (1.75)**
Middlesex County									
Middletown	**03**	**1630EST**			**0**	**0**			**Thunderstorm Wind (G50)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

CONNECTICUT, Southern

New Haven County

Meriden	**03**	**1645EST**			**0**	**0**			**Lightning**

New Haven County

North Branford	**03**	**1645EST**			**0**	**0**			**Thunderstorm Wind (G50)**

A line of severe thunderstorms moved southeast over the area. Thunderstorms produced high winds and hail.

High winds downed trees in Danbury and downed power lines in North Branford. They also caused a tree to fall onto and damage a car in Middletown.

Lightning struck a house on Milici Circle in Meriden. It caused considerable damage. The lightning created a large hole in the upper portion of the house, numerous cracks in the walls of two bedrooms and dislodged several lighting fixtures. It also destroyed more than a third of the chimney, causing chunks of brick to fall onto the deck and destroying additional furniture.

New London County

Norwich to Yantic	**04**	**1600EST**			**0**	**0**			**Flash Flood**

Thunderstorms produced up to 2 inches of rain in one hour across the affected area. This high rainfall rate caused flash flooding of many roads across the area.

Several motorists became stranded as their cars got stuck along flooded portions of Otrobando Ave., West Town Street and Wawecus Street. Police were forced to close parts of these roads.

Flooding also occurred along the Norwich-Bozrah border on Route 2 near Exit 24. A few cars got stuck in up to 2 feet of water that pooled in the area.

Middlesex County

Along Route 66	**05**	**1830EST**			**0**	**0**			**Hail (0.75)**

A line of severe thunderstorms moved southeast across the area. Thunderstorms produced large hail along Route 66 in Northern Middlesex County.

New London County

Lebanon to Norwich	**09**	**1449EST 1500EST**			**0**	**0**			**Thunderstorm Wind (G50)**

New London County

Franklin to Norwich	**09**	**1455EST 1500EST**			**0**	**0**			**Hail (0.88)**

New London County

Norwich	**09**	**1500EST**			**0**	**1**			**Lightning**

New London County

Salem	**09**	**1515EST**			**0**	**0**			**Thunderstorm Wind (G50)**

Clusters of severe thunderstorms moved south over the area. They produced high winds and large hail.

High winds downed trees and wires in Lebanon, Norwich, and Salem. Large hail fell in Franklin, Basra, and Norwich. In addition, a person was struck by lightning in Norwich.

Fairfield County

Greenwich to Norwalk	**16**	**1702EST 1715EST**			**0**	**0**			**Thunderstorm Wind (G56)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

CONNECTICUT, Southern

Fairfield County

Darien **16** **2357EST** **0** **0** **Thunderstorm Wind (G50)**

A line of severe thunderstorms moved rapidly east across the area. Thunderstorms produced high winds that downed numerous tree limbs in Darien and on US 1 along the Norwalk, Westport border.

Another severe thunderstorm produced high winds that downed trees in Darien. A large pine tree fell on and damaged the roof of Tokeneke School.

Fairfield County

Countywide **20** **1400EST** **2** **0** **Heavy Rain**
21 **0600EST**
M22VE, F20VE

New Haven County

Countywide **20** **1500EST** **0** **0** **Heavy Rain**
21 **0700EST**

A low pressure system developed over the lower Midwest on Wednesday, August 20th. As it moved slowly east-northeast, it intensified. The low passed over Pennsylvania and moved south of Long Island during Thursday morning.

The low produced heavy rain and strong gusty winds. Two men died when their car hit a puddle and went out-of-control on I-95 in Stratford around 10:32 pm.

Here are selected rainfall amounts for:

Fairfield County: 1.94 inches at Bridgeport Airport and 1.67 inches in Huntington.

New Haven County: 2.32 inches at North Branford, 1.88 inches at North Cheshire and Wallingford, and 1.84 inches at Madison.

East to southeast winds averaged 15 to 25 mph with gusts over 30 mph.

CTZ009>010 Southern Fairfield - Southern New Haven

20 **2300EST** **0** **0** **Coastal Flood**
21 **1400EST**

A low pressure system developed over the lower Midwest on Wednesday, August 20th. As it slowly intensified, it moved east-northeast across Pennsylvania, passing just south of Long Island during Thursday morning.

East to southeast winds increased over the area during Wednesday evening. Sustained wind speeds reached 44 knots at the Ambrose Light Tower at 3 am on August 21st and 29 knots from 11 pm on August 20th through 4 am on the 21st at Bouy 44025 (about 20 miles south of Fire Island Inlet). Over land, wind speeds ranged from 15 to 25 mph with gusts over 30 mph.

Strong east to southeast winds combined with astronomical high tides caused tidal piling that resulted in moderate coastal flooding across parts of coastal Connecticut during two high tide cycles. Tides averaged 1 1/2 to 2 feet above normal.

Street flooding was reported in Milford (Southern New Haven County) and along other parts of the coast.

This storm also brought heavy rain to the area. Rainfall amounts generally ranged from 1 to 2 inches with isolated higher amounts.

DELAWARE

Sussex County

Lewes **13** **1530EST** **0** **0** **0** **Thunderstorm Wind**
A severe thunderstorm pulled down wires in the eastern part of Sussex County from 430 p.m. through 5 p.m. EDT. The hardest hit area was in and around Lewes.

DEZ001>004 New Castle - Kent - Inland Sussex - Delaware Beaches

16 **0900EST** **0** **3** **Excessive Heat**
17 **1900EST**
The weekend of August 16th and 17th brought some of the hottest and most humid air of the summer into Delaware. High temperatures in most places reached around 100 degrees, while dew point temperatures (an indication of how humid the air mass is) were well into the 70s. Three heat related illnesses were reported in New Castle County. The hot weather continued to stress

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

DELAWARE

growing conditions across the state. The highest temperatures this weekend (on Saturday the 16th for most locations) included 100 degrees in Bridgeville, Dover, Georgetown and Lewes, 97 degrees at the New Castle County Airport and 95 degrees in Prices Corner. The high of 100 degrees in Dover set a new record, surpassing the previous record of 98 degrees set in 1954. The high of 97 degrees at the New Castle County Airport fell one degree short of tying the record for the date. The hot spell ended abruptly as a strong cold front moved through the region early on the 18th.

Kent County

Milford **17** **1730EST** **0** **0** **0** **Lightning**
1830EST

A series of thunderstorms caused frequent cloud to ground lightning across the southern half of Kent County. Fire department personnel responded to about 20 alarms, mainly in the Milford area. Lightning struck power transformer poles and buildings. No major damage or injuries were reported.

Sussex County

1 N Fenwick Is **17** **1855EST** **0** **0** **50K** **Thunderstorm Wind (G74)**

A severe thunderstorm produced wind gusts of 85 mph (before the anemometer blew away) between Bethany Beach and Fenwick Island on the Delaware coast. Two unoccupied mobile homes were destroyed and four others were badly damaged by the winds.

Kent County

Dover **20** **1800EST** **0** **0** **Flood**
2200EST

Heavy rain fell across southern sections of the Maryland Eastern Shore and Central Delaware as thunderstorms continued to reform and move over the same locations. The rain became heavier as a developing low pressure system intensified over Delaware and Southern New Jersey. Storm totals averaged between 3 and 9 inches in Kent County with the heaviest amounts toward Delaware Bay. In Dover, the storm total was 8.94 inches. In spite of the torrential downpours, the drought conditions that have occurred all summer helped the ground absorb much of the rain. The only reported flooding was along the Puncheon Run in Dover. The heavy rain also contributed to a fatal accident. At 745 p.m. EDT a 23-year-old male died when he lost control of his vehicle driving through a patch of standing water. The vehicle ran off the road and overturned. Rainfall amounts although heavy, were considerably less in the rest of Delaware. Storm totals included 2.51 inches in Newark and 2.31 inches at the New Castle County Airport and 1.4 inches in Salisbury Maryland.

DISTRICT OF COLUMBIA

DCZ001 District Of Columbia

16 **1100EST** **1** **25** **Excessive Heat**
17 **1600EST**

West winds circulating around a "Bermuda" high pressure system allowed temperatures to soar during the weekend of the 16th and 17th. Record maximum temperatures were achieved on both days. On the 16th, the previous record of 95 degrees was shattered as the mercury soared to 102. On the 17th, a brief shot of compressive warming allowed the temperature at Washington/National Airport (DCA) to soar to 105 - another record and the highest official reading in Washington since 1936. The quick warming was due to increasing west winds ahead of an approaching thunderstorm; the storm eventually lowered the temperature into the 70s.

Heat index values ranged from 105 to 110 each day, and did not fall below 90 in urbanized areas during the early morning hours of the 17th. Nonetheless, casualties were minimal as most residents remained in or near air-conditioned locations. Only one heat-related death was reported by the city Office of the Chief Medical Examiner. The body in question was badly decomposed; it was discovered at a residence with no air conditioning.
M?PH

DCZ001 District Of Columbia

20 **0600EST** **0** **0** **3K** **Heavy Rain**
1700EST

A soaking rain put a dent into the summer drought on the 20th. The rain was the result of low pressure moving up the eastern seaboard. Rain totals across the metropolitan region ranged from 1 1/2 to 2 1/2 inches. Washington/National Airport recorded 2.02 inches. The combination of heavy rain and gusty winds knocked a few tree limbs into power lines; Potomac Electric Power Co. reported 6,000 customers were without electricity.

FLORIDA, East Central

St. Lucie County

Ft Pierce **01** **1530EST** **0** **1** **Lightning**

A man was injured by lightning while standing in an open area at the St. Lucie County International Airport.

Osceola County

St Cloud **06** **1833EST** **0** **0** **260K** **Lightning**

Lightning produced a fire that destroyed a house.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

FLORIDA, East Central

Seminole County

Sanford **07** **1545EST** **0** **0** **45K** **Thunderstorm Wind**

Thunderstorm winds blew a large tree on to a house causing extensive damage.

Volusia County

New Smyrna Beach **12** **0935EST** **1** **0** **Rip Currents**

A 60 year old German tourist drowned in a rip current at New Smyrna Beach.

M60IW

Seminole County

Sanford **13** **1540EST** **0** **1** **Lightning**

A 41 year old woman was injured by lightning while standing next to a window in a house.

Volusia County

De Bary **13** **1655EST** **0** **0** **Hail (1.00)**

Orange County

Orlando **13** **1700EST** **0** **1** **Lightning**

A thirteen year old boy on a motorized skateboard was struck and seriously injured by lightning.

Orange County

2 NE Apopka **13** **1730EST** **0** **0** **Thunderstorm Wind**

Several large trees were blown down in Wekiwa Springs State Park.

Seminole County

Lake Mary **13** **1730EST** **0** **0** **Hail (0.75)**

Seminole County

3 N Altamonte Spgs **13** **1735EST** **0** **0** **Thunderstorm Wind**

Several large trees were blown down near Altamonte Springs.

Lake County

Groveland **15** **1525EST** **0** **1** **Lightning**

A 33 year old golfer was seriously injured when he was struck by lightning.

Brevard County

1 E Grant **16** **2000EST** **0** **1** **Lightning**

A bolt of lightning struck a tree and then injured a woman who was camping on a spoil island in the Indian River Lagoon east of Grant.

Volusia County

10 E De Land **18** **1625EST** **0** **0** **Thunderstorm Wind**

Thunderstorm winds blew down numerous trees in a rural area 10 miles east of De Land.

Volusia County

Osteen **18** **1700EST** **0** **0** **Hail (0.75)**

Volusia County

Edgewater **20** **1520EST** **0** **1** **Lightning**

Lightning knocked a plumber unconscious while he was under a mobile home. He later made a full recovery.

Martin County

Stuart **23** **0900EST** **0** **1** **Lightning**

Lightning struck a boater near Stuart in the Indian River Lagoon. He was knocked unconscious and fell into the water. He was pulled back on the boat and revived by his wife.

Volusia County

5 NE De Land **23** **1530EST** **0** **0** **Thunderstorm Wind**

Thunderstorm winds blew down trees and damaged a house near DeLand. A recreational vehicle was pushed into a pole.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
FLORIDA, Northeastern									
St. Johns County									
Crescent Beach	**18**	**1130EST**			**0**	**1**			**Rip Current**
	Women, 36								
St. Johns County									
Ponte Vedra Beach	**19**	**1425EST 1525EST**			**0**	**0**	**2.5K**		**Thunderstorm Wind**
	Large trees and power lines were blown down.								
St. Johns County									
St Augustine	**19**	**1435EST**			**0**	**0**	**1.5K**		**Thunderstorm Wind**
	Large trees and power lines were blown down.								
Duval County									
Jacksonville	**24**	**1135EST**			**0**	**0**	**2.5K**		**Thunderstorm Wind**
	Large trees and power lines were blown down.								
Alachua County									
Gainesville East	**24**	**1440EST**			**0**	**0**	**1K**		**Thunderstorm Wind**
	Large trees and power lines were blown down.								
Bradford County									
Hampton	**29**	**1515EST**			**0**	**0**	**3K**		**Thunderstorm Wind**
	Large trees and power lines were blown down. A home was also damaged on SR-21 North of Melrose.								
Putnam County									
Florahome	**29**	**1520EST**			**0**	**0**	**0.50K**		**Thunderstorm Wind**
	Large trees and power lines were blown down on SR-100 near Tranner and School Bus Roads.								
Putnam County									
Palatka	**29**	**1525EST**			**0**	**0**			**Hail (0.88)**
Columbia County									
Columbia	**30**	**1445EST**			**0**	**0**			**Hail (0.75)**
Columbia County									
Ft White	**30**	**1445EST**			**0**	**0**	**0.50K**		**Thunderstorm Wind**
	Large trees and power lines were blown down.								
Duval County									
Arlington	**30**	**1530EST**			**0**	**0**	**0.50K**		**Tstm Wind/Hail**
	Large trees and power lines were blown down.								
Duval County									
Jacksonville	**30**	**1540EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
	Large trees and power lines were blown down. A roof was blown off a mobile home in the Pine Breeze area.								
Marion County									
Ocala	**30**	**1540EST**			**0**	**0**	**4K**		**Thunderstorm Wind**
	Thunderstorm winds downed a swath 21/2-3 miles in length of trees. Two walls were blown down at a construction site.								
Clay County									
Orange Park	**30**	**1600EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
	Windows were blown out of an office building. Cars were damaged.								
Duval County									
Jacksonville	**30**	**1610EST**			**0**	**0**	**3.5K**		**Thunderstorm Wind**
	Large trees and power lines were blown down.								
Marion County									
Ocala	**30**	**1715EST**			**0**	**0**	**1.5K**		**Thunderstorm Wind**
	Large trees and power lines were blown down along CR-35 and SR-326.								
FLORIDA, Northwest									
Calhoun County									
8 N Blountstown	**20**	**1644CST**			**0**	**0**			**Hail (0.75)**
Calhoun County									
8 N Blountstown	**20**	**1644CST**			**0**	**0**	**5K**		**Thunderstorm Wind**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

FLORIDA, Northwest

Sheriffs office reported dimes sized hail and several trees down along with power outages. A pump house at an aquaculture farm was blown across a road and damaged a chain link fence. Another aluminium shed was blown into a pine tree.

Madison County

Pinetta **20** **1840EST** **0** **0** **1K** **Thunderstorm Wind**

County emergency management reported numerous trees blown down across State road 145.

FLORIDA, Southern

Monroe County

Key West Intl Arpt **01** **0755EST** **0** **0** **Waterspout**
0810EST

observed a few miles s of keyw moving n.

Dade County

Miami Lake **01** **1200EST** **1** **0** **Lightning**

roofer on break under tree near job site.
M40UT

Monroe County

Key West Intl Arpt **04** **1516EST** **0** **0** **Waterspout**
1525EST

observed 5nm n keyw.

Broward County

Pompano Beach **06** **1315EST** **0.2** **25** **0** **0** **Tornado (F0)**

touched down near 3 st/powerline rd by pompano park race track. shingles torn from roof. one truck overturned. several tres down.

Broward County

Sunrise Golf Vlg **07** **1440EST** **0** **0** **Funnel Cloud**
1455EST

funnel cloud sighted by storm spotter near sawgrass mills mall.

Dade County

Biscayne Park **07** **1455EST** **0** **0** **Funnel Cloud**

funnel cloud reported by ship entering cutler channel.

Broward County

Hollywood **07** **1530EST** **0** **0** **Hail (1.00)**
1545EST

one half to one inch hail around US 1 and sheridan.

Broward County

Hollywood **07** **1545EST** **0** **0** **Thunderstorm Wind (G55)**

power lines down.

Broward County

Ft Lauderdale **07** **1555EST** **1** **0** **Lightning**

victim was waiting at bus stop next t o palm tree at 2595 e. sunrise blvd. M38UT

Broward County

Sunrise Golf Vlg **07** **1625EST** **0** **0** **Funnel Cloud**

sighted west of sawgrass expressway and oakland park blvd.

Broward County

Pompano Beach **08** **0819EST** **0** **0** **Waterspout**
0825EST

pilot reported 10nm e of kpmp.

Dade County

Biscayne Park **08** **0820EST** **0** **0** **Waterspout**
0830EST

reported by several observers just east of elliot key.

Dade County

Westchester **08** **1330EST** **0** **0** **Funnel Cloud**

sighted 5nm nw of ktmb.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

FLORIDA, Southern

Broward County

Plantation **08** **1455EST** **0** **0** **Hail (0.75)**

peters rd/university drive...street flooding also reported

Dade County

Florida City **08** **1505EST** **0** **0** **Funnel Cloud**

numerous reports of funnel clouds about 2nm s of florida city. one report of six different funnels.

Dade County

(Hst)Homestead Afb **08** **1515EST** **0** **0** **Thunderstorm Wind (G55)**

trailer blown over...power outage.

Dade County

Kendall **08** **1530EST** **0** **0** **Funnel Cloud**

funnel cloud spotted 6nm s of ktmb.

Monroe County

Duck Key **09** **0820EST** **0** **0** **Waterspout**
0835EST

two waterspouts reported by monroe county e.m. near duck key.

Monroe County

Key West Intl Arpt **09** **0930EST** **0** **0** **Waterspout**
0940EST

pilot reported 15nm sw keyw

Monroe County

Flamingo **10** **1400EST** **0** **0** **Waterspout**
1420EST

reported by park ranger near rabbit key.

Dade County

Homestead **11** **1100EST** **0** **1** **Lightning**

11 year old boy struck and injured by ligtning exact time and location unknown.

Monroe County

Tavernier **14** **0915EST** **0** **0** **Waterspout**
0935EST

observed 4nm se of tavernier.

Glades County

Moore Haven **15** **1640EST** **0** **0** **Hail (0.75)**
1645EST

Hendry County

Clewiston **15** **1650EST** **0** **0** **Funnel Cloud**
1730EST

a few reports of two funnel clouds near evercane rd.

Monroe County

East Cape **16** **1345EST** **0** **0** **Funnel Cloud**

reported by tug boat 30nm sw marco island(collier county).

Monroe County

Key West Intl Arpt **16** **1516EST** **0** **0** **Waterspout**

pilot reported 24nm w of keyw(eyw280024).

Monroe County

Big Pine Key **17** **0635EST** **0** **0** **Waterspout**
0645EST

observed by off duty nws employee just west of bahia honda moving w 10 knots.

Palm Beach County

Belle Glade **18** **1636EST** **0** **0** **Funnel Cloud**
1645EST

sighted under developing thunderstorm just south of belle glade.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

FLORIDA, Southern

Palm Beach County

Belle Glade **18** **1636EST** **0** **0** **Funnel Cloud**

reported by kpbi tower about 30nm w.

Broward County

Ft Lauderdale **19** **0720EST** **0** **0** **Waterspout**

reported 5nm e of kfll.

Monroe County

Marathon **19** **1705EST** **0** **0** **Waterspout**

reported near marathon.

Dade County

Biscayne Park **21** **0715EST** **0** **0** **Funnel Cloud**

sighted near elliot key.

Dade County

Surfside **21** **1300EST** **0** **0** **Urban/Sml Stream Fld**

pd reported cars stalling in major street flooding.

Monroe County

Key West Intl Arpt **21** **1309EST** **0** **0** **Funnel Cloud**
1316EST

sighted 10nm nw keyw.

Collier County

Naples **22** **0702EST** **0** **0** **Waterspout**
0720EST

several reports one and one half nm west of naples pier.

Collier County

Marco **22** **1450EST** **0** **0** **Waterspout**

several waterspouts spotted 2nm offshore capri pass near marco island.

Collier County

Marco **22** **1519EST** **0** **0** **Waterspout**

spotted sw of cape romano moving to the northeast.

Monroe County

Key West Intl Arpt **23** **0815EST** **0** **0** **Waterspout**
0820EST

observed 2nm sw keyw.

Monroe County

Marathon **23** **1650EST** **0** **0** **Waterspout**
1705EST

observed 3nm n of seven mile bridge by marathon sheriffs office.

Monroe County

Marathon to Grassy Key **24** **1545EST** **0** **0** **Waterspout**

large waterspout reported oceanside of grassy key near mm56.

Monroe County

Longkey **24** **2230EST** **0.2** **25** **0** **0** **Tornado (F0)**

waterspout moved on shore layton.

Broward County

Davie **25** **1512EST** **0** **0** **Hail (1.00)**

reported by tv crew.

Broward County

Davie **25** **1512EST** **0** **0** **Thunderstorm Wind (G80)**
1530EST

trees down between stirling/griffin rd w of I75 reported by tv crew.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
FLORIDA, Southern									
Palm Beach County									
25 NW (Pbi)Palm Beach Arpt	**27**	**1408EST**			**0**	**0**			**Funnel Cloud**
reported by kpbi tower.									
Palm Beach County									
West Palm Beach	**27**	**1521EST**			**0**	**0**			**Funnel Cloud**
reported by public.									
Monroe County									
Key West Intl Arpt	**28**	**1411EST**			**0**	**0**			**Funnel Cloud**
reported in observation.									
Dade County									
Biscayne Park	**30**	**1425EST**			**0**	**0**			**Waterspout**
reported by park ranger near eastern southerbed cut.									
Monroe County									
Longkey	**30**	**1500EST**			**0**	**0**			**Waterspout**
reported just s of long key by monroe county e.m..									
Monroe County									
Duck Key	**31**	**1320EST** **1350EST**			**0**	**0**			**Waterspout**
observed 3-5 miles off duck key.									
FLORIDA, West Central									
Lee County									
1 NE Ft Myers	**01**	**1335EST**			**0**	**0**	**1K**	**0**	**Tstm Wind (G40)**
Thunderstorm winds estimated at 40 to 45 mph blew over a shed and downed a small tree which toppled a few power lines near Palm Avenue and Commerce Street.									
Citrus County									
Homosassa	**01**	**1500EST**			**0**	**0**	**5K**	**0**	**Lightning**
Lightning struck and melted a power meter which disabled the Riverhaven sewage treatment plant for approximately eight hours.									
Pinellas County									
8 SSW St Petersburg	**02**	**1150EST** **1211EST**			**0**	**0**	**0**	**0**	**Waterspout**
A waterspout was observed three miles southwest of Point Pinellas and northeast of the Sunshine Skyway Bridge (I-275).									
Lee County									
8 N Cape Coral	**10**	**1535EST** **1538EST**	**0.5**	**5**	**0**	**0**	**0**	**0**	**Tornado (F0)**
A weak and short-lived tornado touched down near the intersection of State Road 78 (Pine Island Road) and Del Prado Boulevard with no apparent damage.									
Pasco County									
Zephyrhills	**10**	**1620EST**			**0**	**0**	**0.50K**	**0**	**Tstm Wind (G45)**
Thunderstorm wind of 40 to 50 mph caused minor damage to a few carports in the city of Zephyrhills.									
Hillsborough County									
Plant City	**10**	**1733EST**			**0**	**0**	**2K**	**0**	**Thunderstorm Wind**
Thunderstorm winds toppled a large tree which downed a few power lines near the 1200 block of North Wheeler Street in Plant City.									
Lee County									
7 W Cape Coral	**11**	**1640EST**			**0**	**0**	**0**	**0**	**Waterspout**
A pair of waterspouts was observed near West Island and Pine Island Road in Matlacha Pass.									
Pasco County									
13 NE New Port Richey	**11**	**1730EST**			**0**	**3**	**0.50K**	**0**	**Lightning**
Lightning struck and split a tree at the Crews Lake Park in Shady Hill. Three people that sought shelter under the tree, an adult female and two children, were slightly injured by the sideflash of the lightning bolt.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

FLORIDA, West Central

Hillsborough County

1 S Plant City | **11** | **1830EST** | | | **0** | **1** | **0** | **0** | **Lightning**

Lightning struck and injured a man while working on a barbed wire fence.

Lee County

Cape Coral | **11** | **1900EST** | **0.1** | **5** | **0** | **0** | **0** | **0** | **Tornado (F0)**

A short-lived tornado touched down briefly near the intersection of Pine Island Road and Del Prado.

Charlotte County

15 SW Port Charlotte | **12** | **1900EST** | | | **0** | **0** | **5K** | **0** | **Tstm Wind (G45)**

Thunderstorm winds up to 45 mph caused minor damage to pool enclosures, roof tiles and small branches to several mobile homes in Cape Haze.

Pinellas County

5 W St Petersburg | **13** | **1145EST 1233EST** | | | **0** | **0** | **50K** | **0** | **Urban/Sml Stream Fld**

Heavy rain caused localized street flooding up to eight inches deep which stalled several cars in and around the Tyrone Square Mall along U.S. Highway Alternate 19 and State Road 693.

Hardee County

Wauchula | **13** | **1730EST 1800EST** | | | **0** | **0** | **2K** | **0** | **Urban/Sml Stream Fld**

Heavy rain caused localized street flooding at the Citrus Valley mobile home park.

Lee County

Ft Myers | **15** | **1630EST** | | | **0** | **0** | **8K** | **0** | **Lightning**

Lightning struck an Australian pine tree on Ballard Road then knocked it onto a car which flattened the vehicle's roof.

Lee County

North Ft Myers | **16** | **1730EST** | | | **0** | **1** | **0** | **0** | **Lightning**

A 14 year old male was injured by a sideflash of lightning that first struck a nearby tree. The youth reported numbness on one side of his body after seeking medical care.

Pinellas County

8 N St Petersburg | **16** | **1745EST** | | | **0** | **0** | **0** | **0** | **Hail (0.75)**

Dime sized hail was observed at the Feathersound subdivision along State Roads 688 (Ulmerton Road) and 686 (Roosevelt Blvd).

Pinellas County

8 N St Petersburg | **16** | **1745EST** | | | **0** | **0** | **2K** | **0** | **Thunderstorm Wind**

Thunderstorm winds downed several large six to eight inch diameter pine branches and damaged a pool enclosure in the Feathersound subdivision along State Roads 688 (Ulmerton Road) and 686 (Roosevelt Blvd).

Hillsborough County

3 NNW Tampa to 3 N Tampa | **16** | **1750EST 1755EST** | | | **0** | **0** | **0** | **0** | **Hail (0.75)**

Dime sized hail was reported near the intersection of U.S. Highways 92 and 41 and the intersection of U.S. Highway 41 and Sligh Avenue by Skywarn Spotters.

Hillsborough County

7 N Tampa | **16** | **1800EST** | | | **0** | **0** | **0** | **0** | **Hail (0.88)**

Nickel sized hail was reported near the intersection of Country Roads 582A (Fletcher) and 581 (Bruce B. Downs) by a Skywarn Spotter.

Pinellas County

5 WNW St Petersburg | **16** | **1810EST** | | | **0** | **0** | **0** | **0** | **Hail (0.75)**

Dime sized hail was reported near the intersections of State Road 693 with U.S. Highway Alternate 19 and 38 Street by Skywarn Spotters.

Pinellas County

5 WNW St Petersburg | **16** | **1829EST** | | | **0** | **0** | **1K** | **0** | **Thunderstorm Wind**

Thunderstorm winds downed a few large trees at the Tyrone Square Mall near the intersection of U.S. Highway Alternate 19 and State Road 693.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

FLORIDA, West Central

Pasco County

1 S Zephyrhills	**16**	**1915EST**			**0**	**0**	**0**	**0**	**Hail (0.75)**

Dime sized hail was reported near U.S. Highway 301 by a Skywarn Spotter.

Levy County

Bronson	**17**	**1500EST**			**0**	**0**	**30K**	**0**	**Lightning**

Lightning struck and severely damaged a home on U.S. Highway Alternate 27.

Highlands County

10 ESE Sebring	**20**	**1718EST**	**0.8**	**10**	**0**	**0**	**100K**	**0**	**Tornado (F0)**

A short-lived tornado caused roof damage to seven pre-fabricated homes, downed a handful of trees and a few power lines along U.S. Highway 98 in Lorida. Two of the homes suffered major roof damage while five received minor roof damage. A parked boat and vehicle were also damaged by a 40 foot Formosa tree toppled by the tornado. The tornado tore a flagpole from the ground and ripped off several carports along Bishop Dairy Road before it lifted and dissipated.

Highlands County

10 ESE Sebring	**20**	**1718EST**			**0**	**0**	**0**	**0**	**Hail (0.75)**

Dime sized hail was reported along U.S. Highway 98 in Lorida.

Polk County

Lakeland	**21**	**1600EST**			**0**	**0**	**5K**	**0**	**Tstm Wind (G45)**

Thunderstorm winds of 45 to 50 mph peeled back the light weight metal roof of a mobile home on the 300 block of Westover Street in Lakeland.

Hillsborough County

2.5 W Tampa	**22**	**0045EST**			**0**	**0**	**50K**	**0**	**Lightning**

Lightning struck a video camera atop the 200 foot concrete radar tower of WTVT-FOX television affiliate on Kennedy Boulevard and caused extensive damage to the radar circuitry, television equipment and satellite receiver dishes.

FLORIDA, West Panhandle

Escambia County

Pensacola Beach	**07**	**0946CST** **1014CST**			**0**	**0**			**Waterspout**

The fire department reported the sightings of at least three waterspouts just off of Pensacola Beach. The waterspouts remained offshore and dissipated before getting near the beach.

Santa Rosa County

Avalon Beach	**20**	**1505CST** **1510CST**			**0**	**0**			**Waterspout**

Two waterspouts were observed over the bay just south of Avalon Beach. The waterspouts dissipated over the bay and never got near the beach.

Okaloosa County

Ft Walton Beach	**28**	**1855CST** **1857CST**			**0**	**0**	**5K**		**Thunderstorm Wind (G50)**

Trees and power poles were blown down in Fort Walton Beach.

Okaloosa County

Eglin Afb	**29**	**1600CST** **1615CST**			**0**	**0**	**8K**		**Thunderstorm Wind (G50)**

Several trees and a couple of telephone poles were blown down on Eglin AFB. One of the poles fell on a trailer and damaged it.

Santa Rosa County

Milton	**29**	**1655CST** **1657CST**			**0**	**0**	**5K**		**Thunderstorm Wind (G50)**

Several trees and power lines were blown down in the east parts of Milton .

Santa Rosa County

6 W Jay to 6 S Jay	**30**	**1748CST** **1841CST**			**0**	**0**	**15K**		**Thunderstorm Wind (G55)**

Winds from a thunderstorm blew several trees down along HWY 4 west of Jay. The thunderstorm then moved southeast and a microburst blew a barn down 4 miles southwest of Jay. The storm continued moving southeast and outflow from the storm then damaged a house about 6 miles south of Jay. Several residents reported hearing a loud roar but observed damage was consistent with outflow from a thunderstorm.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

GEORGIA, East Central

NONE REPORTED.

GEORGIA, Lower

Appling County

Baxley **29** **1705EST** **0** **0** **1.5K** **Thunderstorm Wind**

Large trees and power lines were blown down.

Appling County

7 N Baxley **29** **1740EST** **0** **0** **2K** **Thunderstorm Wind**

Large trees and power lines were blown down.

GEORGIA, North and Central

Newton County

Covington **14** **1530EST** **0** **0** **10K** **Thunderstorm Wind**

Thunderstorm winds knocked down trees and power lines all over town in Covington and in Newton county. Some structures were damaged as trees feell on them. The time was estimated from a newspaper article.

Macon County

5 W Marshallville **15** **1515EST** **0** **0** **0.20K** **Thunderstorm Wind**

Thunderstorm winds knocked down three trees west of town on highway 127.

Peach County

Ft Vly **15** **1530EST** **0** **0** **0.30K** **Thunderstorm Wind**

Thunderstorm winds knocked down several trees on Lake B Road east of Fort Valley.

Madison County

Danielsville **15** **1900EST** **0** **0** **0.20K** **Thunderstorm Wind**

Madison county 911 reported several trees were blown down by thunderstorm winds.

Oglethorpe County

Lexington **15** **1910EST** **0** **0** **0.30K** **Thunderstorm Wind**

Oglethorpe county 911 reported several trees were blown down by thunderstorm winds.

Taylor County

6 SE Butler to Butler **16** **1752EST** **0** **0** **Hail (1.75)**

Taylor county 911 reported golfball size hail.

Twiggs County

Danville **16** **1820EST** **0** **0** **Hail (0.75)**

WMAZ TV in Macon received a report of dime size hail.

Houston County

Kathleen **16** **1930EST** **0** **0** **5K** **Thunderstorm Wind**

Houston county 911 reported thunderstorm winds knocked trees down on houses and cars along highway 129 just south of Kathleen.

Twiggs County

6 NW Jeffersonville **16** **1930EST** **0** **0** **0.50K** **Thunderstorm Wind**

Twiggs county 911 repored thunderstorm winds knocked down trees on Myrics Mill Road off highway 80 between Jeffersonville and Dry Branch.

Clarke County

Athens to 2 E Athens **17** **1623EST** **1630EST** **0** **0** **Hail (1.00)**

Several public reports of dime to quarter size hail were received.

Clarke County

Athens Muni Arpt **17** **1630EST** **0** **0** **50K** **Thunderstorm Wind**

Severe thunderstorm winds knocked two hanger doors down. Two or three aircraft were damaged.
The winds were reported by the weather observer as having been strong enough to move an old
Radome like structure.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

GEORGIA, North and Central

Oglethorpe County

3 NW Arnoldsville **17** **1630EST** **0** **0** **100K** **Thunderstorm Wind**

The Fleming poultry farm suffered damage from severe thunderstorm winds . Three 3 chicken houses were destroyed and 5 others were damaged. A small pickup truck was totaled. There was damage to the corner of a home on the farm. Roofs were blown off a hay barn and another shed. Almost every electrical fence on the property was also blown down. Most of the 50,000 chickens on the farm had to be destroyed due to unsuitability for marketing after the storm damage.

Taliaferro County

5 NW Lyneville **17** **1740EST** **0** **0** **0.10K** **Thunderstorm Wind**

Georgia State Patrol reported two trees were blown down..

Wilkes County

Rayle **17** **1745EST** **0** **0** **0.10K** **Thunderstorm Wind**

Rayle EMC reported several large trees were blown down.

Haralson County

Bremen **18** **1215EST** **0** **0** **0.50K** **Thunderstorm Wind**

WGMI radio reported several trees were knocked down by thunderstorm winds.

Carroll County

Hulett **18** **1230EST** **0** **0** **1K** **Thunderstorm Wind**

Thunderstorm winds knocked a couple of power lines down.

Baldwin County

Milledgeville **18** **1530EST** **0** **0** **5K** **Thunderstorm Wind**

Severe thunderstorm winds knocked down a massive elm tree about 20 inches in diameter. A 60 foot tall flag pole at a car dealership was also was also knocked down and fell over a car and a truck causing some damage.

Treutlen County

Soperton **18** **1555EST** **0** **0** **1K** **Thunderstorm Wind**

Thunderstorm winds knocked trees and power lines down.

Montgomery County

3 S Higgston **18** **1710EST** **0** **0** **1K** **Thunderstorm Wind**

Altamaha EMC reported thunderstorm winds knocked several trees down on power lines.

Toombs County

Vidalia to 6 S Vidalia **18** **1725EST** **0** **0** **1K** **Tstm Wind/Hail**

Altamaha EMC reported several trees were knocked down on power lines by thunderstorm winds.
Toombs county 911 reported dime size hail on the west side of Vidalia.

Wilcox County

Pitts **31** **1600EST** **0** **0** **0.70K** **Thunderstorm Wind**

Middle Georgia Utility Company reported thunderstorm winds knocked down several trees and power lines.

GEORGIA, Northeast

Elbert County

3 N Elberton **15** **1915EST** **0** **0** **Hail (0.75)**

Large hail fell north of Elberton.

GEORGIA, Southeast

Chatham County

Port Wentworth **30** **1600EST** **1610EST** **0** **0** **Thunderstorm Wind (G50)**

Trees, telephone poles and power lines down

Chatham County

Pooler **30** **1610EST** **1615EST** **0** **0** **Hail (0.75)**

Chatham County

Vernonburg **30** **1645EST** **1650EST** **0** **0** **Thunderstorm Wind (G50)**

Trees downed

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

GEORGIA, Southeast

Tattnall County

Reidsville — **31** — **1739EST** **1745EST** — **0** — **0** — **Thunderstorm Wind (G50)**

Trees and power lines down

GEORGIA, Southwest

NONE REPORTED.

GEORGIA, West Central

GAZ089 — Muscogee

01 — **0500EST** **0700EST** — **0** — **0** — **0** — **0** — **Extreme Cold**

A new record low of 62 was established at the Columbus airport.

HAWAII

HIZ001>006 — Kauai - Oahu - Maui - Island Of Hawaii - Molokai - Lanai

01 **02** — **0000HST** **0600HST** — **0** — **0** — **High Surf**

A combination of swells generated in the western Pacific and south Pacific produced surf heights of 3 to 6 feet with occasional sets to 8 feet along the south and southwest facing shores of the islands.

HIZ004 — Island Of Hawaii

08 **10** — **0700HST** **0500HST** — **0** — **0** — **High Surf**

Easterly swell was generated by Tropical Cyclone Guillermo when it was most intense some 2000 miles east of Hawaii. The swell produced surf of 6 to 8 feet with occasional sets to 10 feet along the east facing shores of the island from Upolu Point to Cape Kumukahi to South Point. Observers in Orchidland reported surf heights to 10 feet.

Honolulu County

.5 S Waikiki — **12** — **1630HST** — **0** — **0** — **Waterspout**

A stationary waterspout was reported by a city and county lifeguard.

Maui County

5 NE Lanai City — **13** — **1440HST** **1445HST** — **0** — **0** — **Funnel Cloud**

A funnel cloud was observed from the Lanai City Airport. The funnel cloud was initially stationary, then moved slowly toward the southeast before dissipating.

Honolulu County

Nanakuli — **13** — **1810HST** — **0** — **0** — **Funnel Cloud**

A nearly stationary funnel cloud was observed from Nanakuli.

Maui County

15 SE Hana — **14** — **1610HST** — **0** — **0** — **Waterspout**

Two stationary waterspouts were observed over the Alenuihaha Channel.

Honolulu County

Waianae — **15** — **1230HST** **1400HST** — **0** — **0** — **Flash Flood**

Significant road and stream flooding occurred from heavy showers and thunderstorms in the Makakilo and Nanakuli areas. Water to 4 feet deep flooded parts of the Farrington Highway in Nanakuli. A WSR-88D rainfall estimate of 6 inches per hour was corroborated by a weather spotter in Makakilo who measured 5.8 inches during the same time period.

Honolulu County

Makakilo City — **15** — **1240HST** — **0** — **0** — **Funnel Cloud**

A nearly stationary funnel cloud was observed from Makakilo.

Honolulu County

Nanakuli — **15** — **1300HST** — **0** — **1** — **Lightning**

A 45 year-old man was struck by lightning while leaning against a chain-link fence at his residence at 89-155 Nanaikala Place in Nanakuli. The man was hospitalized and observed for several hours and then released.

Maui County

Pukalani to Haiku — **15** — **1530HST** **1800HST** — **0** — **0** — **Urban/Sml Stream Fld**

Minor road and stream flooding reported throughout the area from Pukalani to Makawao to Haiku.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

HAWAII

Honolulu County

Pearl City to Halawa Heights — **15** — **1700HST** – **2030HST** — **0** — **0** — **Urban/Sml Stream Fld**

Small streams, streets and drainage ditches were flooded, including parts of the Moanalua Freeway.

Kauai County

Hanalei to Lihue — **15** — **2130HST** – **16** **0500HST** — **0** — **0** — **Urban/Sml Stream Fld**

Minor street and stream flooding along the north and east sides of the island, including the towns of Wainiha, Hanalei, Kapaa, Wailua, and Lihue.

Hawaii County

Honaunau — **16** — **1700HST** – **2015HST** — **0** — **0** — **Urban/Sml Stream Fld**

Minor street flooding and small landslides occurred in the Honaunau area.

Honolulu County

Honolulu — **17** — **1500HST** – **1930HST** — **0** — **0** — **Urban/Sml Stream Fld**

Significant traffic delays occurred throughout Honolulu during the evening rush hour as heavy showers produced standing water in low lying areas of many streets and freeways.

Maui County

Lanai City to Maunaloa — **17** — **1545HST** – **1815HST** — **0** — **0** — **Urban/Sml Stream Fld**

Heavy showers produced minor street flooding in and near Lanai City (Lanai) and Maunaloa (Molokai).

An upper level low from northwest of the Hawaiian Islands cut-off just north of the state and persisted in the area from the 15th through the 17th. During this period, moisture from the remnants of Tropical Cyclone Guillermo combined with an unstable airmass due to the close proximity of the upper level low to help fuel widely scattered heavy showers and thunderstorms over all of the islands.

Kauai County

1 N Kilauea — **17** — **1655HST** — **0** — **0** — **Funnel Cloud**

A funnel cloud was sighted by police in the vicinity of Kilauea Lighthouse.

IDAHO, Extreme Southeast

Bear Lake County

Montpelier — **12** — **1915MST** – **1945MST** — **0** — **0** — **70K** — **Thunderstorm Wind (G51)**

A severe thunderstorm with high winds caused damage in the Montpelier area on this date. Trees were downed, a satellite dish was blown off the roof of a school, and tents were toppled at the county fair. A spotter in Montpelier measured a wind gust of 65 mph (56 kts).

IDAHO, North

Idaho County

Dixie — **12** — **1500PST** — **0** — **0** — **Hail (1.75)**

Golf ball sized hail was reported in a thunderstorm at the Dixie Store in Dixie, ID.

IDAHO, Northwest

NONE REPORTED.

IDAHO, Southeast

Bannock County

Chubbuck — **02** — **0300MST** — **0** — **0** — **Lightning**

Lightning struck two homes causing minor damage to house appliances.

Custer County

Mackay — **07** — **1618MST** — **0** — **0** — **Hail (1.00)**

Clark County

Dubois — **07** — **2043MST** – **08** **2058MST** — **0** — **0** — **Hail (0.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

IDAHO, Southeast

Bannock County

Chubbuck — **10** — **1000MST** / **1220MST** — **0** — **0** — **Heavy Rain**

Spotter measured 0.86 rain.

Bannock County

Pocatello — **10** — **1110MST** / **1230MST** — **0** — **0** — **Urban/Sml Stream Fld**

City reported flooding along Garret Way and in the Center Street Underpass.

Bannock County

1.5 SE Inkom — **10** — **1230MST** / **1430MST** — **0** — **0** — **Flash Flood**

Water, mud, rock and other debris washed down lower portion of Green Canyon damaging three homes between Green Canyon and Nester Roads and closing Highway 91 for two hours.

Cassia County

Almo — **10** — **1600MST** / **1650MST** — **0** — **0** — **Hail (0.75)**

Thunderstorm produced dime-size hail and 0.50 inch of rain.

Cassia County

Elba — **10** — **1625MST** — **0** — **0** — **Heavy Rain**

Thunderstorm produced 'wall' of rain and pea-size hail.

Oneida County

Juniper — **10** — **1700MST** / **1730MST** — **0** — **0** — **Hail (1.00)**

Dime to Quarter-size hail accummulated 1 to 2 inches in Juniper area. Hail destroyed wheat crop in area, completely stripped leaves from trees, and broke a car windsheild and truck mirror.

Oneida County

2 S Juniper — **10** — **1700MST** / **1730MST** — **0** — **0** — **Hail (1.75)**

Golfball-size hail.

Oneida County

1 E Juniper — **10** — **1700MST** / **1730MST** — **0** — **0** — **Hail (1.50)**

Quarter to Golfball-size hail.

Oneida County

Juniper — **10** — **1700MST** — **0** — **0** — **Heavy Rain**

1.9 inches of rain measured by storm spotter.

Cassia County

5 NE Strevell — **10** — **1730MST** — **0** — **0** — **Thunderstorm Wind (G51)**

Moburg Canyon RAWS gust to 59 mph.

Oneida County

Juniper — **10** — **1730MST** / **1800MST** — **0** — **0** — **Flash Flood**

4 to 8 feet of water rushed down normally dry streambeds and channels with Interstate 84 exit 263 underpass flooded. Water also flooded over several bridges, across roads and yards. A Juniper resident commented that this was the worse storm he had seen in 60 years.

Power County

5 SE Crystal — **11** — **1400MST** / **1430MST** — **0** — **0** — **Heavy Rain**

Storm spotter along Rattlesnake Road measured 1.5 inches of rain in 30 minutes.

Power County

3 SE Crystal to 6 SE Crystal — **11** — **1430MST** / **1530MST** — **0** — **0** — **Flash Flood**

3 to 5 feet of water flooded down Rattlesnake Creek washing through a correl, over driveways and across wheat and hay fields.

Power County

3 SE Crystal — **11** — **1430MST** — **0** — **0** — **Flash Flood**

1 to 3 feet of water rushed across a 100 yard section of Upper Rattlesnake Road immediately west of Wright Lane.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

IDAHO, Southeast

Power County

3 SE Pauline to 5 SE Pauline — **11** — **1430MST** / **1500MST** — **0** — **0** — **Flash Flood**

Lusk Road between Mink Creek Road and the Arbon Valley Highway was washed out in four places.

Power County

2 ESE Pauline to 2 E Pauline — **11** — **1430MST** / **1500MST** — **0** — **0** — **Flash Flood**

One foot of water flooded over Mink Creek Road.

Bannock County

3 W Robin — **11** — **1430MST** / **1515MST** — **0** — **0** — **Heavy Rain**

1.5 inches or rain. Hail up to 1/2 inch diameter covered hillsides immediately east of Garden Creek Gap.

Bannock County

Robin — **11** — **1500MST** / **1530MST** — **0** — **0** — **Flash Flood**

Garden Creek in Robin area rose about 2 feet due to heavy rain.

Bannock County

2.5 W Robin — **11** — **1500MST** / **1530MST** — **0** — **0** — **Flash Flood**

Extremely heavy rain produced flooding and severe field erosion immediately east of the Garden Creek Gap.

Bannock County

4 W Robin to 4.5 W Robin — **11** — **1500MST** / **1530MST** — **0** — **0** — **Flash Flood**

Flooding washed large rock and other debris on Arimo Rad in Garden Creek Gap. Over one foot of debris in several locations.

Madison County

Plano — **11** — **1700MST** / **1755MST** — **0** — **0** — **Heavy Rain**

0.75 inch of rain.

Madison County

5 W Rexburg — **11** — **1700MST** / **1800MST** — **0** — **0** — **Heavy Rain**

The Ricks College Livestock Center and the Ferguson Farms reported a prolonged period of extremely heavy rain with considerable ponding and low area flooding from Highway 33 north to near Plano area.

Madison County

Rexburg — **11** — **1715MST** / **1740MST** — **0** — **0** — **Heavy Rain**

Storm spotter measured 0.73 rain and 1/2 inch diameter hail.

Cassia County

Burley — **12** — **1330MST** / **1420MST** — **0** — **0** — **Heavy Rain**

Heavy rain at the Fairgounds in Burley collapsed tents and flooded the parking lot with up to three feet of water with some vehicles partially flooded. Elsewhere in Burley extensive street flooded occurred with water over curbs. Water ponded to 2 to 4 feet in some parking lots.

Cassia County

Burley — **12** — **1335MST** / **1420MST** — **0** — **0** — **Hail (0.88)**

Pea to nickel-size hail at Burley Fairgrounds. Hail covered the ground.

Cassia County

6.5 SE Burley — **12** — **1405MST** / **1425MST** — **0** — **0** — **Hail (1.75)**

Hail up to golfball-size near 300S 603E caused total loss of the wheat crop and extensive damage to potatoes, sugarbeets and corn. All leafy foliage was stripped with only only potato vines remaining. Hail remained in some shady areas until the next morning.

Cassia County

7 SE Burley — **12** — **1405MST** / **1425MST** — **0** — **0** — **Hail (0.75)**

Dime-size hail near 215S 650E accumulated 1 to 2 inches with drifts up to 5 inches.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

IDAHO, Southeast

Cassia County

7.5 SE Burley | **12** | **1410MST** **1430MST** | **0** | **0** | **Hail (1.00)**

Quarter-size hail at 300S 705E accumulated to about 2 inches with severe damage to crops in area.

Cassia County

10 SE Burley | **12** | **1415MST** **1435MST** | **0** | **0** | **Hail (1.50)**

Hail along the hillside at the bottom of the Albion highway grade pulverized gardens and plants, stripped paint from side of homes/buildings, chipped small pieces of brick along the side of one home, and broke yard lights.

Cassia County

9 SE Burley | **12** | **1415MST** **1430MST** | **0** | **0** | **Hail (0.88)**

Nickel-size hail accumulated to about 2 inches. 1.5 inches of rain measured by spotter at 400S 800E.

Cassia County

Albion | **12** | **1430MST** | **0** | **0** | **Hail (0.75)**

Dime-size hail reported by two storm spotters in Albion. Hail accumulated to one inch.

Bannock County

Pocatello | **12** | **1425MST** **1900MST** | **0** | **0** | **100K** | **Heavy Rain**

Heavy rain caused considerable water damage to the Main Street Post Office roof, insulation and ceiling tiles.

Cassia County

3 W Heglar to Idahome | **12** | **1500MST** **1515MST** | **0** | **0** | **Hail (1.00)**

Dime to Quarter-size hail severly damaged crops. Farmers estimated up to 70 percent wheat damage in Idahome area.

Cassia County

2 N Heglar | **12** | **1515MST** **1600MST** | **0** | **0** | **Hail (0.75)**

Spotter reported dime-size hail and 0.70 inch of rain.

Cassia County

2 E Heglar to 1 W Heglar | **12** | **1530MST** **1630MST** | **0** | **0** | **Flash Flood**

6 to 8 feet of water rushed down Heglar Canyon damaging Heglar Canyon Road in several locations. Water flooded over one bridge.

Cassia County

Heglar to 1 N Heglar | **12** | **1530MST** **1615MST** | **0** | **0** | **Flash Flood**

Chapin Road was damaged by 1 to 3 feet of water which flooded down the normally dry stream channel next to the road.

Bannock County

Pocatello | **12** | **1504MST** **1522MST** | **0** | **0** | **1.0M** | **Hail (1.75)**

Hail from quarter to golfball-size occurred from Yellowstone Ave near Alameda to the lower Pocatello Creek area. Numerous vehicles (500+) and roofs(200+) in the area were damaged by hail. Specific hail reports within this area include: 1.75 inch hail 15th and Oak Street, 1.75 inch hail Maple Street and Yellowstone Ave, 1.5 inch hail near Poplar Street and Interstate 15, 1.25 inch hail at Channel 6 studio, 1.0 inch hail lower Pocatello Creek, and 1.0 inch hail Monte Vista.

Bannock County

Pocatello | **12** | **1515MST** **1600MST** | **0** | **0** | **Urban/Sml Stream Fld**

Heavy rain and the resultant runoff flooded down Kimberly Lane and across Pocatello Creek Road with two to three inches of rock and mud deposited on Pocatello Creek Road.

Power County

9 N Pauline | **12** | **1550MST** **1600MST** | **0** | **0** | **Heavy Rain**

Extremely heavy rain and hail 1/2 inch diameter reported by storm spotter.

Power County

2 N Arbon | **12** | **1635MST** | **0** | **0** | **Hail (1.00)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
IDAHO, Southeast									
Oneida County									
Malad	**12**	**1738MST**			**1**	**0**			**Heavy Rain**
	M?OT								
Bannock County									
2 NE Pocatello	**15**	**1410MST**			**0**	**0**			**Dry Microburst**
	Wind Gust 50 mph.								
Caribou County									
Soda Spgs	**18**	**1518MST**			**0**	**0**			**Hail (1.75)**
	Hail up to golfball-size reported at Soda Springs Highschool.								
Caribou County									
Soda Spgs Arpt	**18**	**1521MST**			**0**	**0**			**Hail (0.75)**
Caribou County									
Soda Spgs	**18**	**1523MST**			**0**	**0**			**Hail (0.88)**
	Reported by the County Emergency Director in center of Soda Springs. Hail accumulated 1 to 2 inches.								
Bannock County									
2 NE Pocatello	**21**	**1410MST**			**0**	**0**			**Tstm Wind/Hail**
	Hail up to 1/2 inch diameter.								
Bannock County									
Pocatello	**21**	**1411MST**			**0**	**0**			**Hail (0.75)**
	Dime-size hail along the lower east bench of Pocatello.								
Bannock County									
Pocatello	**22**	**1410MST**			**0**	**0**			**Heavy Rain**
		1512MST							
	2.1 inches of rain along lower Pocatello Creek.								
Bannock County									
2 NE Pocatello	**22**	**1415MST**			**0**	**0**			**Hail (1.00)**
		1512MST							
Bannock County									
Pocatello	**22**	**1415MST**			**0**	**0**			**Heavy Rain**
		1518MST							
	3.01 inches of rain on NE side of ISU Campus.								
Bannock County									
2 NE Pocatello	**22**	**1415MST**			**0**	**0**			**Heavy Rain**
		1503MST							
	1.51 inches of rain.								
Bannock County									
Pocatello	**22**	**1415MST**			**0**	**0**			**Heavy Rain**
		1516MST							
	1.62 inches of rain at Channel 6 News Studio.								
Bannock County									
Pocatello	**22**	**1437MST**			**0**	**0**			**Hail (1.00)**
	Quarter-size hail along Yellowstone Avenue.								
Bannock County									
Pocatello	**22**	**1443MST**			**0**	**0**			**Hail (1.25)**
	Half dollar-size hail at Indian Hills School.								
Bannock County									
Pocatello to 3 NE Pocatello	**22**	**1500MST**			**0**	**0**			**Flash Flood**
		1630MST							
	Flash Flooding occurred from the southwest side of Pocatello near Trail Creek eastward across town to the lower portion of Pocatello Creek. Pocatello Creek rose 6 to 8 feet flooding over some bridges. Water running off the hillside near Trail Creek flooded over Foothill Blvd and into some homes in a trailer park. Water collected in the central portion of Pocatello flooding several street blocks from Yellowstone Ave near Alameda to Oak Street and the Center Street Underpass. The Center Street Underpass completely filled, about 12 feet of water between 1530 and 1600 mst. Sandbagging was required along the lower portion of Buckskin and Pocatello Creek where several homes were damaged.								

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

IDAHO, Southeast

Bannock County

Pocatello 22 **1512MST** 0 0 **Hail (0.75)**

Dime-size hail east bench area of Pocatello.

Cassia County

2 NE Sublett 22 **1600MST** 0 0 **Hail (0.75)**
1630MST

Bannock County

Chubbuck 23 **1440MST** 0 0 **Hail (0.75)**
1444MST

Dime-size hail and slightly larger observed at the north end of Chubbuck.

Bingham County

Blackfoot 23 **1508MST** 0 0 **Hail (0.75)**

Madison County

Rexburg 23 **1640MST** 0 0 **Hail (0.75)**

Madison County

1 N Sugar City 23 **1641MST** 0 0 **Hail (0.75)**

Fremont County

1.5 S St Anthony 23 **1658MST** 0 0 **Hail (0.75)**

Fremont County

Teton 23 **1659MST** 0 0 **Hail (0.75)**

Fremont County

Ashton 23 **1723MST** 0 0 **Urban/Sml Stream Fld**

Very heavy rain and pea-size hail caused some minor stream flooding.

IDAHO, Southwest

Twin Falls County

(Twf)Twin Falls Arpt 07 **1830MST** 0 0 **Hail (0.75)**

An evening thunderstorm produced 3/4 inch hail at the Twin Falls Airport. Minor street flooding also occurred in downtown Twin falls with this storm.

Boise County

15 E Idaho City 11 **1900MST** 0 0 **Flash Flood**
2030MST

A series of mud slides and flash floods occurred in a remote region of the Boise Mountains on the evening of August 11. Scattered moderate showers and thunderstorms had been occurring over this region all day long. 8 mud slides cut Forest Service Road 317 with up to 4 feet of mud and debris. Normally dry stream beds were reported to contain up to 6 feet of water during the flood. No damage or injuries were reported.

Twin Falls County

Hollister 12 **1430MST** 0 0 **Hail (0.75)**

An afternoon thunderstorm produced 3/4 inch hail in the town of Hollister.

Jerome County

Jerome 12 **1656MST** 0 0 **Hail (0.88)**

A spotter in Jerome reported 7/8 inch hail with an evening thunderstorm.

Gem County

Emmett 20 **1500MST** 0 0 **Wild/Forest Fire**
2359MST

Gooding County

2 SW Bliss 20 **1500MST** 0 0 **Wild/Forest Fire**
2359MST

Afternoon and evening thunderstorms over southwest Idaho sparked 16 small wildfires. The largest burned about 325 acres of range land near Emmett. Another significant fire was started southwest of Bliss, Idaho. All of the fires were brought under control by late evening.

IDZ011>012 West Central Mountains - Lower Treasure Valley

23 **1300MST** 0 0 **High Wind (G56)**
1800MST

A strong cold front moved through southwest Idaho during the day on August 23rd. A remote weather station at Dead Indian

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

IDAHO, Southwest

Ridge recorded a wind gust of 62 mph with the frontal passage. Another remote weather station near the Snake River in Adams County recorded a wind gust of 64 mph.

ILLINOIS, Central

Knox County

6 NE Victoria	**03**	**1558CST**	**0.2**	**50**	**0**	**0**			**Tornado (F0)**
		1600CST							

A tornado briefly touched down on the south side of Lake Calhoun. It blew down between 25 to 30 large trees, some of which fell onto a picnic pavilion destroying it. No injuries were reported and no damage estimate was available.

Stark County

La Fayette	**03**	**1604CST**	**0.1**	**10**	**0**	**0**	**0**	**0**	**Tornado (F0)**

A tornado briefly touched down in a field. No damage or injuries were reported.

Stark County

La Fayette	**03**	**1604CST**			**0**	**0**	**0**	**0**	**Hail (0.75)**

Stark County

La Fayette to Toulon	**03**	**1604CST**			**0**	**0**		**0**	**Thunderstorm Wind**
		1610CST							

Thunderstorm winds blew down several large trees, including a large wild cherry tree in the La Fayette Cemetery, damaging several older tombstones. No injuries were reported and no damage estimate was available.

Peoria County

Brimfield	**03**	**1635CST**			**0**	**0**	**50K**	**0**	**Thunderstorm Wind (G52)**

Thunderstorm winds blew down a large tree onto a mobile home in Brimfield. The tree caused moderate damage to the home. Also, another mobile home nearby had a small storage shed blown up against it. No injuries were reported and damage to the mobile home was estimated around $50,000.

Peoria County

Peoria	**03**	**1655CST**			**0**	**0**		**0**	**Thunderstorm Wind**

Thunderstorm winds blew down several large trees, numerous tree limbs, and some power lines in Peoria. No injuries were reported.

Knox County

Galesburg	**03**	**1705CST**			**0**	**0**		**0**	**Thunderstorm Wind**

Thunderstorm winds blew down several trees and numerous tree limbs in Galesburg.

Fulton County

1 E Ellisville to Lewistown	**03**	**1740CST**			**0**	**0**		**0**	**Thunderstorm Wind**
		1810CST							

Thunderstorm winds blew down several large trees, tree limbs, and power lines as they moved through the Ellisville, Canton, and Lewistown areas. One large tree blocked Route 9 four miles west of Canton. No injuries were reported and no damage estimate was available.

Sangamon County

Pleasant Plains	**03**	**2315CST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind**

Thunderstorm winds blew a couple of large trees down onto Route 125 in Pleasant Plains. No injuries or damage were reported.

Marshall County

Varna to Toluca	**04**	**1425CST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind**
		1439CST							

Thunderstorm winds blew down several large trees in the Varna, La Rose, and Toluca areas. No injuries or damage were reported.

Mclean County

Carlock to Danvers	**04**	**1526CST**			**0**	**0**		**0**	**Thunderstorm Wind**
		1538CST							

Thunderstorm winds blew down numerous large tree limbs and power lines, as well as, some small business signs. No injuries were reported and no damage estimate was available.

Cass County

1 E Philadelphia	**15**	**0255CST**			**0**	**0**	**0**		**Thunderstorm Wind**

Thunderstorm winds blew down an 80 foot sweet gum tree and damaged several hundred acres of corn 1 mile east of Philadelphia. No injuries were reported and no damage estimate was available.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
ILLINOIS, Central									
Sangamon County									
New Berlin to Riverton	**15**	**0255CST** **0330CST**			**0**	**0**		**0**	**Thunderstorm Wind**
A line of severe thunderstorms moved across Sangamon County blowing down numerous trees in the New Berlin, Springfield, and Riverton areas. Also, numerous power lines were blown down. No injuries were reported and no damage estimate was available.									
Menard County									
Countywide	**15**	**0305CST** **0315CST**			**0**	**0**		**0**	**Thunderstorm Wind**
Numerous tree limbs and power lines were blown down countywide. No injuries were reported and no damage estimate was available.									
Logan County									
Elkhart to Atlanta	**15**	**0325CST** **0350CST**			**0**	**0**		**0**	**Thunderstorm Wind**
Thunderstorm winds blew down numerous tree limbs and power lines in the Elkhart, Lincoln, and Atlanta areas. Also, a large tree was blown over in Lincoln which knocked out phone and electrical service in the immediate area. No injuries were reported and no damage estimate was available.									
Mclean County									
Chenoa	**15**	**0420CST**			**0**	**0**		**0**	**Thunderstorm Wind**
Thunderstorm winds blew down numerous tree limbs and power lines in the Chenoa area. No injuries were reported and no damage estimate was available.									
Champaign County									
Champaign	**15**	**0430CST**			**0**	**0**		**0**	**Thunderstorm Wind**
Thunderstorm winds blew down a large tree onto some power lines in Champaign. No injuries were reported and no damage estimate was available.									
Stark County									
2 NW Toulon to Bradford	**16**	**2000CST** **2020CST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G52)**
Thunderstorm winds blew down numerous large tree limbs in a path from 2 miles northwest of Toulon to Bradford. No injuries or damage were reported.									
Knox County									
6 NE Victoria	**16**	**2035CST**			**0**	**0**		**0**	**Thunderstorm Wind**
Several large trees were blown down, as well as, several power lines at Lake Calhoun. No injuries were reported and no damage estimate was available.									
Coles County									
Charleston	**24**	**1208CST**			**0**	**0**			**Hail (0.75)**
Peoria County									
2 W Princeville	**24**	**1315CST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind**
Thunderstorm winds blew down a tree 2 miles west of Princeville. No injuries or damage were reported.									
Champaign County									
Mahomet	**24**	**1338CST**			**0**	**0**			**Hail (1.00)**
Champaign County									
Mahomet to Rising	**24**	**1338CST** **1345CST**			**0**	**0**	**700K**		**Thunderstorm Wind**
Thunderstorm winds caused considerable damage as they moved through the western portions of Champaign County. Several trees were blown over and an air conditioning unit was blown off of its concrete base in Mahomet. Also, a trampoline was blown 30 feet in the air and landed in a nearby tree. Nearby at the Lake of the Woods park, 25 trees were seriously damaged and a small metal shelter was lifted up and moved about 100 feet. As the severe thunderstorms moved southeast, thunderstorm winds extensively damaged two empty grain bin silos in Rising. One 60-foot high corrugated steel bin was flattened and another nearby was left standing but crumpled. Also, a small screen bin, a grain dryer, spouts, and legs to the bins were twisted and torn. No injuries were reported and damage was estimated between $600,000 and $700,000 at the grain elevators in Rising. No estimate was available for the damage in Mahomet.									
Tazewell County									
2 W Hopedale	**24**	**1354CST**			**0**	**0**			**Hail (1.25)**
Peoria County									
Peoria	**24**	**1410CST**			**0**	**0**		**0**	**Hail (1.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
ILLINOIS, Central									
Tazewell County									
East Peoria to Delavan	**24**	**1410CST 1427CST**			**0**	**0**			**Hail (1.00)**
One inch hail fell in East Peoria, Morton, and Delavan as the severe thunderstorms moved southeast across the county.									
Macon County									
Harristown to Blue Mound	**24**	**1500CST 1534CST**			**0**	**0**		**0**	**Thunderstorm Wind**
As a severe thunderstorm moved south across western Macon County, thunderstorm winds knocked down numerous trees, tree limbs and power lines. Also, a power pole was snapped in half in Boody. No injuries were reported and no damage estimate was available.									
Logan County									
Burton View to 5 W Mt Pulaski	**24**	**1507CST 1519CST**			**0**	**0**	**0**	**0**	**Hail (1.75)**
Hail up to golfball size fell in a swath extending from Burton View to the west side of Lincoln then south to 5 miles west of Mt. Pulaski. No damage was reported.									
Christian County									
Mt Auburn	**24**	**1534CST**			**0**	**0**		**0**	**Thunderstorm Wind**
Thunderstorm winds blew down several trees and power lines in Mt. Auburn. No injuries were reported and no damage estimate was available.									
Logan County									
Latham	**24**	**1537CST**			**0**	**0**		**0**	**Thunderstorm Wind**
Thunderstorm winds blew down a large tree onto some power lines in Latham. No injuries were reported and no damage estimate was available.									
Champaign County									
Champaign	**24**	**1624CST**			**0**	**0**	**0**	**0**	**Hail (1.00)**
Menard County									
3 NE Petersburg	**24**	**1633CST**			**0**	**0**			**Hail (1.75)**
Piatt County									
La Place	**24**	**1840CST**			**0**	**0**			**Hail (1.75)**
Moultrie County									
Lovington	**24**	**1847CST**			**0**	**0**			**Hail (1.00)**
Logan County									
Chestnut	**24**	**1850CST**			**0**	**0**		**0**	**Thunderstorm Wind**
Thunderstorm winds blew down a large tree in Chestnut. No injuries were reported and no damage estimate was available.									
Coles County									
4 W Mattoon	**24**	**1917CST**			**0**	**0**	**0**		**Hail (1.75)**
Douglas County									
Arcola	**24**	**1936CST**			**0**	**0**			**Hail (1.00)**
ILLINOIS, Northeast									
Mchenry County									
Algonquin	**03**	**1847CST**			**0**	**0**			**Hail (1.00)**
Du Page County									
Bloomingdale to Woodridge	**03**	**1905CST 1940CST**			**0**	**0**			**Thunderstorm Wind (G50)**
Will County									
Bolingbrook	**03**	**2015CST**			**0**	**0**			**Thunderstorm Wind (G50)**
Strong thunderstorm winds downed many tree limbs, large trees and power lines. In Bolingbrook, at the corner of Rt. 53 and Briarcliff Rd.,a McDonald's restaurant sign was knocked down. Also on Rt. 53, a muffler shop suffered sign, roof and gutter damage and lost a portion of its back wall.									
Cook County									
Lemont	**03**	**2019CST**			**0**	**0**			**Thunderstorm Wind (G52)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ILLINOIS, Northeast

Kankakee County

Momence **03** **2115CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorms developed out ahead of a coldfront that moved through northeast Illinois during the late afternoon hours. The storms produced locally heavy rainfall, strong winds and hail. In Cook County, Oak Forest reported 1.79 inches of rain and Park Forest reported 1.78 inches of rain. Wind damage resulted from these storms with wind gusts to 60 mph reported. Damage from the storms included, several large trees and power lines downed. In DuPage County, a building sustained damage from high winds. In Cook County, strong winds peeled back the roof an apartment building in Hinsdale. Damage estimated to the roof was $15,000.

Will County

Romeoville to Joliet **04** **1540CST** **1545CST** **0** **0** **Thunderstorm Wind (G61)**

A 70 mph wind gust was reported at the NWS office in Romeoville. Trees and power lines were downed.

La Salle County

Earlville **04** **1610CST** **0** **0** **Thunderstorm Wind (G50)**

La Salle County

Utica to Dayton **04** **1630CST** **1635CST** **0** **0** **Thunderstorm Wind (G50)**

La Salle County

Ottawa **04** **1640CST** **1645CST** **0** **0** **Thunderstorm Wind (G61)**

La Salle County

Streator **04** **1705CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds blew down trees, limbs and power lines across La Salle County. The county sheriff's office reported a 70 mph wind gust at Ottawa.

Kankakee County

Kankakee **04** **1635CST** **0** **0** **Thunderstorm Wind (G50)**

Livingston County

Blackstone to Forrest **04** **1720CST** **1745CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds downed trees and power lines.

Cook County

Chicago **16** **1715CST** **0** **0** **Thunderstorm Wind (G50)**

Strong winds uprooted a tree near Lake Shore Drive. Heavy rains caused flooding to many viaducts throughout the city.

Cook County

Countywide **16** **1744CST** **2030CST** **0** **0** **Flash Flood**

Du Page County

Countywide **16** **1800CST** **0** **0** **Flash Flood**

Thunderstorms with heavy rain began in the afternoon and continued into the evening hours. The heaviest rain fell in an area from northeast DuPage County through north central Cook County. Rainfall from three to nearly eight inches caused widespread flooding of streets and basements. Chicago and other parts of Cook County were declared a federal disaster. A couple of rainfall amounts include: 7.94 inches in Franklin Park and 5.19 inches from an observer on the West Side of Chicago.

La Salle County

Mendota **16** **1855CST** **0** **0** **Thunderstorm Wind (G50)**

Will County

Crest Hill to Plainfield **16** **1950CST** **1958CST** **0** **0** **Thunderstorm Wind (G50)**

Kankakee County

Momence **16** **2015CST** **0** **0** **Thunderstorm Wind (G50)**

Strong to severe thunderstorms developed late in the afternoon and continued into the evening, producing strong winds, heavy rain and small hail. Downed trees and power lines resulted in numerous power outages.

ILLINOIS, Northwest

Rock Island County

Rock Is **03** **1458CST** **0** **0** **Thunderstorm Wind (G52)**

60 mph wind gust.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

ILLINOIS, Northwest

Rock Island County

(Mli) Quad City Arpt **03** **1506CST** **0** **0** **Thunderstorm Wind (G69)**

Measured 79 mph gust.

Rock Island County

Rock Is to Oak Grove **03** **1515CST** **1518CST** **0** **0** **Thunderstorm Wind (G70)**

Trees and power lines down.

Rock Island County

Illinois City **03** **1518CST** **0** **0** **250K** **Thunderstorm Wind (G79)**

91 mph wind gust reported. Roof at the high school was damaged causing water damage to the gymnasium floor. Cost for the new roof and floor $250,000.

Henry County

Countywide **03** **1533CST** **0** **0** **Thunderstorm Wind (G57)**

60 to 70 mph wind gusts with numerous trees and powerlines downed.

Henry County

Galva **03** **1545CST** **0** **0** **Thunderstorm Wind (G57)**

Trees and power lines downed.

Hancock County

Nauvoo **03** **2157CST** **0** **0** **Thunderstorm Wind (G57)**

Trees downed.

A line of severe thunderstorms brought widespread damaging winds and heavy rains. 46,000 electrical customers in the Quad Cities area were left without power due to widespread downed power lines. Newspaper quotes from electrical company spokesman, called this the largest outage since the ice storm of January 1993.

Winds were strong enough to snap cables which held a Bettendorf, Iowa casino riverboat to the dock. The boat and 1,076 passengers took an unexpected cruise in the Mississippi River for 90 minutes before they could be re-docked. One casino employee was injured by flying glass; no other injuries were reported.

Carroll County

Savanna **04** **1608CST** **0** **0** **Thunderstorm Wind (G57)**

A line of strong to severe thunderstorms pushed through the area. Winds at Savanna were measured with a peak wind gust to 65 mph.

Henry County

2 S Cambridge **16** **2020CST** **0** **0** **Hail (1.00)**

Henry County

5 SW Kewanee **16** **2020CST** **0** **0** **2K** **Hail (1.00)**

Hail dented car hoods.

Widespread thunderstorms brought a full range of severe weather to the area. Tornadoes, damaging thunderstorm winds, large hail, and very heavy rains were all reported.

The only confirmed tornado tracked across open country in Iowa, causing no damage or injuries; however, numerous funnel clouds were reported in Iowa and Illinois.

Several rainfall reports of one to two inches of rain per hour were received, with a total of five inches reported in southern Henry County. A flash flood watch and several flash flood warnings were issued, but widespread flash flooding was not reported.

ILLINOIS, South

NONE REPORTED.

ILLINOIS, Southwest

Adams County

Fowler **24** **1958CST** **0** **0** **Thunderstorm Wind (G51)**

A volunteer firefighter reported 60 mph wind gusts in Fowler along with minor tree damage.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
ILLINOIS, Southwest									
Washington County									
Ashley	**25**	**1610CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Thunderstorm wind gusts downed power lines in Ashley.									
Marion County									
Salem	**30**	**1615CST**			**0**	**0**			**Hail (1.00)**
County Sheriff reported quarter size hail in Salem.									
INDIANA, Central									
Hamilton County									
Fishers	**16**	**2335EST**			**0**	**0**	**1.5K**		**Thunderstorm Wind**
		2336EST							
Thunderstorm winds blew down trees and power lines at 96th and Ditch.									
Hamilton County									
Carmel	**16**	**2350EST**			**0**	**0**	**1.5K**		**Thunderstorm Wind**
Thunderstorm winds blew down trees and power lines.									
Jackson County									
Seymour	**17**	**0200EST**			**0**	**0**	**0.50K**		**Thunderstorm Wind**
		0202EST							
Thunderstorm winds blew down large rotted tree at East Tipton Street.									
Morgan County									
2 N Martinsville	**24**	**1921EST**			**0**	**0**			**Hail (1.75)**
		1923EST							
Morgan County									
3 E Martinsville	**24**	**1921EST**			**0**	**0**			**Hail (1.75)**
		1923EST							
Johnson County									
Trafalgar	**24**	**1930EST**			**0**	**0**			**Hail (2.75)**
		1932EST							
Morgan County									
Morgantown	**24**	**1930EST**			**0**	**0**			**Hail (2.00)**
		1932EST							
INDIANA, Northeast									
Noble County									
5 S Rome City	**15**	**1805EST**			**0**	**0**			**Thunderstorm Wind (G60)**
		1806EST							
De Kalb County									
Near Waterloo	**15**	**1850EST**			**0**	**0**	**1K**		**Tstm Wind/Hail**
		1852EST							
Several trees down on County Road 20 near Waterloo.									
Lagrange County									
North Twin Lake	**16**	**0605EST**			**0**	**0**	**2K**		**Tstm Wind/Hail**
		0606EST							
10 inch diamter trees down. Power lines down on 650N between 200W and 150W. Roads blocked temporarily.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

INDIANA, Northeast

De Kalb County

Across County	**16**	**2030EST** **2300EST**			**0**	**0**	**25K**		**Flash Flood**

Three to four plus inches of rain across county caused widespread road flooding with cars abandoned.

Lagrange County

Southern Half Cnty	**16**	**2215EST** **2300EST**			**0**	**0**	**1K**		**Flash Flood**

Widespread flooding caused by three plus inches of rain across southern half of county.

Allen County

Near Leo to Northeast County	**16**	**2300EST** **2345EST**			**0**	**0**	**5K**		**Flash Flood**

Three and one half inches rain in northeast allen county put many roads underwater and cars were abandoned.

Whitley County

Near South Whitley	**16**	**2320EST** **2350EST**			**0**	**0**			**Flash Flood**

Southern part of county had heavy rain causing road flooding and flooded basements around South Whitley.

INDIANA, Northwest

Lake County

Crown Pt	**16**	**1900EST**			**0**	**0**			**Thunderstorm Wind (G50)**

Numerous 1 to 2 foot diameter trees were snapped off at or near the ground south of Crown Point.

La Porte County

8 ESE La Porte	**16**	**1930EST** **2000EST**	**0.5**	**30**	**0**	**0**			**Tornado (F0)**

A short and narrow tornado tore a path through a corn field.

St. Joseph County

1 N South Bend	**16**	**2003EST** **2022EST**			**0**	**0**			**Hail (1.75)**

St. Joseph County

Lakeville	**16**	**2022EST**	**0.5**	**30**	**0**	**0**			**Tornado (F0)**

A short, narrow tornado touched down briefly between Lakeville and LaPaz. A semi was blown over on highway 31.

INDIANA, South Central

NONE REPORTED.

INDIANA, Southeast

Ripley County

Versailles	**17**	**1245EST** **1300EST**			**0**	**0**	**75K**		**Thunderstorm Wind (G60)**

Numerous trees were downed, many of which fell across power lines and one of which fell across a vehicle. A barn was damaged and a dozen campers and mobile homes suffered significant damage with two being destroyed.

Dearborn County

Mt Sinai	**17**	**1755EST** **1800EST**	**0.5**	**100**	**0**	**0**	**20K**		**Tornado (F0)**

A tornado made a brief touchdown and downed numerous trees.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
INDIANA, Southwest									
Vanderburgh County									
5 W Evansville	**18**	**1214CST 1223CST**	**0.5**	**40**	**0**	**0**			**Tornado (F0)**
A funnel cloud was sighted by numerous witnesses over western Vanderburgh County. Air traffic control personnel at the Evansville Airport tower reportedly saw the funnel cloud drop below the tree line. Videotape was taken of the funnel cloud briefly touching down. The weak tornado apparently caused no damage.									
Vanderburgh County									
Evansville	**19**	**1600CST 1730CST**			**0**	**0**	**20K**		**Urban/Sml Stream Fld**
Thunderstorms dumped heavy rain during the late afternoon and early evening. Radar estimated between 2 and 3 inches fell over Evansville within 3 hours. Less than an inch of rain was measured at the Evansville airport. The flooding stranded many motorists in floodwaters around 3 feet deep. Several streets were closed. Firefighters were busy rescuing people stranded in the flooding, including a group of elderly people at Division and Main Streets. The group of six elderly people were stranded in a van, and had to be taken out of the area by a fire truck. Two other people were rescued at the same intersection. The Water Rescue Team was called to a viaduct to rescue two people stranded in a car. No injuries were reported. An official with the city Division of Transportation estimated about 200 cars were stranded by flooding in the city. The Lloyd Expressway was closed for about two hours near the Vann Avenue exit when a Greyhound bus became stranded. The only homes threatened by flooding were on two city streets that routinely experience flood problems. City pump trucks were sent to that area to help remove the water.									
Warrick County									
Chandler	**19**	**1700CST 1830CST**			**0**	**0**			**Urban/Sml Stream Fld**
Thunderstorms with heavy rain caused some roads across the county to flood. No reports of road closures or stranded motorists were received.									
IOWA, Central									
Clarke County									
Osceola	**04**	**1530CST**			**0**	**0**	**15K**	**2K**	**Thunderstorm Wind (G56)**
A brief but intense thunderstorm moved over Clarke County during the mid afternoon hours. As it moved through the Osceola area, high winds downed trees in several areas of town. Power was also knocked out in many areas as well.									
Crawford County									
5 E Denison	**14**	**2215CST**			**0**	**0**	**10K**	**2K**	**Thunderstorm Wind (G52)**
Carroll County									
Carroll	**14**	**2255CST**			**0**	**0**	**10K**	**2K**	**Thunderstorm Wind (G52)**
Greene County									
Scranton	**14**	**2310CST**			**0**	**0**	**10K**	**2K**	**Thunderstorm Wind (G52)**
Boone County									
Ogden	**14**	**2330CST**			**0**	**0**	**10K**	**2K**	**Thunderstorm Wind (G52)**
Dallas County									
Perry	**14**	**2335CST**			**0**	**0**	**5K**		**Thunderstorm Wind (G50)**
Jasper County									
Newton	**14**	**2336CST**			**0**	**0**	**10K**		**Thunderstorm Wind (G52)**
Boone County									
Boone	**14**	**2340CST**			**0**	**0**	**10K**	**1K**	**Thunderstorm Wind (G50)**
Dallas County									
Woodward	**14**	**2345CST**			**0**	**0**	**10K**	**2K**	**Thunderstorm Wind (G50)**
Dallas County									
1 N Woodward	**14**	**2357CST 2359CST**	**0.2**	**20**	**0**	**0**		**1K**	**Tornado (F0)**
Hamilton County									
Randall	**15**	**0005CST**			**0**	**0**	**5K**		**Thunderstorm Wind (G50)**
Story County									
Roland	**15**	**0010CST**			**0**	**0**	**20K**	**10K**	**Thunderstorm Wind (G61)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
IOWA, Central									
Polk County									
Des Moines	**15**	**0020CST**			**0**	**0**	**3K**		**Thunderstorm Wind (G50)**
Jasper County									
Colfax	**15**	**0045CST**			**0**	**0**	**40K**	**10K**	**Thunderstorm Wind (G65)**
Hardin County									
Union	**15**	**0053CST**			**0**	**0**	**30K**	**10K**	**Thunderstorm Wind (G65)**
A cold front approached Iowa from the northwest. At the same time, the upper level flow had become west with speeds increasing from what they had been the previous several days. The airmass over Iowa was quite unstable with CAPE values around 2500 J/kg. Thunderstorms fired in northeast Nebraska and southeast South Dakota. The storms became severe quickly and as the moved into Iowa took on a bow echo configuration. The main severe weather feature with these storms was the high winds along the track of the bow echo. At times these winds reached 75 MPH. Considerable tree damage was reported with the storms. One small tornado touched down north of Woodward in Dallas County. The tornado touched down in a field and caused little damage.									
Wapello County									
Ottumwa	**15**	**2255CST**			**0**	**0**	**2K**		**Thunderstorm Wind (G50)**
Thunderstorms erupted over southern Iowa during the late afternoon hours. The airmass remained quite unstable as was the case the previous day. The cold front approaching the state washed out, leaving very humid and unstable air in place over the state. As the storms moved through Ottumwa, strong winds downed several large trees around the city.									
Warren County									
Medora	**16**	**1844CST** **1846CST**	**0.2**	**20**	**0**	**0**		**1K**	**Tornado (F0)**
Warren County									
2 S Indianola	**16**	**1853CST**			**0**	**0**	**10K**	**20K**	**Hail (1.75)**
Warren County									
2 SW Indianola	**16**	**1910CST**			**0**	**0**	**10K**	**20K**	**Hail (1.75)**
Warren County									
2 S Indianola	**16**	**1925CST** **1929CST**	**0.3**	**25**	**0**	**0**	**0.50K**	**2K**	**Tornado (F0)**
Marion County									
Melcher	**16**	**2020CST**			**0**	**0**		**5K**	**Hail (0.75)**
Polk County									
1 S Des Moines	**16**	**2026CST**			**0**	**0**	**1K**	**1K**	**Hail (0.75)**
Jasper County									
Lynnville	**16**	**2044CST**			**0**	**0**	**15K**	**3K**	**Thunderstorm Wind (G65)**
Wapello County									
Ottumwa	**16**	**2108CST**			**0**	**0**	**5K**	**1K**	**Thunderstorm Wind (G52)**
A very unstable atmosphere was in place over Iowa as a strong cold front approached from the northwest. Surface dew point temperatures were in the mid to upper 70s with 850 mb dew points in the upper teens Celcius. CAPE values were near 5000 J/kg and in some instances near 8000 J/kg. Thunderstorms were slow to fire, but once they did development was explosive. Thunderstorms formed into a mesoscale convective complex (MCC) during the evening hours. As it typical of MCC development, severe weather occurred during the first few hours of it's development. Large hail occurred south of Des Moines, just south of Indianola with up to golf ball size hail measured. This was the largest hail reported, however many areas received up to marble size hail. At least two small tornadoes touched down early on in the storms development. These were both quite weak and only touched down intermittently. One was over the far south central part of Warren County, the second just south of Indianola. Fortunately, both of these tornadoes were in open country and caused little damage beyond crop damage. During the mid evening hours, winds became a problem over southeast Iowa. Sixty MPH winds were reported in Ottumwa, resulting in some damage around the city. The storms did produce significant rainfall. Three to six inches of rain fell over portions of Marion, Lucas, and Wayne Counties. Reports from the area indicate some ponding of water, however no significant flooding occurred due to the dry andicedent soil conditions.									
Butler County									
2 NE Clarksville	**23**	**2000CST**			**0**	**0**	**35K**	**10K**	**Thunderstorm Wind (G61)**
Grundy County									
Dike	**23**	**2140CST**			**0**	**0**	**5K**	**1K**	**Thunderstorm Wind (G52)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
IOWA, Central									
Black Hawk County									
Hudson	**23**	**2154CST**			**0**	**0**		**10K**	**Hail (0.75)**
Tama County									
2 N Traer	**23**	**2220CST**			**0**	**0**		**10K**	**Hail (0.75)**
A warm front lifted slowly north across Iowa during the day. The airmass became very unstable with dew point temperatures rising into the middle to upper 70s F. in the vicinity of the front. This pushed CAPE values to near 5000 J/kg. Though much of the severe weather occurred to the northeast of Iowa, late evening storms brought gusty winds and some hail as far southwest at Tama County. Hail was restricted to dime size due to very warm air aloft. A 60 MPH wind gust was recorded in Grundy County at Dike.									
Decatur County									
3 NW Decatur City	**24**	**2133CST**			**0**	**0**	**5K**	**1K**	**Thunderstorm Wind (G52)**
Ringgold County									
Kellerton	**24**	**2203CST**			**0**	**0**	**10K**	**5K**	**Thunderstorm Wind (G56)**
Ringgold County									
Mt Ayr	**24**	**2225CST**			**0**	**0**	**5K**	**1K**	**Thunderstorm Wind (G52)**
Ringgold County									
5 SW Mt Ayr	**24**	**2237CST**			**0**	**0**		**10K**	**Hail (0.75)**
A very warm and humid air mass was in place over Iowa following the passage of a warm front the previous day. Temperatures reached the mid 80s to around 90 with dew point readings in the low to mid 70s F. A weak cold front dropped south across the state during the late afternoon. The front moved through ith little fanfare until after sunset. Scattered thunderstorms developed over south central Iowa and became severe. The storms produced winds of 60 to 65 MPH, downing numerous trees. Some hail was also reported with the storms, however it was limited to three quarter inch in size due to the very warm airmass in place over the state.									
Winnebago County									
Forest City	**30**	**0030CST**			**0**	**0**	**30K**		**Lightning**
Thunderstorms moved acros Winnebago County during the early morning hours of the 30th. Though they were not severe, lightning damage occurred in Forest City. Lightning struck the radio tower at the County Dispatch Office. The lightning damaged several thousand dollars worth of radio equipment and took the center off line for five hours.									
IOWA, East Central and Southeast									
Scott County									
Bettendorf	**03**	**1505CST**			**0**	**0**			**Hail (1.00)**
Scott County									
Davenport	**03**	**1510CST** **1515CST**			**0**	**2**	**10K**		**Thunderstorm Wind (G60)**
Wind blew a tree into an occupied car. The two occupants suffered minor injuries.									
Scott County									
Bettendorf	**03**	**1515CST**			**0**	**0**			**Thunderstorm Wind (G60)**
Numerous trees downed.									
Scott County									
Davenport	**03**	**1515CST**			**0**	**0**	**100K**		**Thunderstorm Wind (G60)**
Wind damage to several wooden buildings at the Mississippi Valley Fairgrounds. Winds struck on the final day of the fair, felling many large trees, flattening every booth and tent, and knocking over portable bathrooms.									
Scott County									
Bettendorf	**03**	**1520CST**			**0**	**1**			**Thunderstorm Wind (G69)**
Winds were strong enough to snap cables which held a Bettendorf, Iowa casino riverboat to the Dock. The Casino boat and 1,076 patrons then took an unexpected cruse in the MIssissippi River for 90 minutes before they could be re-docked. One Casino employee was injured by flying glass, no other injuries were reported.									
Scott County									
Davenport Arpt	**03**	**1548CST**			**0**	**0**	**100K**		**Lightning**
Well-grounded National Weather Service Radar was damaged by lightning strike.									
Benton County									
Walford	**03**	**1550CST**			**0**	**0**			**Hail (1.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

IOWA, East Central and Southeast

Scott County

Parkview	**03**	**1550CST**			**0**	**0**			**Hail (0.75)**

Scott County

Davenport	**03**	**1600CST**			**0**	**0**			**Hail (0.75)**

Dubuque County

Dubuque	**03**	**1940CST**			**0**	**0**			**Hail (1.00)**

Dubuque County

Dubuque	**03**	**1950CST**			**0**	**0**			**Thunderstorm Wind (G50)**

Trees and power lines downed.

A line of severe thunderstorms brought widespread damaging winds and heavy rains. 46,000 electrical customers in the Quad Cities area were left without power due to widespread downed power lines. Newspaper quotes from electrical company spokesman, called this the largest outage since the ice storm of January 1993.

Winds were strong enough to snap cables which held a Bettendorf, Iowa casino riverboat to the dock. The boat and 1,076 passengers then took an unexpected cruse on the Mississippi River for 90 minutes before they could be re-docked. One Casino employee was injured by flying glass; no other injuries were reported.

Wind damage was also done to several wooden buildings at the Mississippi Valley Fairgrounds. Winds struck on the final day of the fair, felling many large trees, flattened every booth and tent, and knocking over portable bathrooms.

Scott County

Le Clair	**16**	**1852CST**			**0**	**0**			**Lightning**

Tree exploded due to lightning strike.

Scott County

Le Clair	**16**	**1855CST**			**0**	**0**			**Hail (1.00)**

Muscatine County

5 N Muscatine	**16**	**2006CST**			**0**	**0**			**Hail (1.00)**

Johnson County

Countywide	**16**	**2020CST**			**0**	**0**			**Thunderstorm Wind (G52)**

Thunderstorm winds snapped off trees across southern Johnson county, while the main storm remained across Muscatine county.

Muscatine County

Muscatine	**16**	**2123CST**			**0**	**0**			**Flash Flood**

Highway 61 bypass impassable due to water over the road. 0.91 inches of rain were reported in 15 minutes.

Widespread thunderstorms brought a full range of severe weather to the area. Tornadoes, damaging thunderstorm winds, large hail, and very heavy rains were all reported.

The only confirmed tornado tracked across open country causing no damage or injuries; however, numerous funnel clouds were reported.

Several rainfall reports of one to two inches of rain per hour were received, but widespread flash flooding was not reported.

IOWA, Northeast

Clayton County

3 N Elkader	**03**	**1823CST**			**0**	**0**	**50K**	**20K**	**Hail (1.75)**

Hail the size of golfballs heavily damaged two new pickup trucks and also damaged some crops.

Floyd County

5 SW Charles City to 5 S Charles City	**23**	**1950CST 2000CST**	**5**	**150**	**0**	**0**	**400K**	**50K**	**Tornado (F1)**

Floyd County

Charles City	**23**	**1956CST**			**0**	**0**	**25K**		**Thunderstorm Wind (G55)**

Winneshiek County

12 NE Decorah	**23**	**2047CST**			**0**	**0**		**60K**	**Hail (0.75)**

Clayton County

Elkader	**23**	**2150CST**			**0**	**0**		**40K**	**Hail (1.75)**

A tornado damaged seven farms, destroying numerous grain bins and outbuildings. Eight cattle were also killed by downed power

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
IOWA, Northeast									
lines. Hail the size of golf balls was reported by storm spotters.									
IOWA, Northwest									
Woodbury County									
Sergeant Bluff	**14**	**2040CST**			**0**	**0**			**Thunderstorm Wind (G52)**
IOWA, Southwest									
Fremont County									
Tabor	**03**	**1955CST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Roof shingles ripped off of a home.									
KANSAS, East									
Morris County									
White City	**14**	**1840CST**			**0**	**0**			**Hail (1.75)**
Wabaunsee County									
1 E Alta Vista	**14**	**1910CST**			**0**	**0**	**2K**		**Thunderstorm Wind (G52)**
Strong winds damaged a shed and knocked down two large trees.									
Shawnee County									
Topeka	**14**	**2100CST**			**0**	**0**			**Hail (1.00)**
Three-fourths to one inch size hail fell in the southwest part of town.									
Douglas County									
2 N Big Spgs	**14**	**2135CST**			**0**	**0**			**Hail (0.75)**
Jefferson County									
Perry	**14**	**2140CST**			**0**	**0**			**Hail (0.75)**
Douglas County									
Midland	**14**	**2150CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Strong winds downed several power lines and large trees.									
Douglas County									
Lawrence	**14**	**2200CST**			**0**	**0**	**3K**		**Thunderstorm Wind (G50)**
Strong winds knocked down two partially constructed walls of a triplex under construction.									
Riley County									
1 E Leonardville	**16**	**0450CST**			**0**	**0**	**23K**	**7K**	**Lightning**
Lightning struck a barn and caused a fire which destroyed the barn, as well as farm machinery and hail inside the barn.									
Washington County									
Hanover	**16**	**1820CST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Strong winds knocked down one wall and the rafters of an under construction convenience store.									
Washington County									
Greenleaf	**16**	**1820CST**	**0.8**	**150**	**0**	**0**	**15K**		**Tornado (F0)**
A tornado touched down twice on the northeast corner of town, producing minor damage to five homes but destroyed the garages attached to two of the homes. A camper-trailer was also damaged and several utility poles were knocked down.									
Nemaha County									
Centralia	**16**	**1830CST**			**0**	**0**			**Hail (0.75)**
Nemaha County									
Seneca	**16**	**1834CST**			**0**	**0**			**Hail (0.75)**
Clay County									
Longford	**16**	**1839CST**			**0**	**0**			**Hail (1.75)**
Clay County									
8 SW Clay Center	**16**	**1844CST**			**0**	**0**			**Hail (0.75)**
Clay County									
8 NE Clay Center	**16**	**1845CST**			**0**	**0**			**Hail (1.00)**
Clay County									
8 S Clay Center	**16**	**1900CST**			**0**	**0**			**Hail (1.75)**
Clay County									
8 S Clay Center	**16**	**1900CST**			**0**	**0**	**15K**		**Lightning**
Lightning struck the television antenna on a house but little damage resulted. Another lightning strike just south of Clay Center									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
KANSAS, East									
caused a fire which destroyed a barn.									
Nemaha County									
Baileyville	**16**	**1900CST**			**0**	**0**			**Hail (1.75)**
Nemaha County									
Baileyville	**16**	**1923CST**			**0**	**0**			**Hail (1.75)**
Clay County									
5 N Clay Center	**16**	**1924CST**			**0**	**0**			**Hail (0.75)**
Nemaha County									
5 N Goff	**16**	**1924CST**			**0**	**0**			**Hail (1.00)**
Marshall County									
5 N Lillis	**16**	**1930CST**			**0**	**0**			**Thunderstorm Wind (G55)**
Strong winds downed several large trees.									
Marshall County									
Marysville	**16**	**1935CST**			**0**	**0**			**Hail (0.75)**
Dickinson County									
10 S Abilene	**16**	**1952CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Ottawa County									
Tescott	**16**	**2000CST**			**0**	**0**			**Hail (1.75)**
Nemaha County									
Seneca	**16**	**2005CST**			**0**	**0**			**Hail (0.75)**
Nemaha County									
2 W Woodlawn	**16**	**2010CST**			**0**	**0**			**Hail (0.75)**
Pottawatomie County									
Onaga	**16**	**2030CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Dickinson County									
Buckeye	**16**	**2040CST**			**0**	**0**			**Thunderstorm Wind (G61)**
Strong winds knocked down power lines.									
Jackson County									
Whiting	**16**	**2045CST**			**0**	**0**			**Thunderstorm Wind (G61)**
Strong winds broke large tree limbs.									
Dickinson County									
Abilene	**16**	**2050CST**			**0**	**0**			**Thunderstorm Wind (G56)**
Strong winds broke off 8 to 10 inch limbs, one of which fell into the window of a house.									
Brown County									
Powhattan	**16**	**2105CST**			**0**	**0**			**Thunderstorm Wind (G56)**
Strong winds downed large tree limbs.									
Clay County									
10 S Clay Center	**16**	**2115CST**			**0**	**0**			**Flash Flood**
Sheriff reported flooding in much of the south part of the county. As a result, several roads were barricaded. Locally heavy rain in excess of 3 inches produced the flooding. A weather observer four miles east of Longford reported 4.5 inches of rain.									
KANSAS, Extreme Southeast									
Cherokee County									
Baxter Spgs	**17**	**0130CST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Thunderstorm winds downed numerous trees and power lines.									
KANSAS, North Central									
Phillips County									
5 S Kirwin	**21**	**2018CST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Rooks County									
Stockton	**21**	**2036CST**			**0**	**0**	**25K**	**100K**	**Hail (1.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
KANSAS, North Central									
Osborne County									
16 S Osborne	**21**	**2045CST**			**0**	**0**	**0**	**50K**	**Hail (1.00)**
Phillips County									
5 N Stuttgart	**21**	**2102CST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Rooks County									
Codell	**21**	**2135CST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Rooks County									
3 S Plainville	**21** **22**	**2200CST** **0200CST**			**0**	**0**	**15K**	**0**	**Flood**
Jewell County									
Mankato	**21**	**2254CST**			**0**	**0**	**25K**	**150K**	**Hail (1.50)**
After dropping some hail across a part of north central Kansas, severe thunderstorms dumped in excess of three inches of rain in southern Rooks county. This caused the upper reaches of Paradise Creek to overflow and cover a part of U. S. Highway 183 for a time. Minor flooding resulted downstream as the creek remained at least bankfull the next day.									
KANSAS, Northeast									
Johnson County									
Leawood	**14**	**2205CST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Thunderstorm winds downed large tree limbs at State line Rd and West 123rd Street.									
Wyandotte County									
12 N Bonner Spgs to 6 W Wyandotte Co Lake	**14**	**2245CST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Tree limbs, 3 to 6 inches in diameter were downed by thunderstorm winds in northwest Wyandotte County. The reports occurred about 12 miles north of Bonner Springs.									
Miami County									
2 N Paola	**16**	**2335CST**			**0**	**0**			**Hail (0.75)**
Dime-size hail was reported 2 miles north of Paola.									
KANSAS, Northwest									
Cheyenne County									
6 N Bird City	**13**	**1823CST**			**0**	**0**			**Hail (1.00)**
Sherman County									
10 SE Goodland	**16**	**2245MST**			**0**	**0**			**Thunderstorm Wind (G57)**
Estimated 60 to 70 mph winds.									
Logan County									
10 W Russell Spgs	**16**	**2340CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Tree branches 2 to 3 inches in diameter downed.									
Decatur County									
3 SE Dresden	**18**	**1045CST**			**0**	**1**			**Lightning**
A 42 year old man was slightly injured by lightning while loading equipment on his truck.									
Rawlins County									
6 W Atwood	**21**	**2015CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Spotter estimated 60 mph winds.									
Decatur County									
Oberlin	**21**	**2030CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Spotter estimated 60 mph winds.									
Decatur County									
Dresden	**21**	**2100CST**			**0**	**0**	**250K**		**Thunderstorm Wind (G87)**
Wind blew out windows, uprooted trees, knocked down signs and antennas. At least 4 roofs were blown off; a storage building and a mobile home was destroyed. A leg on a grain elevator was bent. At Leoville, spotter estimated 60 mph winds.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
KANSAS, Northwest									
Graham County									
Hill City Arpt	**21**	**2130CST**			**0**	**0**	**50K**		**Thunderstorm Wind (G68)**
Wind gust recorded by ASOS. Damage in Hill City included windows blown out, power poles down, old barn destroyed, signs and tree branches down, and 1 roof off.									
Graham County									
2 W Morland	**21**	**2130CST**			**0**	**0**	**10K**		**Thunderstorm Wind (G61)**
Estimated 80 mph wind downed seven power poles west of Morland.									
Sheridan County									
4 ENE Tasco	**21**	**2130CST**			**0**	**0**	**10K**		**Thunderstorm Wind (G65)**
Wind estimated 70 to 80 mph damaged camper and brought down large tree limbs at Sheridan Lake. At Studley, estimated 70 mph winds brought down tree limbs.									
Graham County									
16 S Nicodemus	**21**	**2146CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Tree branches up to 3 inches in diameter downed.									
Rawlins County									
6 WNW Achilles	**28**	**2240CST**			**0**	**0**			**Hail (0.88)**
Rawlins County									
7 SW Atwood	**29**	**0415CST**			**0**	**0**			**Hail (1.00)**
Cheyenne County									
7 N Wheeler	**29**	**1922CST**			**0**	**0**			**Hail (0.75)**
Wichita County									
Leoti Arpt	**30**	**2230CST**			**0**	**0**			**Hail (1.00)**
Hail accompanied by winds over 55 mph.									
Gove County									
12 S Gove	**31**	**0415CST**			**0**	**0**			**Hail (0.75)**
KANSAS, Southeast									
Barton County									
Claflin	**16**	**1959CST**			**0**	**0**			**Hail (0.75)**
Ellsworth County									
3 E Ellsworth	**16**	**2050CST**			**0**	**0**			**Hail (1.00)**
Ellsworth County									
5 NW Holyrood	**16**	**2100CST**			**0**	**0**			**Hail (1.75)**
Saline County									
Salina	**16**	**2105CST**			**0**	**0**			**Thunderstorm Wind (G52)**
IN SALINA - 4-5 INCH TREE LIMBS BLOWN DOWN.									
Barton County									
2 E Hoisington	**16**	**2116CST**			**0**	**0**			**Hail (1.00)**
Mcpherson County									
2 S Moundridge	**16**	**2325CST**			**0**	**0**			**Thunderstorm Wind (G52)**
POWERLINES DOWNED.									
Ellsworth County									
Holyrood	**17**	**0032CST**			**0**	**0**			**Hail (1.00)**
Rice County									
Bushton	**17**	**0049CST**			**0**	**0**			**Hail (0.75)**
Butler County									
5 NW De Graff	**16**	**2352CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Sedgwick County									
8 E Wichita	**17**	**0012CST**			**0**	**0**	**50K**		**Thunderstorm Wind (G70)**
SHERWIN WILLIAMS PLANT IN ANDOVER SUSTAINED DAMAGE TO ROOF, SPRINKLER BUILDING & AN 8 X 12 OVERHEAD DOOR. ABOUT 20 POWER POLES WERE BLOWN DOWN, CLOSING US-54 BETWEEN GREENWICH RD & EAST 143RD ST FOR 18 HOURS. OTHER BUILDINGS SUSTAINED ROOF DAMAGE AS WELL.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

KANSAS, Southeast

Harper County

1 SE Ruella | **18** | **1955CST** | | | **0** | **0** | | | **Thunderstorm Wind (G61)**

DOUBLE-WIDE TRAILER HAD HALF IT'S ROOF TORN OFF. LARGE GRAIN BIN TIPPED OVER.

Harper County

3 W Anthony | **18** | **2000CST** | | | **0** | **0** | | | **Thunderstorm Wind (G61)**

NUMEROUS LARGE TREE LIMBS DOWNED.

Kingman County

10 SW Kingman | **20** | **1012CST** | | | **0** | **0** | | | **Hail (0.75)**

Reno County

2 E Sylvia | **20** | **1016CST** | | | **0** | **0** | | | **Thunderstorm Wind (G52)**

Kingman County

Nashville | **20** | **1032CST** | | | **0** | **0** | | | **Hail (0.88)**

Reno County

Langdon | **20** | **1035CST** | | | **0** | **0** | **10K** | | **Thunderstorm Wind (G61)**

TWO TREES BLOWN DOWN: ONE ON A HOME & ONE ON AN OUTBUILDING. OTHER TREES AND POWER POLES BLOWN DOWN RESULTED IN POWER OUTAGES.

Reno County

Pretty Prairie | **20** | **1051CST** | | | **0** | **0** | | | **Thunderstorm Wind (G52)**

Kingman County

4 NE Waterloo | **20** | **1105CST** | | | **0** | **0** | | | **Thunderstorm Wind (G61)**

TWO LARGE TREES BLOWN DOWN.

Reno County

Pretty Prairie | **20** | **1105CST** | | | **0** | **0** | | | **Thunderstorm Wind (G55)**

NUMEROUS TREES DOWNED.

Harper County

5 W Attica | **20** | **1125CST** | | | **0** | **0** | | | **Hail (1.00)**

Russell County

5 W Luray | **21** | **2043CST** | | | **0** | **0** | | | **Hail (1.50)**

Russell County

8 SE Waldo | **21** | **2100CST** | | | **0** | **0** | **50K** | | **Hail (2.75)**

THOUGH NOT HAIL-RELATED, TORRENTIAL RAINS OCCURRING AT THE TIME ERODED A ONE FOOT THICK LIMESTONE WALL BENEATH A SIDEWALK AND FOOTBRIDGE, CAUSING BOTH TO CRUMBLE.

Russell County

5 NE Russell | **21** | **2105CST** | | | **0** | **0** | | | **Hail (1.75)**

Ellsworth County

Ellsworth | **21** | **2125CST** | | | **0** | **0** | | | **Hail (1.00)**

Ellsworth County

8 S Ellsworth | **21** | **2215CST** | | | **0** | **0** | | | **Hail (1.75)**

Ellsworth County

Ellsworth | **21** | **2230CST** | | | **0** | **0** | | | **Thunderstorm Wind (G52)**

NUMEROUS TREE LIMBS DOWNED.

Ellsworth County

7 SE Lorraine | **21** | **2245CST** | | | **0** | **0** | **10K** | | **Thunderstorm Wind (G52)**

A PORCH AWNING WAS BLOWN OFF A HOUSE.

Rice County

2 N Lyons | **21** | **2258CST** | | | **0** | **0** | | | **Flash Flood**

WATER COVERED ROADS.

Rice County

1 N Lyons | **21** | **2258CST** | | | **0** | **0** | **25K** | | **Thunderstorm Wind (G52)**

TREES DOWNED ACROSS K-14. POWER POLES BLOWN DOWN 1N LYONS.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
KANSAS, Southeast									
Rice County									
Lyons	**21**	**2311CST**			**0**	**0**			**Thunderstorm Wind (G61)**
	8-10 INCH TREE LIMBS BLOWN DOWN								
Barton County									
Great Bend	**21**	**2314CST**			**0**	**0**			**Thunderstorm Wind (G63)**
Reno County									
3 N Sylvia	**21**	**2327CST**			**0**	**0**			**Thunderstorm Wind (G55)**
Barton County									
Claflin	**21**	**2340CST**			**0**	**0**			**Thunderstorm Wind (G61)**
	NUMEROUS LARGE TREE LIMBS DOWNED.								
Reno County									
Hutchinson	**21**	**2345CST**			**0**	**0**			**Thunderstorm Wind (G55)**
	2 POWER POLES DOWNED.								
Kingman County									
Kingman	**22**	**0005CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Reno County									
Sylvia	**22**	**0007CST**			**0**	**0**			**Thunderstorm Wind (G55)**
	NUMEROUS TREES & POWER LINES DOWNED.								
Harper County									
Anthony	**22**	**0040CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Sedgwick County									
Goddard	**22**	**0041CST**			**0**	**0**			**Thunderstorm Wind (G55)**
	MEASURED AT KSNW WEATHER LAB.								
Sumner County									
5 NW Belle Plaine	**22**	**0057CST**			**0**	**0**	**50K**		**Thunderstorm Wind (G61)**
	ROOF BLOWN OFF A HOUSE JUST NORTH OF BELLE PLAINE.								
Sumner County									
Mulvane	**22**	**0100CST** **0115CST**			**0**	**0**	**500K**		**Thunderstorm Wind (G70)**
	THREE HOMES SEVERELY DAMAGED, INCLUDING ONE COMPLETELY UNROOFED. NUMEROUS TREES AND POWER POLES BLOWN DOWN RESULTED IN WIDESPREAD POWER OUTAGES.								
Cowley County									
Winfield	**22**	**0125CST**			**0**	**0**			**Thunderstorm Wind (G55)**
	3 INCH TREE LIMBS DOWNED ALONG WITH NUMEROUS PYLONS ALONG HIGHWAY 77.								
Harvey County									
Newton	**22**	**0130CST**			**0**	**0**	**200K**		**Lightning**
	LIGHTNING STRUCK DUPLEX, SETTING IT ON FIRE. DUPLEX DESTROYED.								
Cowley County									
Winfield	**22**	**0131CST**			**0**	**0**			**Thunderstorm Wind (G52)**
	MEASURED AT EOC.								
Cowley County									
Arkansas City	**22**	**0132CST**			**0**	**0**			**Thunderstorm Wind (G52)**
	MEASURED AT KSNW WEATHER LAB.								
KANSAS, Southwest									
Scott County									
2 E Shallow Water	**01**	**1730CST** **1731CST**	**0.5**	**50**	**0**	**0**			**Tornado (F0)**
Scott County									
10 ESE Scott City	**01**	**1740CST** **1741CST**	**0.5**	**50**	**0**	**0**			**Tornado (F0)**
Kearny County									
Lakin	**01**	**1850CST**			**0**	**0**			**Thunderstorm Wind (G55)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
KANSAS, Southwest									
Kearny County									
10 NNE Lakin	**01**	**1900CST**			**0**	**0**			**Hail (1.00)**
Kearny County									
Lakin	**01**	**1900CST**			**0**	**0**			**Thunderstorm Wind (G65)**
Kearny County									
10 NNE Lakin	**01**	**1900CST**			**0**	**0**			**Thunderstorm Wind (G55)**
Stanton County									
Manter	**01**	**2110CST**			**0**	**0**			**Hail (1.00)**
Some damage to cars.									
Finney County									
Garden City	**06**	**0000CST**			**0**	**0**			**Heavy Rain**
		0800CST							
Heavy rain fell all across the county accumulating up to 5 inches. Minor flooding occurred at the Fair Grounds and in other low lying areas.									
Hamilton County									
Syracuse	**06**	**0000CST**			**0**	**0**			**Heavy Rain**
		0700CST							
Heavy rain fell all across the county accumulating up to 5 inches. No significant flooding was reported.									
Kearny County									
10 NW Lakin	**06**	**0000CST**			**0**	**0**	**100K**	**50K**	**Flash Flood**
		0700CST							
Widespread stratiform rain fell producing 5 to 10 inches. Flooding washed out a bridge on highway 25 between Lakin and Leoti. A watershed lake filled up to capacity...one that had not had water in it for over 30 years. Rainfall of 2 to 5 inches was widespread across the entire county and other parts of southwest and west central Kansas.									
Hamilton County									
Coolidge	**13**	**1435MST**			**0**	**0**			**Hail (0.88)**
Hamilton County									
2 SE Coolidge	**13**	**1510MST**			**0**	**0**			**Hail (0.75)**
Hamilton County									
16 SW Syracuse	**13**	**1525MST**			**0**	**0**			**Hail (0.75)**
Hamilton County									
11 SW Syracuse	**13**	**1530MST**			**0**	**0**			**Hail (1.75)**
Hamilton County									
12 SW Syracuse	**13**	**1610MST**	**0.2**	**50**	**0**	**0**			**Tornado (F0)**
Stanton County									
6 N Johnson	**13**	**1725CST**			**0**	**0**			**Flash Flood**
Water over highway K-27.									
Stanton County									
6 N Johnson	**13**	**1725CST**			**0**	**0**			**Hail (1.75)**
Some damage to corn.									
Stanton County									
5 N Johnson	**13**	**1728CST**			**0**	**0**			**Hail (1.00)**
Stanton County									
5 N Johnson	**13**	**1755CST**			**0**	**0**			**Hail (1.00)**
Pawnee County									
2 W Rozel	**15**	**0130CST**			**0**	**0**			**Hail (1.75)**
Pawnee County									
1 N Rozel	**15**	**0135CST**			**0**	**0**			**Hail (1.00)**
Pawnee County									
2 N Sanford	**15**	**0200CST**			**0**	**0**			**Hail (1.00)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
KANSAS, Southwest									
Stanton County									
5 S Johnson	**18**	**1756CST 1757CST**	**0.5**	**50**	**0**	**0**			**Tornado (F0)**
Seward County									
5 E Liberal	**18**	**1809CST**			**0**	**0**			**Thunderstorm Wind (G55)**
Knocked out power.									
Seward County									
13 ENE Liberal	**18**	**1835CST**			**0**	**0**			**Hail (0.75)**
Seward County									
10 E Liberal to 11.5 E Liberal	**18**	**1841CST 1844CST**	**1.5**	**300**	**0**	**0**			**Tornado (F0)**
Meade County									
19 SW Meade	**18**	**1850CST**			**0**	**0**			**Hail (1.00)**
Meade County									
15 S Plains	**18**	**1856CST**			**0**	**0**			**Thunderstorm Wind (G55)**
Trees damaged.									
Kearny County									
16 NW Lakin	**18**	**2040CST**			**0**	**0**			**Hail (0.88)**
Stafford County									
5 E St John	**20**	**0854CST**			**0**	**0**			**Hail (1.00)**
Stafford County									
5 E St John	**20**	**0858CST**			**0**	**0**			**Hail (1.75)**
Hail covered the ground.									
Rush County									
17 SE La Crosse	**20**	**0923CST**			**0**	**0**			**Hail (0.75)**
Pratt County									
13 NE Pratt	**20**	**0925CST**			**0**	**0**			**Hail (2.75)**
Hail covered the ground. Corn and milo destroyed on the Pratt/Stafford county line. Trailers damaged at the Pratt county lake.									
Pawnee County									
11 ENE Larned	**20**	**0930CST**			**0**	**0**			**Hail (1.50)**
Pawnee County									
12 NE Larned	**20**	**0930CST**			**0**	**0**			**Hail (1.75)**
Pawnee County									
8 NE Larned	**20**	**0930CST**			**0**	**0**			**Hail (1.00)**
Stafford County									
Stafford	**20**	**1003CST**			**0**	**0**			**Thunderstorm Wind (G64)**
Power lines down.									
Stafford County									
9 ESE St John	**20**	**1005CST**			**0**	**0**			**Thunderstorm Wind (G55)**
Stafford County									
Zenith	**20**	**1013CST**			**0**	**0**			**Thunderstorm Wind (G55)**
Kiowa County									
9 E Greensburg	**20**	**1108CST**			**0**	**0**			**Hail (0.88)**
Comanche County									
3 NE Wilmore	**20**	**1202CST**			**0**	**0**			**Hail (1.00)**
Clark County									
1 E Minneola	**20**	**1332CST**			**0**	**0**			**Hail (1.50)**
Clark County									
Minneola	**20**	**1343CST**			**0**	**0**	**2M**		**Hail (4.50)**
Nearly every window in the small community were broken with siding destroyed on many homes. Cars received considerable damage too. Shingles were also torn off. Skylights broken at the school.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
KANSAS, Southwest									
Clark County									
6 SSW Minneola	**20**	**1347CST 1348CST**	**0.4**	**50**	**0**	**0**			**Tornado (F0)**
Clark County									
10 S Minneola	**20**	**1410CST**			**0**	**0**			**Hail (1.75)**
Gray County									
5 E Charleston	**20**	**1610CST**			**0**	**0**			**Hail (1.00)**
Hail covered the ground.									
Gray County									
Montezuma	**20**	**1712CST**			**0**	**0**			**Hail (0.88)**
Hail covered the ground.									
Gray County									
5 NNW Montezuma	**20**	**1715CST**			**0**	**0**			**Hail (0.88)**
Hamilton County									
Syracuse	**20**	**1738MST**			**0**	**0**			**Hail (0.88)**
Meade County									
13 NW Meade	**20**	**1748CST**			**0**	**0**			**Hail (0.75)**
Gray County									
8 WNW Montezuma	**20**	**1750CST**			**0**	**0**			**Hail (2.75)**
Hamilton County									
5 S Syracuse	**20**	**1805MST**			**0**	**0**			**Hail (1.50)**
Finney County									
11 S Garden City	**20**	**1837CST**			**0**	**0**			**Hail (1.00)**
Finney County									
15 S Garden City	**20**	**1844CST**			**0**	**0**			**Hail (1.00)**
Haskell County									
12 N Sublette	**20**	**1905CST**			**0**	**0**			**Hail (1.00)**
Stanton County									
9 N Johnson	**20**	**1905CST**			**0**	**0**			**Hail (0.75)**
Trego County									
Wakeeney	**21**	**2147CST**			**0**	**0**	**1K**		**Thunderstorm Wind (G62)**
A few power poles blown down.									
Ellis County									
4 N Ellis	**21**	**2201CST**			**0**	**0**			**Thunderstorm Wind (G73)**
Rush County									
5 NW Otis	**21**	**2205CST**			**0**	**0**		**4.8K**	**Thunderstorm Wind**
20 acres of milo destroyed by wind.									
Ellis County									
Hays	**21**	**2215CST**			**0**	**0**			**Thunderstorm Wind (G56)**
Flag pole and satellite dish blown down. Trees uprooted.									
Rush County									
Otis	**21**	**2220CST**			**0**	**0**			**Thunderstorm Wind (G73)**
Shed destroyed...camper overturned...windows broken...tree limbs blown down.									
Rush County									
4 S Otis	**21**	**2230CST**			**0**	**0**		**0.20K**	**Thunderstorm Wind**
Roof blown off of a well pump house.									
Pawnee County									
6 NE Larned	**21**	**2255CST**			**0**	**0**			**Thunderstorm Wind (G65)**
6 inch tree limbs and a large tree blown down.									
Pawnee County									
9 ENE Larned	**21**	**2255CST**			**0**	**0**			**Thunderstorm Wind (G59)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
KANSAS, Southwest									
Stafford County									
Radium	**21**	**2300CST**			**0**	**0**			**Thunderstorm Wind (G65)**
Large tree limbs broken.									
Stafford County									
4 W Stafford	**21**	**2315CST**			**0**	**0**			**Thunderstorm Wind (G55)**
Tree limbs blown down.									
Scott County									
Scott City	**21**	**2325CST**			**0**	**0**			**Hail (0.75)**
Pratt County									
Byers	**21**	**2330CST**			**0**	**0**			**Hail (0.88)**
Stafford County									
8 SE Stafford	**21**	**2335CST**			**0**	**0**			**Thunderstorm Wind (G65)**
5 inch diameter tree limbs blown down.									
Pratt County									
1 S Iuka	**21**	**2340CST**			**0**	**0**			**Hail (1.00)**
Pratt County									
1 S Iuka	**21**	**2340CST**			**0**	**0**			**Thunderstorm Wind (G68)**
Pratt County									
Pratt	**21**	**2350CST**			**0**	**0**			**Hail (0.75)**
Pratt County									
Pratt	**21**	**2350CST**			**0**	**0**			**Thunderstorm Wind (G60)**
2 inch tree limbs blown down.									
Gray County									
7 N Charleston	**22**	**0000CST**			**0**	**0**	**250K**		**Thunderstorm Wind**
2 pivot sprinklers overturned...power poles blown down...a small airplane hanger was destroyed...a combine was rolled and crumpled up.									
Hodgeman County									
18 SW Jetmore	**22**	**0020CST**			**0**	**0**			**Thunderstorm Wind (G62)**
3 inch tree limbs blown down.									
Ford County									
11 SSE Dodge City	**22**	**0050CST**			**0**	**0**			**Hail (0.88)**
Clark County									
Ashland	**22**	**0125CST**			**0**	**0**			**Thunderstorm Wind (G59)**
Kearny County									
13 NW Lakin	**23**	**1706CST**			**0**	**0**			**Hail (1.00)**
Hail covered the ground.									
Hamilton County									
4 E Syracuse	**23**	**1709MST**			**0**	**0**			**Thunderstorm Wind (G59)**
Kearny County									
12 W Lakin	**23**	**1740CST**			**0**	**0**			**Thunderstorm Wind (G68)**
Kearny County									
12 W Lakin	**23**	**1746CST**			**0**	**0**			**Hail (0.88)**
KENTUCKY, Central									
Fayette County									
Lexington	**17**	**1355EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Police reported several trees and power lines down.									
Fayette County									
Lexington	**17**	**1723EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Trees and power lines down.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
KENTUCKY, Central									
Clark County									
Winchester	**17**	**1748EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Numerous trees down.									
Anderson County									
Lawrenceburg	**25**	**0630EST**			**0**	**0**			**Hail (0.75)**
Dime size hail reported.									
Mercer County									
Salvisa	**25**	**0700EST**			**0**	**0**			**Hail (0.75)**
Dime size hail reported.									
Harrison County									
Cynthiana	**28**	**2100EST**			**0**	**0**	**0.50K**		**Thunderstorm Wind (G50)**
Several trees were down, one on a pickup truck.									
KENTUCKY, Eastern									
Elliott County									
Bruin	**04**	**0945EST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind**
Large tree limbs were blown down.									
Pike County									
Pikeville	**04**	**1140EST**			**0**	**0**	**250K**	**0**	**Hail (2.00)**
Pike County									
Regina	**04**	**1204EST**			**0**	**0**	**0**	**0**	**Hail (0.88)**
Breathitt County									
Jackson Arpt	**04**	**1427EST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Wolfe County									
Hazel Green	**04**	**1545EST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Wolfe County									
Malaga	**04**	**1600EST**			**0**	**0**	**10K**	**50K**	**Hail (1.75)**
Hail caused extensive damage to the tobacco crop.									
Breathitt County									
Jackson	**04**	**1623EST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Leslie County									
Stinnett	**04**	**1710EST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind**
Trees were downed.									
Lee County									
Zachariah	**04**	**1745EST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Lee County									
St Helens	**04**	**1800EST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Breathitt County									
Talbert	**04**	**1825EST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Bath County									
Sharpsburg	**17**	**1425EST**			**0**	**0**	**3K**	**0**	**Thunderstorm Wind**
Trees were downed.									
Fleming County									
2 SE Poplar Plains	**17**	**1435EST**			**0**	**0**	**3K**	**0**	**Thunderstorm Wind**
Trees and power lines were downed.									
Fleming County									
Muses Mills	**17**	**1440EST**			**0**	**0**	**3K**	**0**	**Thunderstorm Wind**
Power lines were downed.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
KENTUCKY, Eastern									
Montgomery County									
Mt Sterling	**17**	**1445EST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind**
Trees were downed.									
Fleming County									
Hill Top	**17**	**1740EST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind**
Trees were downed.									
Bath County									
3 E Sharpsburg	**17**	**1745EST**			**0**	**0**	**5K**	**0**	**Thunderstorm Wind**
Numerous large trees were downed. A billboard was also blown over and power lines were downed.									
Bath County									
7 S Owingsville	**17**	**1755EST**	**0.1**	**20**	**0**	**0**	**25K**	**0**	**Tornado (F0)**
The tornado downed several trees. One large tree fell on a house and caused extensive structural damage.									
Fleming County									
Muses Mills	**17**	**1800EST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind**
Trees were downed.									
Menifee County									
7 W Frenchburg	**17**	**1805EST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind**
Trees were downed.									
Menifee County									
Frenchburg	**17**	**1815EST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind**
Trees were downed.									
Rowan County									
Morehead	**17**	**1830EST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind**
Telephone company employees estimated winds at 65 mph.									
Morgan County									
West Liberty	**17**	**1840EST**			**0**	**0**	**3K**	**0**	**Thunderstorm Wind**
Winds in West Liberty were estimated at 60 mph. Just outside of town trees and power lines were downed.									
Magoffin County									
2 E Salyersville	**17**	**1930EST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind**
Trees were downed.									
Harlan County									
Closplint	**17**	**2337EST**			**0**	**0**	**3K**	**0**	**Thunderstorm Wind**
Power lines were downed.									
KENTUCKY, Northeast									
Carter County									
5 NE Olive Hill	**04**	**0940EST**			**0**	**0**			**Hail (0.75)**
Lawrence County									
Blaine	**04**	**1610EST**			**0**	**0**			**Hail (1.00)**
Greenup County									
Tygarts Vly to Samaria	**17**	**1310EST 1320EST**			**0**	**0**	**15K**		**Thunderstorm Wind**
Several trees were knocked down along Route 7, plus along Route 784 near Salem Church.									
Carter County									
Grayson	**17**	**1320EST**			**0**	**0**	**30K**		**Lightning**
The emergency dispatch system for the county was damaged. The director said, "we lost the entire control console".									
Carter County									
Grayson	**17**	**1320EST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Boyd County									
2 S Coalton	**17**	**1500EST**			**0**	**0**	**2K**		**Thunderstorm Wind**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

KENTUCKY, Northeast

Carter County

Iron Hill — **17** — **1515EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Carter County

5 NE Olive Hill — **17** — **1530EST** — **0** — **0** — **8K** — **Thunderstorm Wind**

Numerous trees were blown down around Carter Cave State Park. One large wind was broken in the lodge.

Greenup County

Oldtown to Argillite — **17** — **1530EST** — **0** — **0** — **20K** — **Thunderstorm Wind**

Numerous trees were fallen along Route 1. Electricity was off for 6 hours.

Boyd County

Ashland — **17** — **1545EST** — **0** — **0** — **5K** — **Thunderstorm Wind**

Carter County

Beetle — **17** — **1545EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Carter County

2 NW Grayson — **17** — **1545EST** — **0** — **0** — **20K** — **Thunderstorm Wind**

Uprooted trees blew onto a house along Route 7. A 100 pound well box was blown 70 feet.

Carter County

Carter — **17** — **1835EST** — **0** — **0** — **3K** — **Thunderstorm Wind**

Trees and large branches were blown down along Route 2.

Lawrence County

Fallsburg — **17** — **1925EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Boyd County

Durbin — **17** — **1930EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

KENTUCKY, Northern

Bracken County

Countywide — **17** — **1345EST 1415EST** — **0** — **0** — **10K** — **Thunderstorm Wind (G50)**

Numerous trees downed, some of which blocked roads.

Pendleton County

Countywide — **17** — **1400EST 1415EST** — **0** — **0** — **10K** — **Thunderstorm Wind (G50)**

Many trees downed.

Mason County

Maysville — **17** — **1415EST 1420EST** — **0** — **0** — **5K** — **Thunderstorm Wind (G50)**

Trees downed.

Lewis County

Vanceburg to Garrison — **17** — **1455EST 1510EST** — **0** — **0** — **5K** — **Thunderstorm Wind (G50)**

Trees downed.

KENTUCKY, Southwest

Daviess County

Owensboro — **17** — **1420CST** — **0** — **0** — **10K** — **Thunderstorm Wind (G52)**

Scattered power outages were caused by tree limbs falling on power lines. About 2,000 people were without power in the area served by Owensboro Municipal Utilities.

Christian County

Hopkinsville — **19** — **1407CST** — **0** — **0** — **5K** — **Thunderstorm Wind (G52)**

Trees and power lines were down.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

KENTUCKY, Southwest

Graves County

Mayfield Graves Arpt to 1.5 N Mayfield | **19** | **1520CST** | | | **0** | **0** | **30K** | | **Thunderstorm Wind (G60)**

A 20-foot section of roof was blown off a building on the north side of Mayfield. Metal awning poles were blown through the plate glass window of a building next door. Several trees and power lines were down on Highway 80 near the Graves County Airport.

Calloway County

3 SW Murray | **19** | **1545CST** | | | **0** | **0** | | | **Thunderstorm Wind (G52)**

Trees were blown down.

Calloway County

2 NW New Concord | **19** | **1610CST** | | | **0** | **0** | | | **Thunderstorm Wind (G52)**

Three to four trees were down.

Henderson County

Henderson | **19** | **1600CST 1730CST** | | | **0** | **0** | | | **Urban/Sml Stream Fld**

Thunderstorms dumped very heavy rain over the region, causing street flooding in the usual flood-prone spots. A spotter measured about 1.5 inches in 90 minutes. Radar estimated up to 3 inches fell in a very local area. About a half dozen streets were either barricaded or marked with signs because of the flooding.

Mccracken County

2 S West Paducah | **26** | **1230CST** | | | **0** | **0** | **10K** | | **Thunderstorm Wind (G55)**

Numerous trees were blown down in a small area south of Barkley Regional Airport. The microburst brought down some large trees up to 70 feet tall. At least one road was blocked by fallen trees.

LOUISIANA, Northeast

Morehouse Parish

Beekman | **18** | **1700CST** | | | **0** | **0** | **3K** | | **Thunderstorm Wind**

Several trees and power lines were blown down.

LOUISIANA, Northwest

De Soto Parish

Mansfield | **09** | **1005CST** | | | **0** | **0** | | | **Flash Flood**

Over four inches of rain in less than 2 hours resulted in numerous flooding problems in town. High water forced the closing of several roads.

Caddo Parish

Ida | **20** | **1900CST** | | | **0** | **0** | | | **Thunderstorm Wind (G70)**

Several large trees were blown but no damage resulted.

Grant Parish

2 S Colfax | **20** | **2040CST** | | | **0** | **0** | | | **Thunderstorm Wind (G60)**

Several trees were toppled including a tree that fell across an electrical transformer on Louisiana Hwy 8.

Caddo Parish

Shreveport | **22** | **1045CST** | | | **0** | **0** | | | **Hail (1.00)**

Caddo Parish

North Shreveport | **22** | **1050CST** | | | **0** | **0** | | | **Hail (1.25)**

Caddo Parish

Shreveport Rgnl Arpt | **22** | **1152CST** | | | **0** | **0** | | | **Thunderstorm Wind (G59)**

Numerous trees and powerlines were toppled. Portions of the city were left without power for up to two days.

LOUISIANA, Southeast

Lafourche Parish

Cut Off | **08** | **1536CST** | | | **0** | **0** | | | **Funnel Cloud**

The Sheriff's Office reported sighting a funnel cloud.

Iberville Parish

2 N Iberville | **30** | **1705CST** | | | **0** | **0** | **0.50K** | | **Thunderstorm Wind**

The Sheriff's Office reported two trees downed.

Washington Parish

Bogalusa | **31** | **1500CST 1515CST** | | | **1** | **0** | **35K** | | **Thunderstorm Wind**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

LOUISIANA, Southeast

A tree fell on an automobile killing the driver. City Police reported numerous trees and power lines downed, a store roof and a business sign were damaged. F40VE

Tangipahoa Parish

Independence **31** **1500CST** **0** **0** **15K** **Thunderstorm Wind**

Thunderstorm winds downed utility poles, power lines and trees. A barn roof was torn off. A tree fell and collapsed a porch and damaged the chimney. Unspecified size hail and wind combined to damage house roofs, vehicles and crops.

St. Tammany Parish

Slidell **31** **1530CST** **1545CST** **0** **0** **Hail (1.00)**

National Weather Service personnel reported several occurrences of marble to quarter size hail across the central section of the city.

St. Tammany Parish

Slidell **31** **1530CST** **0** **0** **Thunderstorm Wind (G50)**

A National Weather Service employee reported estimated wind gusts between 50 and 60 mph.

LOUISIANA, Southwest

Beauregard Parish

De Ridder **09** **1330CST** **0** **0** **10K** **Lightning**

A lightning strike damaged the Beauregard Parish E-911 computers. An electrical surge went through ungrounded lines, causing a small fire.

Calcasieu Parish

Vinton **21** **1615CST** **0** **0** **10K** **Thunderstorm Wind**

Severe thunderstorms blew down several trees near the KOA campground in Vinton. One barn lost a roof.

Cameron Parish

Cameron **21** **1645CST** **0** **1** **20K** **Thunderstorm Wind**

A severe thunderstorm blew a trailer over at the Mobil dock. One man was slightly injured - cuts and scrapes.

Vernon Parish

10 S Leesville **22** **1405CST** **0** **0** **10K** **Thunderstorm Wind**

Several trees were blown down south of Leesville.

Beauregard Parish

De Ridder **22** **1440CST** **0** **0** **15K** **Thunderstorm Wind**

Severe thunderstorm winds blew down several trees around DeRidder and Bundick Lake.

Allen Parish

1.5 NE Oberlin **22** **1525CST** **0** **0** **5K** **Thunderstorm Wind**

Severe thunderstorm winds blew down trees on Highway 165.

Calcasieu Parish

Sulphur **22** **1530CST** **0** **0** **5K** **Heavy Rain**

Between two and three inches of rain fell in less than one hour across Sulphur, resulting in minor street flooding.

Calcasieu Parish

Toomey **22** **1615CST** **0** **0** **15K** **Thunderstorm Wind**

Severe thunderstorm winds blew down several trees and power lines in Toomey. Power lines were also downed in north Lake Charles.

Cameron Parish

Grand Chenier **22** **1622CST** **0** **0** **10K** **Thunderstorm Wind**

Trees were blown down in Grand Chenier during a severe thunderstorm.

Jefferson Davis Parish

Jennings **22** **1630CST** **0** **0** **30K** **Thunderstorm Wind**

Severe thunderstorm winds blew down many trees in Jennings, damaging a few cars and homes.

St. Martin Parish

30 SE St Martinville **31** **1725CST** **0** **0** **Hail (0.75)**

Lafayette Parish

Lafayette **31** **1900CST** **0** **0** **10K** **Tstm Wind/Hail**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

LOUISIANA, Southwest

Tress were blown down during a severe thunderstorm. Quarter-sized hail was reported at 7:25 pm.

MAINE

York County

Parson Field to Limerick | **03** | **1315EST 1335EST** | | | **0** | **0** | | | **Thunderstorm Wind (G50)**

York County

Hollis Center | **03** | **1358EST 1405EST** | | | **0** | **0** | | | **Hail (1.75)**

A severe thunderstorm dropped golfball-size hail in the town of Hollis. The storm had earlier toppled trees which knocked out power to about 900 customers in Limerick, Cornish, and Parsonsfield.

Cumberland County

Gorham | **03** | **1415EST** | | | **0** | **4** | | | **Lightning**

Three men and a woman were injured when they were struck by lightning while standing under a rain shelter on a golf course during a thunderstorm. Each of the four golfers had entrance and exit wounds and were taken to area hospitals for treatment and evaluation.

York County

Shapleigh | **09** | **1335EST** | | | **0** | **0** | | | **Hail (0.75)**

A severe thunderstorm dropped 3/4 inch hail in the area around Shapleigh in York County.

Penobscot County

1 W Charleston | **27** | **1345EST** | **0.1** | **20** | **0** | **0** | | | **Tornado (F0)**

A weak tornado touched down briefly about a mile west of the town of Charleston in Penobscot County.

MARYLAND, Central

MDZ002>007-009>011-013>014-016>018 — Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert

16 | **1100EST** | | | **1** | **50** | | | **Excessive Heat**
17 | **1500EST**

West winds circulating around a "Bermuda" high pressure system allowed temperatures to soar during the weekend of the 16th and 17th. Maximum temperatures were near or just above the century mark across most of northern and central Maryland east of the Allegheny Highlands both days. Heat index values ranged from 105 to 110 each day, but aside from several heat exhaustion cases, it appeared that at-risk residents remained in air conditioned locations. No heat-related deaths were reported by the state Office of the Chief Medical Examiner. However, one person perished from heat-induced cardiac arrest while attending a baseball game in downtown Baltimore during the middle of the afternoon on the 17th.

A record maximum was achieved at Baltimore/Washington International Airport (BWI) on the 16th (101 degrees), and the maximum temperature of 100 degrees on the 17th equalled an existing record. The heat wave was shattered by a strong cold front which was accompanied by strong to severe thunderstorms during the late afternoon and evening of the 17th.
M77OU

Montgomery County

Brookeville | **17** | **1515EST** | | | **0** | **0** | **265K** | | **Lightning**

Anne Arundel County

2 E St Margarets | **17** | **1605EST** | | | **0** | **2** | **25K** | | **Lightning**

Montgomery County

Olney | **17** | **1625EST 1637EST** | | | **0** | **0** | | | **Hail (0.88)**

Montgomery County

Olney to Ashton | **17** | **1625EST 1635EST** | | | **0** | **0** | **10K** | | **Thunderstorm Wind**

Washington County

Sharpsburg to Hagerstown | **17** | **1725EST** | | | **0** | **0** | **5K** | | **Thunderstorm Wind**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MARYLAND, Central									
Montgomery County									
Whites Ferry	**17**	**1745EST**			**0**	**0**	**4K**		**Thunderstorm Wind**
Frederick County									
Frederick	**17**	**1755EST**			**0**	**0**	**12K**		**Thunderstorm Wind**
Carroll County									
Winfield to Eldersburg	**17**	**1820EST 1825EST**			**0**	**0**	**25K**		**Thunderstorm Wind (G60)**
Howard County									
Columbia to Ellicott City	**17**	**1840EST 1850EST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Baltimore County									
Countywide	**17**	**1850EST 1900EST**			**0**	**0**	**20K**		**Thunderstorm Wind**
Anne Arundel County									
Linthicum Hgts to Glen Burnie	**17**	**1900EST**			**0**	**1**	**40K**		**Thunderstorm Wind**
Harford County									
Jarrettsville	**17**	**1925EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Anne Arundel County									
Deale	**17**	**2030EST**			**0**	**0**	**100K**		**Thunderstorm Wind (G75)**

Clusters of strong to severe thunderstorms developed ahead of a strong cold front, one that put an end to a two-day period of oppressive heat and humidity. The most notable damage occurred along the western shore of the Chesapeake Bay during the middle of the evening, when a microburst containing estimated winds of up to 90 mph destroyed two barns, and lifted a gas station pump canopy off its moorings, in Deale.

The first event occurred in extreme northern Montgomery Co at around 4:15 PM, when a chapel at a religious summer camp was struck by lightning and burned to the ground. Thankfully, campers were gone for the summer - normally the chapel would be filled at that hour. About one hour later, lightning struck a 26-foot sailboat on the Chesapeake Bay just east of St Margarets, causing minor injuries to two men aboard. The same storm produced gusty winds which caused at least two other vessels to become distressed. One of the boats, an 18-footer, reportedly sank near Greenbury Point.

Another cell moved into northern Montgomery Co at around 5:30 PM, dropping 3/4 to 7/8 inch diameter hail and knocking down small trees and large limbs in the Olney/Ashton area.

During the early evening hours, thunderstorms became a bit more organized across northern Maryland. The line drifted south and east through the evening, producing frequent lightning, brief downpours, and several instances of damage. In eastern Washington Co, at least four trees fell onto local roads between Sharpsburg and Hagerstown. Soon after, numerous large limbs, some trees, and power lines were knocked down in the Whites Ferry area of Montgomery Co, as well as in portions of Frederick City.

Additional damage occurred across northern Maryland between 7:15 and 8 PM. In southern Carroll Co, a tree fell onto a house in Winfield. At least a dozen medium-sized tree limbs fell near Eldersburg, where an observer recorded a gust of 69 mph. In Baltimore Co, emergency management officials reported numerous trees, limbs, and power lines down, several blocking area roadways. Two trees were blown down in neighboring Harford Co; other trees and large limbs were blown down in eastern Howard Co from Columbia to Ellicott City.

Damage in Glen Burnie and the Linthicum area included at least 20 affected trees, a damaged shed and fence, and downed wires. a man was slightly injured when a large limb fell onto his automobile in Glen Burnie. Wind gusts at nearby BWI airport were as high as 53 mph. The heavy rain may have contributed to a three-car pile up in Glen Burnie, in which all 15 passengers sustained minor injuries. Excessive speed and hydroplaning were the likely culprits.

In all, over 30,000 Maryland residents were without power as a result of the storms, including 28,800 in the Baltimore Gas and Electric service area.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

MARYLAND, Central

MDZ009>011-013>014-016>018 — **Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert**

20	**0600EST** **1700EST**			**0**	**0**	**3K**		**Heavy Rain**

A soaking rain put a dent into the summer drought. The precipitation was caused by a low pressure area moving up the eastern seaboard. Rainfall across central and eastern Maryland ranged from 1 1/2 to 2 1/2 inches. A daily precipitation record was set a BWI; 2.75 inches of rain fell. Washington/National Airport (DCA) recorded over 2 inches as well.

Two large sink holes opened up near Annapolis, a result of the combination of the heavy rain and recent sewer construction at a nearby neighborhood. High water blocked a couple of sections of Defense Highway outside of Annapolis. Several other roads in Anne Arundel Co reported high water, but were not closed.

The rain and accompanying gusty winds caused scattered power outages, including 6,000 in the Potomac Electric Power Co. service area.

MARYLAND, Northeast

MDZ008-012-015-019>020 — **Cecil - Kent - Queen Annes - Talbot - Caroline**

	16 **17**	**0900EST** **2000EST**		**0**	**0**			**Excessive Heat**

The weekend of August 16th and 17th brought some of the hottest and most humid air of the summer into the Maryland Eastern Shore. High temperatures in most places reached over 100 degrees, while dew point temperatures (an indication of how humid the air mass is) were well into the 70s. No serious health related problems were reported. The hot weather continued to stress growing conditions across the Eastern Shore. Highest temperatures this weekend included 105 degrees at Washington National Airport, 101 degrees at the Baltimore-Washington International Airport and 100 degrees in Bridgeville DE. A strong cold front that passed through the region the morning of the 18th caused an abrupt end to the hot weather.

Queen Anne'S County

Romancoke	**17**	**1627EST**		**0**	**0**			**Thunderstorm Wind (G61)**

A severe thunderstorm caused wind damage on Kent Island. Several planes were flipped and damaged at the Kentmorr Airpark. The wind gusted to 70 mph before the anemometer was blown down on the island. A large permanent produce stand near the Bay Bridge was destroyed. Trees were knocked down along Maryland State Route 8 which included the famous "Pac-Man" tree. Trees were also reported uprooted in the Kent Island Estates, Queen Anne's Colony and Shipping Creek Developments. About 1,000 homes in Queen Anne's and neighboring Kent County lost power. Power was not restored to the southern end of Kent Island (Queen Anne's County) until 2 p.m. EDT on the 18th.

Talbot County

Longwoods	**17**	**1645EST**		**0**	**0**			**Thunderstorm Wind (G50)**

Talbot County

Claiborne	**17**	**1700EST**		**0**	**0**		**0**	**Thunderstorm Wind**

A severe thunderstorm caused scattered wind damage (downed trees and wires) throughout Talbot County with most of the reported damage in the northern half of the county. The same thunderstorm also helped capsize and sink the 25 foot pleasure craft Boston Whaler near Claiborne. The sole person on board swam ashore. The strong wind also caused two empty construction barges anchored near the Peach Blossom Creek Bridge to break loose. The barges drifted downstream and struck a piling.

Kent County

Chesterville	**17**	**1730EST**		**0**	**0**		**0**	**Lightning**

Frequent cloud to ground lightning ignited eight fires within Kent County. No major damage or injuries were reported.

Queen Anne'S County

Grasonville	**17**	**1948EST**		**0**	**0**	**5K**		**Thunderstorm Wind**

The second severe thunderstorm of the day tore down numerous large tree limbs in Grasonville. One home had several large limbs on top of its roof.

Talbot County

Countywide	**20**	**1500EST** **1900EST**		**0**	**0**			**Heavy Rain**

Caroline County

Countywide	**20**	**1530EST** **1930EST**		**0**	**0**			**Heavy Rain**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

MARYLAND, Northeast

Heavy rain fell across southern areas of the Maryland Eastern Shore as thunderstorms continued to reform and move over the same locations. The rain became heavier as a developing low pressure system intensified over Delaware and Southern New Jersey. Nevertheless storm totals averaged between 3 and 5 inches in Talbot County and 5 to 8 inches across Caroline County. Specific storm totals included 7.7 inches In Denton and 5.0 inches in Federalsburg. In spite of the torrential downpours, the drought conditions that have occurred all summer helped the ground absorb much of the rain. There were no reports of any serious flooding.

MDZ008-012-015-019>020 **Cecil - Kent - Queen Annes - Talbot - Caroline**

31 2359EST 0 0 Drought

The unseasonably hot and dry summer of 1997 caused the United States Secretary of Agriculture, Dan Glickman, to declare the state of Maryland a primary disaster area and make farmers eligible for low interest loans. Statewide the corn harvest was expected to be 40 percent below 1996 levels. The hay (36 percent below), soybean (13 percent below) and apple (10 percent below) crops were also expected to be below 1996 levels. Along the Maryland Eastern Shore the corn crop was expected to be about 60 percent below normal and the soybean crop about 40 percent below normal in Kent, Queen Anne's and Talbot Counties. Only Caroline County was expected to come within about 70 percent of normal. The continued drought conditions forced Centreville to ask for voluntary water conservation. On a county weighted average total precipitation for the summer (June through August) were between 0.5 and 3.5 inches below average with the greatest deficiencies in Cecil and Kent Counties. But these totals were skewed by the heavy rain that fell across southern areas of the eastern shore on August 20th. July 1997 was among the dozen driest Julys on record in Maryland during this past century.

MARYLAND, South

NONE REPORTED.

MARYLAND, West

Garrett County

Oakland 17 1515EST 0 0 2K Thunderstorm Wind

Thunderstorm winds downed some trees.

MASSACHUSETTS, Central and East

Middlesex County

Burlington 03 1615EST 0 0 Hail (0.75)

Middlesex County

Waltham to Somerville 03 1644EST 1702EST 0 0 Heavy Rain

Essex County

Newburyport 03 1700EST 0 0 Thunderstorm Wind (G50)

Strong thunderstorms moved through parts of Middlesex and Essex Counties. Dime size hail was reported in Burlington. Urban street flooding occurred in Waltham and Somerville. Two people had to be rescued from their car by boat after water filled a tunnel in Somerville. Half-inch hail fell in Everett, also in southeast Middlesex County. Trees were downed in Newburyport in Essex County. Lightning struck several structures in Chelsea and Revere in Suffolk County, but damage was minimal.

Bristol County

Westport 06 1315EST 0.1 25 0 0 Tornado (F0)

Photos and eyewitness reports confirmed that a very weak tornado touched down in the Drift Road section of Westport. A few tree tops were broken off.

Dukes County

Tisbury 06 1415EST 0 0 Hail (0.75)

Dime size hail was reported on Martha's Vineyard in the town of Tisbury.

Worcester County

Oakham 09 1255EST 0 4 Lightning

Norfolk County

Wrentham 09 1410EST 0 0 Hail (0.75)

Middlesex County

Concord 09 1436EST 0 0 Hail (0.75)

One or more lightning bolts struck four people at the Pine Acres Family Camping Resort in Oakham. None was seriously injured, but a couple did receive second degree burns when lightning struck while they were in contact with telephones or electrical equipment. One person who was struck was standing under an awning. All were treated and released. Later that afternoon, thunderstorms dropped dime size hail in Wrentham in Norfolk County and in Concord in Middlesex County.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

MASSACHUSETTS, Central and East

Franklin County

Northfield	**16**	**1900EST** **1915EST**			**0**	**0**	**10K**		**Thunderstorm Wind (G75)**

Worcester County

Athol	**16**	**1935EST**			**0**	**0**			**Thunderstorm Wind (G50)**

A severe thunderstorm caused wind damage in Franklin County in Northfield. A National Weather Service survey indicated that a microburst occurred in Northfield with an estimated thunderstorm wind gust of 80 to 90 mph. All trees fell in a single direction toward the northeast. The path of the damage was about one half-mile in length and occurred on Pine Meadow Road off of Route 63. A tree fell onto a house and narrowly missed a baby sleeping in a crib. Poles and wires were downed and Route 2 was closed. A cornfield was damaged and a farm stand toppled. In Worcester County, trees were reported blown down in Athol.

Plymouth County

Plymouth	**20**	**1227EST**	**0.1**	**5**	**0**	**0**			**Tornado (F0)**

Barnstable County

Bourne	**20**	**1230EST**			**0**	**0**			**Funnel Cloud**

Barnstable County

4 NE Bourne	**20**	**1230EST**			**0**	**0**			**Waterspout**
Cape Cod Bay									

Plymouth County

Plymouth	**20**	**1245EST** **1400EST**			**0**	**0**			**Funnel Cloud**

Southeast portions of Town of Plymouth.

Plymouth County

1 E Plymouth	**20**	**1315EST**			**0**	**0**			**Waterspout**
1 mile east of Gurnet Light									

Bristol County

Fall River	**20**	**1415EST**			**0**	**0**			**Funnel Cloud**

Barnstable County

4 W Bourne	**20**	**1420EST**			**0**	**0**			**Waterspout**
Buzzards Bay									

Plymouth County

Hanson	**20**	**1430EST**			**0**	**0**			**Funnel Cloud**

Plymouth County

Hingham	**20**	**1430EST**			**0**	**0**			**Funnel Cloud**

Showers developed during the afternoon in southeastern Massachusetts and these went on to produce three waterspouts, at least one confirmed weak tornado (F0) and numerous funnel clouds.. The weak tornado occurred in the Pine Hills section of the town of Plymouth, near Cliff Rock, where a police officer saw tree-top debris being carried upward into the funnel. The touchdown time was 1:27 PM and was reported to have lasted between 15 and 55 seconds. The first waterspout occurred just east of the Sagamore Bridge, over Cape Cod Bay, at 1:30 PM. At 2:15 PM, a second waterspout was sighted one mile east of Gurnet Light to the east of Plymouth. A third waterspout was reported just west of Bourne, over Buzzards Bay, at 3:20 PM. Throughout the afternoon, there were numerous reports of funnel clouds, some of which appeared in newspaper photos and documented via amateur radio operators' videos. Many of the funnels came as far a half-way down before retreating up into the cloud. While it is possible that there were other very brief touchdowns of very thin funnels, none were able to be confirmed. The waterspouts made for dramatic video footage which aired on area television newscasts and on The Weather Channel. Cloud tops associated with the convection that produced these phenomena were in the low range...from 10,000 to 20,000 feet, except for a few isolated clouds which grew slightly higher. There were no reports of damage or injury as a result of these events.

Dukes County

Countywide	**21**	**0300EST** **1500EST**			**0**	**0**			**Heavy Rain**

MAZ007-013>024 Eastern Essex - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket

	21	**0700EST** **1600EST**			**0**	**0**	**0.99K**		**Strong Winds**

A "southeaster" brought strong east to southeast winds to coastal eastern Massachusetts with wind gusts to 40 to 55 mph. Tree limbs and a few trees were reported blown down, especially over Cape Cod and the Islands and across south coastal towns in Plymouth and Bristol County. In New Bedford, a tree fell on a house and car. In Dartmouth, a staging was toppled at the

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MASSACHUSETTS, Central and East									
									University of Massachusetts. At least five boats washed ashore and countless others lost rudders at Mattapoisett Harbor. The town wharf was under about six inches of water at high tide. The harbormaster rated this storm as one of the top five bad storms during recent years. Minor coastal flooding was reported at many points along south facing coastlines of southeastern Massachusetts, with tides one to two feet above normal. The strong winds in the Boston area reached sustained speeds of 30 mph at Deer Island in Boston Harbor. A peak gust to 51 mph was recorded from the east-southeast at the Blue Hill Observatory in Milton at 11:08 AM. Heavy rain accompanied the winds. Very heavy rain fell on Martha's Vineyard where the storm total was 3.8 inches. This was the same storm system that hit Atlantic City, NJ with a deluge of around 14 inches of rainfall.
Norfolk County									
Weymouth	**22**	**1430EST**			**0**	**0**			**Heavy Rain**
Plymouth County									
Hingham	**22**	**1430EST**			**0**	**0**			**Heavy Rain**
Norfolk County									
Weymouth	**22**	**1434EST**			**0**	**0**			**Hail (0.75)**
Plymouth County									
Hanson to Pembroke	**22**	**1520EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Suffolk County									
West Roxbury	**22**	**1715EST**			**0**	**0**			**Hail (0.75)**
									A thunderstorm produced a downpour of rain in Hingham which totaled 1.25 inches in about 40 minutes. Streets were flooded by sudden heavy rain in the neighboring town of Weymouth. A SKYWARN observer reported penny size hail in Weymouth. Later in the afternoon, large branches were reported down and twenty small trees were bent over in a wooded area of Pembroke. Various size limbs were downed in Hanson. Another thunderstorm dropped penny size hail in West Roxbury.
MASSACHUSETTS, West									
Berkshire County									
Sheffield	**03**	**1429EST**			**0**	**0**	**4K**		**Thunderstorm Wind**
Berkshire County									
Southfield	**03**	**1430EST**			**0**	**0**	**6K**	**10K**	**Thunderstorm Wind**
									On August 3, a cold front initiated several severe thunderstorms across Berkshire County. At Sheffield, thunderstorm winds downed several trees across State Highway 41. At Southfield, winds downed trees onto a shed and tractor. The shed was flattened and the tractor was damaged. The damaging winds also leveled a corn field.
Berkshire County									
North Egremont	**22**	**1622EST**			**0**	**0**	**2K**		**Hail (1.00)**
Berkshire County									
Great Barrington	**22**	**1630EST**			**0**	**0**			**Hail (0.75)**
Berkshire County									
Cheshire	**22**	**1945EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
									On August 22, a deep upper level low was located over the lower Great Lakes region. Afternoon thunderstorms produced hail at North Egremont and Great Barrington. Thunderstorm winds also downed trees at Cheshire.
MICHIGAN, East									
Lenawee County									
Adrian	**03**	**2035EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Lenawee County									
Blissfield	**03**	**2050EST**			**0**	**0**			**Hail (1.00)**
									Severe thunderstorms developed over Lenawee county late in the day on the 3rd, along a stationary front. Trees and powerlines were blown down in Adrian, and 1 inch diameter hail was reported in Blissfield.
Oakland County									
Holly	**15**	**1640EST**			**0**	**0**			**Hail (1.00)**
Lenawee County									
Cement City	**16**	**0656EST**			**0**	**0**	**50K**		**Thunderstorm Wind (G75)**
Monroe County									
2 S Temperance	**16**	**0715EST**			**0**	**2**	**5K**		**Thunderstorm Wind (G75)**
									Severe thunderstorms developed along the north edge of a very warm unstable airmass during the early morning on the 16th. One storm did 50,000 dollars worth of damage to a campground near route 12 outside of Cement City. Campgrounds in the area were full that morning, since a race was scheduled for later in the day at the Michigan International Speedway, just across the

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

MICHIGAN, East

county-line in Brooklyn. Another storm uprooted several tree south of Temperance. One of the trees fell on a tent, injuring a 36 year-old woman and her 4 year-old daughter. The 4 year-old suffered a fractured skull, and was rushed to a hospital, where she was listed in critical condition.

Monroe County

Temperance **16** **1400EST** **0** **0** **Thunderstorm Wind (G50)**

Lenawee County

5 W Adrian **16** **1519EST** **0** **0** **Thunderstorm Wind (G50)**

Monroe County

2 S Temperance **16** **1545EST** **0** **0** **Thunderstorm Wind (G60)**

A cold front spawned severe thunderstorms late in the afternoon over the same area that reported severe storms earlier that morning. Trees were downed near Temperance for the second time that day. A severe thunderstorm also downed large limbs 5 miles west of Adrian.

MIZ049 **Huron**

20 **0000EST** **0** **0** **50K** **Flood**
22 **2300EST**

The combination of high water levels and a persistent north wind to 30 knots produced significant lakeshore flooding and wave damage along the Lake Huron shoreline between Caseville and Port Austin. The waves destroyed several docks and at least 5 boats.

Monroe County

Temperance **21** **1915EST** **0** **0** **Hail (0.75)**

Scattered showers developed in association with an unseasonably strong surface low pressure area over southern Ontario, and an unseasonably strong cold pool aloft. One of the showers produced 3/4 inch hail at Temperance.

St. Clair County

6 W Port Huron **27** **1650EST** **0** **0** **Hail (1.25)**

St. Clair County

Port Huron **27** **1655EST** **0** **0** **10K** **Thunderstorm Wind (G50)**

Severe thunderstorms developed over Saint Clair county along a cold front during the afternoon on the 27th. A large tree crashed through the roof of a house in Port Huron, causing damage but no injuries.

Monroe County

2 E Luna Pier **30** **0800EST** **0** **0** **Waterspout**
0830EST

Several waterspouts were reported over Lake Erie east of Monroe county. The waterspouts remained over the water, and no damage was reported.

MICHIGAN, Extreme Southwest

NONE REPORTED.

MICHIGAN, North

NONE REPORTED.

MICHIGAN, Upper

Iron County

Fortune Lake **15** **2245EST** **0** **0** **Thunderstorm Wind (G55)**
2255EST

Strong thunderstorm winds downed a 20 inch diameter tree and blew tarpaper off a roof.

Marquette County

Northland **16** **0002EST** **0.3** **150** **0** **0** **Tornado (F0)**
0010EST

A tornado occurred at Northland (40 SW of Marquette). Several 12 to 18 inch diameter trees were uprooted and 4 chairs and a metal frame glass picnic table were blown off a deck of a house. Only one chair was damaged ($10 value). No other objects or buildings were damaged.

MICHIGAN, West

Ingham County

Okemos **06** **1615EST** **0** **0** **Hail (0.75)**

Okemos Police Department reported 3/4 inch diameter hail in Okemos.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

MICHIGAN, West

Branch County

East Long Lake **16** **0600EST** **0** **0** **25K** **Thunderstorm Wind**

Thunderstorm winds stripped the tops off 3-4 mature maple trees and 5 cottages along East Long Lake received minor damage.

Hillsdale County

Hillsdale **16** **0621EST** **0** **0** **2.5K** **Thunderstorm Wind**

Minor tree damage reported, with limbs strewn along portions of U.S. Highway 12.

Hillsdale County

Moscow **16** **0625EST** **0** **0** **5K** **Thunderstorm Wind**

Scattered reports of trees and power lines downed across Moscow Township.

Jackson County

Hanover **16** **0645EST** **0** **0** **5K** **Thunderstorm Wind**

Trees reported downed in Hanover.

Cass County

Jones **16** **1315EST** **0** **0** **2.5K** **Thunderstorm Wind**

Cass Central Dispatch reported trees downed near Jones.

Cass County

Marcellus **16** **1315EST** **0** **0** **5K** **Thunderstorm Wind**

Trees downed in Marcellus.

St. Joseph County

Three Rivers **16** **1330EST** **0** **0** **5K** **Thunderstorm Wind**

Trees downed across the Three Rivers area.

Calhoun County

County-Wide **16** **1345EST** **0** **0** **5K** **Thunderstorm Wind**

Scattered reports of trees downed across southern Calhoun County.

Branch County

Kinderhook **16** **1410EST** **0** **0** **2.5K** **Thunderstorm Wind**

A National Weather Service spotter reported several 4 to 5 inch diameter limbs downed 5 miles north of Kinderhook.

St. Joseph County

County-Wide **16** **1415EST** **0** **0** **5K** **Thunderstorm Wind**

Scattered reports of trees downed across St. Joseph County.

Hillsdale County

Litchfield **16** **1445EST** **0** **0** **5K** **Thunderstorm Wind**

Hillsdale County Central Dispatch reported trees downed in Litchfield.

Jackson County

Jackson **16** **1445EST** **0** **0** **Thunderstorm Wind (G52)**

Jackson County Central Dispatch relayed report of 60 mph wind gust in the city of Jackson.

Hillsdale County

Osseo **16** **1505EST** **0** **0** **5K** **Thunderstorm Wind**

Hillsdale County Central Dispatch reported power lines downed in Osseo and Jefferson Township.

St. Joseph County

Three Rivers **16** **1520EST** **0** **0** **2.5K** **Thunderstorm Wind**

Scattered reports of trees downed across Three Rivers area.

Cass County

Edwardsburg **16** **1555EST** **0** **0** **Hail (1.50)**

A trained National Weather Service spotter reported golfball-sized hail in Edwardsburg.

Van Buren County

Paw Paw **16** **1810EST** **0** **0** **2.5K** **Thunderstorm Wind**

Scattered reports of power lines downed in and around Paw Paw.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

MICHIGAN, West

Kalamazoo County

Schoolcraft **16** **1835EST** **0** **0** **2.5K** **Thunderstorm Wind**

Kalamazoo County Central Dispatch reported trees downed in Schoolcraft.

Berrien County

Michiana **16** **1910EST** **0** **0** **Waterspout**

Local law enforcement officials sighted a waterspout approximately 5 miles west of Michiana, just offshore, over Lake Michigan. The waterspout dissipated before moving ashore.

St. Joseph County

Three Rivers **16** **1910EST** **0** **0** **10K** **Thunderstorm Wind**

The Three Rivers Police Department and weather spotters reported several large tree limbs downed in the city. American Electric Power reported 12 transformer losses and a broken utility pole, which resulted in approximately 1,500 power outages.

Berrien County

Grand Beach **16** **1930EST** **0** **0** **5K** **Thunderstorm Wind**

Berrien County Central Dispatch reported several large tree limbs downed and pea-sized hail in Grand Beach. One tree fell in the Three Oaks area and 3,000 American Electric Power customers lost power due to lightning strikes and downed limbs.

Cass County

Jones **16** **2045EST** **0** **0** **20K** **Thunderstorm Wind**

The Cass County Road Commission reported numerous trees downed in the Birch Lake area of Porter Township, resulting in about 3,000 power outages there. Trees were reported downed south of Michigan Highway 60 along Michigan Highway 40 in Porter Township.

St. Joseph County

Centreville **16** **2110EST** **0** **0** **2.5K** **Thunderstorm Wind**

St. Joseph County Central Dispatch reported a few trees downed in Centreville.

St. Joseph County

White Pigeon **16** **2110EST** **0** **0** **5K** **Thunderstorm Wind**

St. Joseph County Central Dispatch reported trees downed and minor street flooding in the White Pigeon area.

St. Joseph County

Sturgis **16** **2115EST** **0** **0** **5K** **Thunderstorm Wind**

St. Joseph County Central Dispatch reported trees downed and minor street flooding in Sturgis.

On Saturday, August 16, 1997, a cold front moved slowly south across Michigan's Lower Peninsula. One low pressure wave moved along the front early that morning, resulting in severe thunderstorm development over south central Lower Michigan. Later that afternoon, with very humid and unstable air in place across far southern Lower Michigan, another frontal wave caused severe thunderstorm development along the southern 2 tier of counties across southern Michigan. The thunderstorms produced heavy rainfall amounts of 2 to 5 inches in the counties bordering northern Indiana and northern Ohio, along with isolated reports of wind damage from 60 mph thunderstorm wind gusts. One thunderstorm produced golfball-sized hail in Edwardsburg in Cass County on Saturday afternoon. Local utility companies reported approximately 55,000 power outages during the afternoon and evening across far southern Michigan, most a result of lightning strikes, but some due to downed trees and utility poles.

MINNESOTA, Central and South Central

Douglas County

Melby **02** **1710CST** **0** **0** **Hail (0.75)**

Mille Lacs County

Milaca **02** **1750CST** **0** **0** **Hail (1.75)**

Isanti County

Cambridge **02** **1810CST** **0** **0** **Thunderstorm Wind (G50)**

Tree blown down. Estimated windspeed.

Pope County

Starbuck **02** **1815CST** **0** **0** **Thunderstorm Wind (G55)**

Power lines down. Estimated windspeed.

Pope County

Glenwood **02** **1835CST** **0** **0** **Thunderstorm Wind (G55)**

Power poles down. Estimated windspeed.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MINNESOTA, Central and South Central									
Mille Lacs County									
Vineland	**02**	**1930CST**			**0**	**0**			**Hail (0.75)**
	Strong winds accompanied hail.								
Sherburne County									
Clear Lake	**02**	**1935CST**			**0**	**0**			**Thunderstorm Wind (G55)**
	Large trees blown down. Estimated windspeed.								
Benton County									
Sauk Rapids	**02**	**1940CST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Large tree limbs down. Estimated windspeed.								
Sherburne County									
1 SW Clear Lake	**02**	**1947CST**			**0**	**0**			**Thunderstorm Wind (G60)**
	Large trees blown down onto highway 24. Estimated windspeed.								
Stearns County									
St Cloud	**02**	**1950CST**			**0**	**0**			**Thunderstorm Wind (G55)**
	Large trees blown down. Estimated windspeed.								
Kandiyohi County									
New London	**02**	**2005CST**			**0**	**0**			**Thunderstorm Wind (G61)**
Hennepin County									
Dayton	**02**	**2038CST**			**0**	**0**			**Thunderstorm Wind (G52)**
	Wind rocked vehicles.								
Hennepin County									
Maple Grove	**02**	**2038CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Wright County									
3 S Waverly	**02**	**2050CST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Trees down. Estimated windspeed.								
Todd County									
Staples	**03**	**2035CST**			**0**	**0**			**Hail (0.75)**
Kanabec County									
6 W Woodland	**03**	**2053CST**			**0**	**0**			**Hail (0.75)**
Todd County									
Grey Eagle	**03**	**2248CST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Trees and power lines down. Estimated windspeed.								
Sherburne County									
Elk River	**03**	**2325CST**			**0**	**0**			**Hail (1.00)**
		2330CST							
	Crops damaged.								
Wright County									
Albertville	**03**	**2328CST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Trees blown down. Estimated windspeed.								
Wright County									
St Michael	**03**	**2330CST**			**0**	**0**			**Hail (1.00)**
	Three quarter inch hail also reported at Otsego.								
Wright County									
Monticello	**03**	**2331CST**			**0**	**0**			**Thunderstorm Wind (G55)**
	Power line poles broken in half. Estimated windspeed.								
Hennepin County									
5 W Rogers	**03**	**2338CST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Trees blown down. Estimated windspeed.								
Le Sueur County									
.5 E Le Center to 5.5 E Le Center	**14**	**1750CST** **1755CST**	**6**	**100**	**0**	**0**			**Tornado (F0)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

MINNESOTA, Central and South Central

Rice County

10 N Faribault	**14**	**1800CST**			**0**	**0**			**Hail (1.75)**

Rice County

1 E Little Chicago	**14**	**1811CST**			**0**	**0**			**Hail (1.75)**

Goodhue County

1.5 SW Wanamingo to 2 E Hader	**14**	**1830CST** **1840CST**	**5.5**	**100**	**0**	**0**			**Tornado (F1)**

Several barns destroyed. Roof ripped off home on farmstead. Wall knocked down and roof ripped off storage facility at Soil Center. Damage estimated at $100,000.

Goodhue County

2 NE Goodhue	**14**	**1840CST**	**0.2**	**50**	**0**	**0**			**Tornado (F0)**

MNZ077 **Rice**

	14	**1900CST**			**0**	**0**			**Flood**
	15	**1500CST**							

Heavy rains the previous night caused the Straight River to rise over its banks in the city of Fairbault...south to the county line. Teepee Tonka Park and adjoining roadways flooded.

Steele County

Medford	**14**	**1900CST**			**0**	**0**			**Flash Flood**
	15	**0000CST**							

Slow moving thunderstorms deposited 4 to 6 inch rain amounts in area. Several roads washed out.

Meeker County

Greenleaf	**15**	**1545CST**			**0**	**0**			**Thunderstorm Wind (G55)**

Power lines blown down. Estimated windspeed.

Meeker County

Dassel	**15**	**1555CST**			**0**	**0**			**Hail (0.88)**

Meeker County

Dassel	**15**	**1555CST**			**0**	**0**			**Thunderstorm Wind (G56)**

Wright County

2 W Cokato	**15**	**1555CST**			**0**	**0**			**Hail (0.88)**

Wright County

1 E Cokato	**15**	**1606CST**			**0**	**0**			**Hail (0.75)**

Sibley County

5 E Green Isle	**15**	**1636CST**			**0**	**0**			**Funnel Cloud**

Mille Lacs County

Princeton	**15**	**1640CST**			**0**	**0**			**Hail (0.75)**

Thunderstorm winds of 50 to 60 mph also reported.

Scott County

3 S Lydia	**15**	**1710CST**			**0**	**0**			**Hail (1.75)**

Scott County

Jordan	**15**	**1712CST**			**0**	**0**			**Hail (1.75)**

Mcleod County

Glencoe	**15**	**1715CST**			**0**	**0**			**Thunderstorm Wind (G50)**

Trees blown down onto car. Estimated windspeed.

Scott County

Jordan	**15**	**1715CST**			**0**	**0**			**Thunderstorm Wind (G55)**

Mobile home damaged.

Scott County

5 S Prior Lake	**15**	**1730CST**			**0**	**0**			**Thunderstorm Wind (G55)**

Trees blown down. Estimated windspeed.

Scott County

Spring Lake	**15**	**1735CST**			**0**	**0**			**Hail (1.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MINNESOTA, Central and South Central									
Scott County									
Spring Lake	**15**	**1735CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Dakota County									
3 S Miesville	**15**	**1750CST**			**0**	**0**			**Hail (0.75)**
Todd County									
5 NW Clotho	**23**	**0830CST**			**0**	**0**			**Hail (0.75)**
Douglas County									
3 N Osakis	**23**	**0850CST** **0900CST**			**0**	**0**			**Hail (1.00)**
Hail piled up in small drifts. Gardens and crops damaged by wind driven hail.									
Todd County									
7 W Gutches Grove	**23**	**0855CST**			**0**	**0**			**Thunderstorm Wind (G50)**
Large branches down on east side of Lake Osakis. Estimated windspeed.									
Sibley County									
3 NE New Auburn	**30**	**0040CST**	**0.1**	**50**	**0**	**0**			**Tornado (F0)**
Brief touchdown on north end of Shilling Lake. Roof damage and large trees down on farmstead. Windows broken.									
MINNESOTA, Northeast									
Crow Wing County									
Pine Center	**02**	**1936CST**			**0**	**0**			**Hail (1.25)**
St. Louis County									
Greaney	**03**	**1600CST**			**0**	**0**	**100K**		**Lightning**
Lightning started a fire that completely destroyed a home. No one was in the home at the time. The time and damage amount are estimated.									
Carlton County									
8 W Cloquet	**03**	**1715CST**			**0**	**0**			**Hail (1.75)**
Itasca County									
Deer River	**03**	**1715CST**			**0**	**0**			**Thunderstorm Wind (G55)**
Thunderstorm winds blew down 28 trees, nearly all of them 60 foot spruce, damaging several vehicles and a chicken coop. Siding was torn from the side of a house when power lines were torn loose. Wind speed is estimated.									
Carlton County									
Cromwell	**03**	**1730CST**			**0**	**0**			**Hail (0.75)**
Besides the hail, the roof was partially blown off a home by strong winds.									
Carlton County									
1 S Moose Lake	**03**	**1810CST**			**0**	**0**			**Hail (1.00)**
Carlton County									
1 S Moose Lake	**03**	**1810CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Itasca County									
4.5 SW Grand Rapids	**03**	**1815CST**			**0**	**0**			**Hail (0.75)**
Itasca County									
4.5 SW Grand Rapids	**03**	**1815CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Pine County									
3 E Sturgeon Lake	**03**	**1825CST**			**0**	**0**			**Hail (0.75)**
MINNESOTA, Northwest									
Grant County									
6 N Elbow Lake	**02**	**1630CST**			**0**	**0**			**Hail (0.75)**
Grant County									
7 E Elbow Lake	**02**	**1640CST**			**0**	**0**			**Hail (0.75)**
Grant County									
Barrett	**02**	**1645CST**			**0**	**0**			**Hail (0.75)**
Grant County									
2 E Elbow Lake	**02**	**1650CST**			**0**	**0**			**Hail (0.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MINNESOTA, Northwest									
Grant County									
Hoffman	**02**	**1730CST**			**0**	**0**			**Hail (0.75)**
Grant County									
Hoffman	**02**	**1730CST**			**0**	**0**	**3K**		**Thunderstorm Wind**
Wind blew down large trees and power poles in Hoffman and folded back the roof on a farm building.									
Clay County									
Hawley	**02**	**1955CST**			**0**	**0**			**Hail (0.75)**
Red Lake County									
5 N Oklee	**03**	**1516CST**			**0**	**0**			**Hail (0.75)**
Polk County									
Trail	**03**	**1530CST**			**0**	**0**			**Hail (1.50)**
Polk County									
3 S Gully	**03**	**1551CST**			**0**	**0**			**Hail (0.75)**
Clearwater County									
Pine Lake	**03**	**1615CST**			**0**	**0**			**Hail (1.00)**
Polk County									
8 NW Climax	**03**	**1730CST**			**0**	**0**			**Hail (0.75)**
Hubbard County									
12 N Park Rapids	**03**	**1800CST**			**0**	**0**			**Hail (0.75)**
Wadena County									
6 E Aldrich	**03**	**2030CST**			**0**	**0**			**Hail (0.75)**
Wilkin County									
6 E Kent	**03**	**2215CST**			**0**	**0**			**Hail (1.00)**
Marshall County									
7 W Stephen	**05**	**1500CST**			**0**	**0**			**Hail (0.75)**
A hailstorm left a damage path 4 miles wide by 10 miles long over western Marshall county. 25,000 acres were destroyed by hail.									
Mahnomen County									
10 SE Mahnomen	**23**	**0500CST**			**0**	**0**			**Hail (0.75)**
Mahnomen County									
1 NW Beaulieu	**23**	**0530CST**			**0**	**0**			**Hail (1.50)**
Mahnomen County									
17 SE Mahnomen	**23**	**0600CST**			**0**	**0**			**Hail (1.00)**
MNZ015-017-023	**East Polk - South Beltrami - South Clearwater**								
	31	**2320CST**			**0**	**0**	**6K**		**High Wind**
		2359CST							
A strong wind downed trees across the area.									
MINNESOTA, Southeast									
Winona County									
5 S Winona	**03**	**1613CST**			**0**	**0**		**30K**	**Hail (1.75)**
Winona County									
Winona	**03**	**1615CST**			**0**	**0**	**20K**		**Hail (1.00)**
Fillmore County									
Lenora	**03**	**1640CST**			**0**	**0**	**10K**		**Thunderstorm Wind (G52)**
Houston County									
Freeburg	**03**	**1715CST**			**0**	**0**	**20K**	**100K**	**Hail (1.75)**
Widely scattered severe thunderstorms produced hail the size of golfballs, which damaged a car as well as some crops.									
Wabasha County									
1 N Wabasha	**15**	**1945CST**			**0**	**0**	**12K**		**Thunderstorm Wind (G52)**
Wabasha County									
1 S Conception	**15**	**2011CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Storm spotters and law enforcement officials reported wind gusts to 60 mph.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MINNESOTA, Southeast									
Fillmore County									
5 N Harmony	**23**	**1730CST**			**0**	**0**		**12K**	**Hail (0.88)**
Fillmore County									
3 W Spring Valley	**23**	**1737CST**			**0**	**0**		**15K**	**Hail (0.88)**
Winona County									
Goodview	**23**	**1830CST**			**0**	**0**	**40K**		**Thunderstorm Wind (G55)**
Winona County									
Winona	**23**	**1835CST**			**0**	**0**	**25K**		**Hail (0.75)**
Winona County									
Winona	**23**	**1836CST**			**0**	**0**	**30K**		**Hail (1.00)**
Winona County									
Winona	**23**	**1930CST**			**0**	**0**	**30K**		**Hail (1.75)**
Winona County									
Winona	**23**	**2000CST**			**0**	**0**	**15K**		**Thunderstorm Wind (G55)**
Houston County									
3 NW Caledonia to 2.5 NW Caledonia	**23**	**2006CST 2010CST**	**0.5**	**80**	**0**	**0**	**80K**	**25K**	**Tornado (F0)**
Houston County									
Caledonia	**23**	**2015CST**			**0**	**0**	**15K**		**Thunderstorm Wind (G52)**
Dime to golf ball size hail was reported by storm spotters, while a brief tornado touchdown heavily damaged a farm house. 2 x 4 boards were blown through a bedroom wall and glass debris was strewn throughout the house.									
Winona County									
Winona	**23**	**1945CST 2145CST**			**0**	**0**	**40K**		**Flash Flood**
Mudslides caused vehicles to spin out and water was up to the headlights of cars when nearly 4 inches of rain fell in two hours.									
MINNESOTA, Southwest									
NONE REPORTED.									
MINNESOTA, West									
NONE REPORTED.									
MINNESOTA, West Central									
Traverse County									
6 NE Browns Vly	**05**	**2023CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Strong thunderstorm winds knocked a tree down along with several other branches.									
MISSISSIPPI, Central									
Neshoba County									
6 S Philadelphia	**08**	**1641CST**			**0**	**0**	**20K**		**Thunderstorm Wind**
A chicken house and a tractor shed were destroyed. Four large trees were blown down.									
Rankin County									
Rook Hill	**14**	**1335CST**			**0**	**0**			**Hail (0.88)**
Leake County									
Carthage	**18**	**1603CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Several trees were blown down.									
Lamar County									
Purvis	**20**	**1630CST**			**0**	**0**			**Hail (0.88)**
Warren County									
Redwood	**20**	**1715CST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Several trees were blown down.									
Claiborne County									
4 E Hermanville	**20**	**1758CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
A few trees were blown down..									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

MISSISSIPPI, Central

Smith County

Raleigh **31** **1200CST** **0** **0** **50K** **Thunderstorm Wind**

Part of the roof of a school was blown off. Numerous books inside the school were damaged by water. The dugout of the baseball field was blown over. Many trees were blown down..

Lincoln County

2 N Brookhaven **31** **1335CST** **0** **0** **10K** **Thunderstorm Wind**

The roof of a house was blown off. A large tree was blown down.

MISSISSIPPI, North

Monroe County

Aberdeen **20** **1730CST** **0** **1** **5K** **Thunderstorm Wind**
1735CST

A tree was knocked down and fell into a mobile home. One person in the trailer was injured by the fallen tree.

MISSISSIPPI, South

Harrison County

Gulfport **11** **1110CST** **0** **0** **Waterspout**

The Mississippi Highway Patrol reported a waterspout moving toward shore.

Walthall County

Tylertown **17** **1530CST** **0** **0** **20K** **Thunderstorm Wind**

Thunderstorms winds damaged a house roof , a shed and overturned two canoe trailers. A large tree limb fell and damaged a truck. Several downed trees blocked a road.

MISSISSIPPI, Southeast

NONE REPORTED.

MISSOURI, East

MOZ064 St. Louis (C)

17 **1100CST** **1** **0** **Excessive Heat**
2200CST

A man was found dead in his garage apparently from hyperthermia. Temperatures were in the mid 90s.
M49PH

MISSOURI, Lower

NONE REPORTED.

MISSOURI, Northwest

Jackson County

Kansas City **14** **2210CST** **0** **0** **10K** **Thunderstorm Wind**

The Kansas City Fire Department reported downed trees from thunderstorm winds at 126th and Holmes.

Jackson County

Unity Vlg to Grain Vly **14** **2220CST** **0** **0** **5K** **Thunderstorm Wind**
2225CST

A cooperative observer reported a large tree downed in Unity Village as a result of severe thunderstorm winds. Large tree were also reported downed in Grain Valley.

Johnson County

6 W Fayetteville **14** **2300CST** **0** **0** **5K** **Thunderstorm Wind**

Large trees were reported down along route 13 about 6 miles west of Fayetteville by the Johnson County sheriff's office.

Lafayette County

Higginsville **14** **2300CST** **0** **0** **Thunderstorm Wind (G62)**

A Higginsville spotter measured 62 MPH winds during a severe thunderstorm.

Henry County

2 SW Urich **14** **2310CST** **0** **0** **5K** **Thunderstorm Wind**

Trees and power lines were reported downed by thunderstorm winds 2 miles southwest of Urich.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

MISSOURI, Northwest

Saline County

Blackburn **14 2315CST** **0** **0** **Thunderstorm Wind (G70)**
15 2315CST
Severe thunderstorm winds gusted to 70 MPH in Blackburn. Numerous trees were reported blown down by the damaging winds.

Putnam County

Unionville **15 2120CST** **0** **0** **Hail (1.75)**
Golfball -size hail was reported by Missouri State Troopers in Unionville.

Harrison County

5 SE Blythedale **16 2213CST** **0** **0** **50K** **Thunderstorm Wind**
Thunderstorm winds destroyed a barn and knocked down 2 large trees 5 miles southeast of Blythesdale.

MOZ054 Henry

20 0000CST **0** **0** **Flood**
2359CST
Minor flooding occurred along the South Grand River near Urich, Missouri as a result of heavy rain in the 19th.

South Grand River
Urich, MO

Flood Stage 24 ft
Above Flood Stage 8/20
Crest Estimated 24.5 ft

MISSOURI, Southeast

Mississippi County

East Prairie **04 1500CST** **0** **0** **8K** **Thunderstorm Wind (G52)**
A utility pole snapped in high winds, and four or five others were either knocked down or were leaning toward the road. The microburst was very localized and isolated.

Butler County

Poplar Bluff **14 2100CST** **0** **0** **40K** **Flash Flood**
2230CST
Very slow-moving thunderstorms over the Poplar Bluff area dumped 1.5 to 2.5 inches of rain over the city within 90 minutes. Participants at an outdoor event were stranded when floodwaters cut off access to the event grounds. Water rose to two feet above road level in some areas of the city. A section of Highway 67 north was covered with two feet of water.

Bollinger County

Zalma **14 2150CST** **0** **0** **Urban/Sml Stream Fld**
2250CST
Slow-moving thunderstorms dumped very heavy rain. An observer at Zalma measured 2.93 inches during the storms. This caused some ponding of water on roads.

Stoddard County

1 NE Puxico **19 1255CST** **0** **0** **Hail (1.75)**
Golf ball size hail was reported on County Road 254 just northeast of Puxico.

Scott County

5 N Sikeston **29 1323CST** **0** **0** **Hail (1.00)**
State police reported quarter size hail on Interstate 55.

MISSOURI, Southwest

Howell County

West Plains **12 1415CST** **0** **0** **3K** **Thunderstorm Wind**
Brief thunderstorm wind gust downed trees and damaged a business sign.

Benton County

5 N Warsaw **12 1614CST** **0** **0** **0** **Flash Flood**
Isolated heavy rainfall of 3 inches caused flooding of Highway 65 north of Warsaw.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

MISSOURI, Southwest

Ozark County

5 NE Gainesville **14** **1745CST** **0** **0** **2K** **Thunderstorm Wind**

Thunderstorm winds downed trees and power lines.

Howell County

Moody **14** **1838CST** **0** **0** **0** **Thunderstorm Wind**

Thunderstorm winds downed large tree limbs.

Vernon County

1 E Nevada **14** **2330CST** **0** **0** **3K** **Thunderstorm Wind**

Thunderstorm winds damaged two hangers at the Nevada Municipal Airport. Parts of a metal door were tore off of one and walls of another were damaged.

Jasper County

Joplin **17** **0215CST** **0** **0** **5K** **Thunderstorm Wind**

Thunderstorm winds downed a tree on a mobile home causing minor damage.

Jasper County

Carthage **17** **0245CST** **0** **0** **25K** **Thunderstorm Wind**

Thunderstorm winds caused roof damage to the Carthage Junior High School. Winds also downed trees and blew down signs in many areas of town.

Newton County

Neosho **17** **0310CST** **0** **0** **2K** **Thunderstorm Wind**

Thunderstorm winds downed trees and power lines.

Newton County

Neosho **17** **0310CST** **0** **0** **2K** **Thunderstorm Wind**

Thunderstorm winds downed trees and power lines.

Newton County

4 NE Diamond **17** **0313CST** **0** **0** **40K** **Thunderstorm Wind**

Thunderstorm winds flipped over and severely damaged two mobile homes.

Greene County

Bois D Arc **17** **0330CST** **0** **0** **0** **Thunderstorm Wind**

Thunderstorm winds downed several large trees near the intersection of Highway 266 and K.

Lawrence County

Marionville **17** **0340CST** **0** **0** **0** **Thunderstorm Wind**

Thunderstorm winds downed three apple trees at an orchard.

Greene County

Republic **17** **0340CST** **0** **0** **15K** **Thunderstorm Wind**

Thunderstorm winds downed numerous trees and damaged a storage shed along Highway 60.

Lawrence County

Marionville **17** **0340CST** **0** **0** **0** **Thunderstorm Wind**

Thunderstorm winds downed three apple trees at an orchard.

Lawrence County

Aurora **17** **0345CST** **0** **0** **0** **Thunderstorm Wind**

Thunderstorm winds downed trees.

Barry County

Wheaton **17** **0345CST** **0** **0** **0** **Thunderstorm Wind**

Thunderstorm winds downed trees.

Greene County

Springfield **17** **0345CST** **0** **0** **5K** **Thunderstorm Wind**

Thunderstorm winds downed numerous large trees in the southwest part of town.

Stone County

1 N Union City **17** **0345CST** **0** **0** **0** **Thunderstorm Wind**

Thunderstorm winds downed a four inch diameter tree across a county road.

Lawrence County

Aurora **17** **0345CST** **0** **0** **0** **Thunderstorm Wind**

Thunderstorm winds downed trees.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MISSOURI, Southwest									
Barry County									
Wheaton	**17**	**0345CST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds downed trees.									
Greene County									
Springfield	**17**	**0345CST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Thunderstorm winds downed numerous large trees in the southwest part of town.									
Stone County									
1 N Union City	**17**	**0345CST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds downed a four inch diamter tree across a county road.									
Christian County									
Linden	**17**	**0350CST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Thunderstorm winds downed trees and power lines.									
Mcdonald County									
Pineville	**17**	**0350CST**			**0**	**1**	**5K**		**Thunderstorm Wind**
Thunderstorm winds downed numerous trees and power lines in the county.									
Christian County									
Linden	**17**	**0350CST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Thunderstorm winds downed trees and power lines.									
Barry County									
Monett	**17**	**0415CST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds downed several large trees.									
Webster County									
Northview	**17**	**0420CST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds downed several large trees.									
Wright County									
1 S Hartville	**17**	**0445CST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds downed trees along Highway 5.									
Webster County									
5 E Marshfield	**17**	**0451CST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds downed several large trees.									
Taney County									
5 W Branson	**17**	**0500CST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds downed a large tree along Highway 76.									
Douglas County									
Ava	**17**	**0500CST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds downed trees over much of the county.									
Texas County									
Houston	**17**	**0500CST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds downed trees.									
Dent County									
Salem	**17**	**0515CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Tree fell on house, damaging a corner of the roof.									
Howell County									
1 N Mountain View	**17**	**0525CST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds downed a large tree along county road 3080.									
Ozark County									
Elijah	**17**	**0530CST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds downed trees at Cloud 9 Ranch.									
Dent County									
Montauk	**17**	**0530CST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Thunderstorm winds blew down large tree limbs onto campers and blew down tents at Mountauk State Park.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MISSOURI, Southwest									
Shannon County									
Eminence	**17**	**0600CST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds downed several large tree limbs.									
Benton County									
3 N Fristoe	**19**	**0600CST**			**0**	**0**	**0**		**Flash Flood**
Turkey Creek rose out of its banks flooding a part of Highway 7.									
St. Clair County									
Taberville	**19**	**0600CST**			**0**	**0**	**0**		**Flash Flood**
Highway A was briefly flooded.									
Camden County									
Camdenton	**19**	**0700CST**			**0**	**0**	**0**		**Flash Flood**
Flooding was reported at the county courthouse.									
Laclede County									
5 E Lebanon	**19**	**0700CST**			**0**	**0**	**0**		**Flash Flood**
Highway 32 was briefly flooded along the Osage Fork River.									
Maries County									
2 W Vienna	**19**	**0700CST**			**0**	**0**	**0**		**Flash Flood**
Minor flooding occurred along Highway 42.									
Miller County									
3 S Iberia	**19**	**0700CST**			**0**	**0**	**0**		**Flash Flood**
Highway 17 was briefly flooded near the intersection of Highway K.									
Pulaski County									
Waynesville	**19**	**0700CST**			**0**	**0**	**0**		**Flash Flood**
Flooding of low water crossings and low lying areas occurred in many areas of the county. Street flooding was reported in Waynesville.									
Hickory County									
4 SW Preston	**19**	**1100CST**			**0**	**0**	**0**		**Flash Flood**
Brief flooding occurred along Crane Creek.									
A large complex of thunderstorms produced 3 to 5 inches of rain in a band from just north of Nevada to near Rolla. The previous three weeks had been very dry across the region, so flooding problems were minor.									
Morgan County									
8 N Florence	**25**	**0900CST**			**0**	**0**	**0**		**Flash Flood**
Four to six inches of rain fell across the northwest corner of the county during the morning hours causing flooding along Highway 135, north of Florence. Flooding was also reported at a gas station near the junction of Highways 135 and 50.									
MONTANA, Central									
Cascade County									
6 NW Great Falls	**07**	**1255MST**			**0**	**0**			**Hail (0.75)**
Pondera County									
Valier	**07**	**1610MST**			**0**	**0**			**Hail (2.00)**
Cascade County									
12 ESE Cascade	**07**	**1645MST**			**0**	**0**			**Hail (1.00)**
Cascade County									
4 SSW Ulm	**28**	**1645MST**			**0**	**0**			**Hail (1.00)**
Judith Basin County									
17 S Hobson	**28**	**1930MST**			**0**	**0**			**Hail (1.50)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MONTANA, East									
Petroleum County									
Flatwillow	**02**	**1735MST**			**0**	**0**			**Hail (0.88)**
Wheat crops in around the community of Scobey were completely flattened by severe thunderstorm winds and large hail.									
Valley County									
Nashua	**02**	**1820MST**			**0**	**0**			**Hail (0.75)**
Valley County									
Nashua	**02**	**1825MST**			**0**	**0**			**Hail (0.75)**
Valley County									
Frazer	**02**	**1840MST**			**0**	**0**			**Hail (1.00)**
Valley County									
8 N Opheim	**02**	**2000MST**			**0**	**0**			**Hail (0.88)**
Daniels County									
10 N Peerless	**02**	**2045MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Richland County									
2 NW Savage	**02**	**2110MST**			**0**	**0**	**30K**		**Thunderstorm Wind**
Thunderstorm winds downed power lines and large trees.									
Daniels County									
Four Buttes	**08**	**1330MST**			**0**	**0**			**Thunderstorm Wind (G60)**
Daniels County									
Peerless to Four Buttes	**08**	**1335MST**			**0**	**0**		**50K**	**Thunderstorm Wind**
Thunderstorm winds and hail completely flattened wheat crops in a ten mile long path.									
Daniels County									
4 NW Four Buttes	**08**	**1340MST**			**0**	**0**	**20K**	**75K**	**Thunderstorm Wind**
Thunderstorm winds destoryed a house trailer and flattened soon to be combined wheat. One field of corn was completely stripped of its leaves.									
Daniels County									
Madoc	**08**	**1345MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Daniels County									
Scobey	**08**	**1408MST**			**0**	**0**		**100K**	**Tstm Wind/Hail**
Sheridan County									
7 N Raymond	**08**	**1420MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Valley County									
8 SE Hinsdale	**14**	**1954MST**			**0**	**0**			**Thunderstorm Wind (G53)**
Valley County									
8 SE Hinsdale	**14**	**2000MST**			**0**	**0**			**Thunderstorm Wind (G63)**
Valley County									
10 NW Glasgow	**14**	**2005MST**			**0**	**0**			**Thunderstorm Wind (G57)**
Valley County									
Glasgow	**14**	**2014MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Sheridan County									
10 N Raymond	**27**	**1345MST**			**0**	**0**			**Thunderstorm Wind (G64)**
Sheridan County									
10 N Westby	**27**	**1405MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Sheridan County									
12 NW Westby	**27**	**1415MST**			**0**	**0**		**2K**	**Thunderstorm Wind**
Thunderstorm winds blew 800 pound hay bales off of a truck.									
Roosevelt County									
25 N Wolf Pt	**27**	**1448MST**			**0**	**0**			**Hail (0.75)**
Daniels County									
5 SW Scobey	**27**	**1500MST**			**0**	**0**			**Hail (1.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MONTANA, East									
Daniels County									
20 SW Scobey	**27**	**1510MST**			**0**	**0**			**Hail (0.75)**
Mccone County									
20 SW Vida	**27**	**1550MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Mccone County									
11 NW Circle	**27**	**1615MST**			**0**	**0**			**Hail (0.75)**
Daniels County									
16 S Flaxville	**27**	**1630MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Roosevelt County									
32 N Poplar	**27**	**1630MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Roosevelt County									
Froid	**27**	**1725MST** **1735MST**			**0**	**0**			**Hail (1.00)**
One inch hail covered the ground to a depth of 3-6 inches.									
Roosevelt County									
Froid	**27**	**1725MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Sheridan County									
5 E Homestead	**27**	**1730MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Roosevelt County									
Froid	**27**	**1750MST** **2000MST**			**0**	**0**			**Flash Flood**
Rain falling at the rate of 5 inches in one hour incombination of 3 to 6 inches of hail caused flooding in the town of Froid. Highway 16, which runs through the middle of town, was under 2 feet of water.									
Richland County									
Sidney	**27**	**1834MST**			**0**	**0**			**Thunderstorm Wind (G63)**
Roosevelt County									
8 N Bainville	**27**	**1840MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Phillips County									
Malta	**27**	**1846MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Phillips County									
Malta	**27**	**1852MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Dawson County									
10 N Lindsay	**27**	**2040MST**			**0**	**0**			**Hail (1.50)**
Roosevelt County									
Froid	**27**	**2115MST** **2330MST**			**0**	**0**			**Flash Flood**
Dawson County									
Glendive	**27**	**2136MST**			**0**	**0**			**Thunderstorm Wind (G64)**
Phillips County									
30 SE Zortman	**28**	**2145MST**			**0**	**0**			**Hail (0.75)**
Phillips County									
30 SE Zortman	**28**	**2145MST** **2146MST**			**0**	**0**			**Thunderstorm Wind (G61)**
Phillips County									
28 SE Malta	**28**	**2200MST**			**0**	**0**			**Thunderstorm Wind (G58)**
Valley County									
25 S Glasgow	**28**	**2313MST**			**0**	**0**			**Thunderstorm Wind (G66)**
Valley County									
Glasgow	**28**	**2330MST**			**0**	**0**	**100K**		**Thunderstorm Wind**
Thunderstorm winds downed power lines, peeled a roof off of a local lumber yard, twisted road signs and blew down large trees. Some residents north of Glasgow were without power for two days.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MONTANA, East									
Valley County									
7 SE Glasgow	**28**	**2330MST**			**0**	**0**	**10K**		**Thunderstorm Wind (G79)**
Thunderstorm winds to 91 miles an hour blew out windows in a house.									
Valley County									
Glasgow	**28**	**2330MST**			**0**	**0**			**Thunderstorm Wind (G65)**
At the Glasgow International Airport a wind of 76 miles an hour was recorded by ASOS.									
Valley County									
Ft Peck	**28**	**2331MST**			**0**	**0**	**0.50K**		**Thunderstorm Wind**
Truck window was blown out by the wind.									
Valley County									
Ft Peck	**28**	**2335MST**			**0**	**0**	**50K**		**Hail (0.75)**
Valley County									
Ft Peck	**28**	**2335MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Valley County									
Ft Peck	**28**	**2345MST**			**0**	**0**			**Hail (0.02)**
Large hail driven on winds in excess of 60 miles an hour punched holes in vinyl siding on numerous houses.									
Mccone County									
40 WNW Vida to 8 S Nashua	**29**	**0001MST**			**0**	**0**			**Hail (1.00)**
Mccone County									
40 WNW Vida	**29**	**0001MST**			**0**	**0**		**50K**	**Thunderstorm Wind (G70)**
Thunderstorm winds to 80 mph in combination with one inch hail destroyed wheat which was almost ready to be combined.									
Valley County									
Frazer	**29**	**0010MST**			**0**	**0**			**Thunderstorm Wind (G70)**
Power outages caused by the storm causes the Frazer Schools to be closed the next day.									
Valley County									
5 SW Lustre	**29**	**0015MST**			**0**	**0**	**10K**		**Thunderstorm Wind (G81)**
A roof sustained damage due to the severe thunderstorm winds.									
Valley County									
3 N Oswego	**29**	**0015MST**			**0**	**0**			**Thunderstorm Wind (G64)**
Roosevelt County									
Wolf Point to Wolf Pt Intl Arpt	**29**	**0017MST**			**0**	**0**			**Thunderstorm Wind (G67)**
77 mph wind measured at Wolf Point ASOS.									
Roosevelt County									
Wolf Pt to Wolf Pt Intl Arpt	**29**	**0020MST**			**0**	**0**			**Thunderstorm Wind (G52)**
Roosevelt County									
Wolf Pt	**29**	**0045MST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Daniels County									
21 SE Scobey	**29**	**0100MST**			**0**	**0**	**25K**		**Thunderstorm Wind**
Thunderrstorm winds nicking southeast Daniels County did damage to a farm, destorying a barn, two grain bins and a corral.									
Roosevelt County									
32 N Poplar	**29**	**0115MST**			**0**	**0**			**Hail (1.00)**
Roosevelt County									
32 N Poplar	**29**	**0115MST**			**0**	**0**	**2K**		**Thunderstorm Wind (G61)**
A Grain auger was destroyed by severe thunderstorm winds.									
Sheridan County									
15 SW Antelope	**29**	**0115MST**			**0**	**0**			**Hail (0.75)**
Sheridan County									
15 SW Antelope	**29**	**0115MST**			**0**	**0**			**Thunderstorm Wind (G52)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MONTANA, East									
Sheridan County									
Plentywood	**29**	**0150MST**			**0**	**0**			**Thunderstorm Wind (G52)**
MONTANA, South									
Powder River County									
Olive	**08**	**0508MST** **0514MST**			**0**	**0**			**Tstm Wind/Hail**
Powder River County									
Broadus	**08**	**0630MST** **0635MST**			**0**	**0**			**Hail (1.00)**
Carter County									
Alzada	**08**	**0755MST** **0757MST**			**0**	**0**			**Hail (0.75)**
Powder River County									
8 SW Biddle	**18**	**0000MST**			**0**	**0**			**Thunderstorm Wind (G60)**
Tree damage reported 8 sw of Biddle.									
Park County									
12 S Livingston	**18**	**0655MST** **0705MST**			**0**	**0**			**Hail (1.00)**
Sweet Grass County									
10 S Big Timber	**18**	**0655MST** **0705MST**			**0**	**0**			**Hail (0.88)**
Stillwater County									
5 N Reed Pt	**18**	**0747MST** **0750MST**			**0**	**0**			**Hail (1.00)**
Yellowstone County									
16 N Pompeys Pillar	**27**	**0555MST** **0600MST**			**0**	**0**			**Thunderstorm Wind (G59)**
Fallon County									
2 N Baker	**28**	**0007MST** **0010MST**			**0**	**0**			**Hail (0.88)**
Fallon County									
Plevna	**28**	**2315MST** **2325MST**			**0**	**0**			**Hail (1.75)**
MONTANA, West									
Sanders County									
Lone Pine	**01**	**1715MST**			**0**	**0**			**Hail (1.00)**
Quarter sized hail reported from a thunderstorm.									
Flathead County									
Kalispell	**01**	**1825MST** **1835MST**			**0**	**0**			**Hail (1.50)**
A thunderstorm caused ping pong ball sized hail at Foy Lake, then quarter sized hail in the city of Kalispell.									
Beaverhead County									
Lima	**02**	**1340MST** **1430MST**			**0**	**0**			**Hail (1.00)**
Hail up to quarter sized fell from a thunderstorm 4 miles northwest of Lima, and a half hour later the hail was 3-4 inches deep at the same place. Sage Creek overtopped its banks from the rain and flooded a basement of a home.									
Lincoln County									
9 NE Trego	**05**	**1650MST**			**0**	**0**			**Hail (1.75)**
Golf ball sized hail was reported in a thunderstorm on Mt. Marston.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MONTANA, West									
Flathead County									
Creston	**07**	**1300MST**			**0**	**0**			**Hail (1.75)**
A thunderstorm caused golf ball sized hail at Creston.									
Ravalli County									
Stevensville	**07**	**1415MST**			**0**	**0**			**Hail (0.75)**
Three-quarter inch diameter hail reported between Stevensville and Bell Crossing.									
Powell County									
Helmville	**07**	**1445MST**			**0**	**0**			**Hail (1.00)**
		1450MST							
Hail up to one inch in diameter fell from a thunderstorm.									
Lake County									
Polson	**07**	**1505MST**			**0**	**0**			**Hail (0.75)**
Dime sized hail reported with a thunderstorm near Polson.									
Lake County									
St Ignatius	**07**	**1625MST**			**0**	**0**			**Hail (0.75)**
A thunderstorm produced dime sized hail and a 60 mph wind gust at St. Ignatius, causing trees down onto power lines.									
Granite County									
Maxville	**07**	**1800MST**			**0**	**0**			**Hail (1.00)**
Quarter sized hail was reported at the VFW in Maxville from a thunderstorm.									
Powell County									
Deer Lodge	**07**	**1920MST**			**0**	**0**			**Hail (0.75)**
A thunderstorm caused dime sized hail at Deer Lodge.									
Lake County									
St Ignatius	**20**	**2000MST**			**0**	**0**			**Lightning**
A lightning strike caused a small forest fire and set a house on fire near St. Ignatius.									
Powell County									
Deer Lodge	**26**	**1800MST**			**0**	**0**			**Hail (0.75)**
Hail to 3/4 inch reported in a thunderstorm at Deer Lodge.									
NEBRASKA, Central									
Cherry County									
12 SE Merriman	**02**	**1730MST**			**0**	**0**			**Hail (1.75)**
Hooker County									
Mullen	**02**	**1920MST**			**0**	**0**	**3K**		**Thunderstorm Wind**
60 mph thunderstorm winds blew down large tree limbs in Mullen.									
Blaine County									
10 N Brewster	**13**	**1145CST**			**0**	**0**			**Hail (0.88)**
Brown County									
28 S Long Pine	**13**	**1155CST**			**0**	**0**			**Hail (0.75)**
Blaine County									
6 N Brewster	**13**	**1202CST**			**0**	**0**			**Hail (0.75)**
Brown County									
32 SSW Ainsworth	**13**	**1208CST**			**0**	**0**	**2K**	**100K**	**Hail (1.75)**
Blaine County									
5 NE Brewster	**13**	**1240CST**			**0**	**0**			**Hail (0.75)**
Holt County									
22 SW Atkinson	**13**	**1308CST**			**1**	**0**			**Lightning**
A 55 year-old man was struck and killed by lightning while riding a horse moving cattle in a meadow 22 miles southwest of Atkinson. M55OU									
Blaine County									
11 NNW Brewster	**13**	**1400CST**			**0**	**0**			**Hail (0.75)**
Logan County									
14 SE Stapleton	**13**	**1400CST**			**0**	**0**			**Hail (0.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEBRASKA, Central									
Custer County									
5 E Arnold	**13**	**1435CST**			**0**	**0**			**Hail (0.88)**
Custer County									
9 NW Callaway	**13**	**1505CST**			**0**	**0**			**Hail (1.00)**
Custer County									
10 SSW Broken Bow	**13**	**1600CST**			**0**	**0**			**Hail (0.75)**
Garfield County									
1 NW Burwell	**13**	**1640CST**			**0**	**0**			**Hail (0.88)**
Custer County									
10 SSE Broken Bow	**13**	**1645CST**			**0**	**0**			**Hail (1.00)**
Custer County									
9 E Oconto	**13**	**1700CST**			**0**	**0**			**Hail (0.75)**
Loup County									
8 E Taylor	**13**	**1720CST**			**0**	**0**	**1K**		**Hail (0.75)**
Thunderstorm winds and hail broke house windows.									
Perkins County									
2 ESE Elsie	**13**	**1835MST**			**0**	**0**			**Hail (0.88)**
Lincoln County									
8 SW North Platte	**13**	**1930CST**			**0**	**0**			**Hail (0.75)**
Holt County									
22 NNW O Neill	**14**	**1705CST**			**0**	**0**	**1M**	**500K**	**Hail (2.00)**
Widespread hail damage occurred to automobiles in the city of O Neill.									
Boyd County									
4 SSE Spencer	**14**	**1715CST**			**0**	**0**		**250K**	**Hail (1.50)**
Hail ranging in size from marbles to tennis balls battered crops and grassland in the area.									
Boyd County									
7 SE Lynch	**14**	**1755CST**			**0**	**0**	**6K**		**Thunderstorm Wind**
Large tree branches were blown down by thunderstorm winds.									
Holt County									
24 NE O Neill	**14**	**1815CST**			**0**	**0**		**400K**	**Hail (1.75)**
Large hail damaged or totally destroyed growing crops in the area.									
Holt County									
4 SE Inman	**14**	**1845CST**			**0**	**0**			**Hail (0.75)**
Sheridan County									
Gordon	**19**	**1753MST**			**0**	**0**			**Thunderstorm Wind (G64)**
Thunderstorm winds in excess of 60 mph were reported in Gordon.									
Chase County									
8 NE Lamar	**20**	**1758MST**			**0**	**0**			**Hail (1.75)**
Brown County									
5 SSE Johnstown	**21**	**0430CST**			**0**	**0**			**Hail (0.75)**
Blaine County									
2 SE Brewster	**21**	**0545CST**			**0**	**0**			**Hail (0.75)**
Custer County									
9 NNE Broken Bow	**21**	**0615CST**			**0**	**0**			**Hail (1.00)**
Cherry County									
2 W Wood Lake	**21**	**0630CST**			**0**	**0**			**Hail (1.25)**
Garfield County									
4 E Burwell	**21**	**1330CST**			**0**	**0**	**2K**	**250K**	**Hail (1.75)**
Deuel County									
1 SE Big Spgs	**21**	**1620MST**			**0**	**0**			**Hail (0.88)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEBRASKA, Central									
Keith County									
9 WSW Brule	**21**	**1625MST**			**0**	**0**			**Hail (0.88)**
Keith County									
2 S Roscoe	**21**	**1629MST**			**0**	**0**			**Hail (1.25)**
Keith County									
1 E Roscoe	**21**	**1638MST**			**0**	**0**	**10K**	**500K**	**Hail (1.75)**
Perkins County									
2 N Venango to .5 W Venango	**21**	**1708MST 1716MST**	**2.3**	**50**	**0**	**0**			**Tornado (F0)**
The tornado touched down and remained in open fields north of Venango.									
Perkins County									
2 ENE Venango	**21**	**1712MST**			**0**	**0**	**4K**	**200K**	**Hail (1.00)**
Perkins County									
3 ESE Venango to 11 S Venango	**21**	**1721MST 1728MST**	**11**	**50**	**0**	**0**			**Tornado (F0)**
The tornado traveled over open country south of Venango into northern Chase county or 7 miles north of Lamar. The weak tornado did little if any damage.									
Perkins County									
3 E Grant	**21**	**1730MST**			**0**	**0**	**3K**	**300K**	**Hail (1.75)**
Perkins County									
Grant	**21**	**1745MST**			**0**	**0**	**800K**		**Hail (2.75)**
Chase County									
9 N Imperial	**21**	**1800MST**			**0**	**0**	**1M**	**1.5M**	**Hail (2.75)**
Hail ranging in size from peas to tennis balls along with winds in excess of 60 mph damaged growing corn and personal property.									
Chase County									
2 SE Enders Res	**21**	**1817MST**	**0.1**	**20**	**0**	**0**			**Tornado (F0)**
A brief tornado touchdown occurred in open country and did little if any damage.									
Chase County									
2 SE Imperial	**21**	**1820MST**			**0**	**0**	**1M**	**1.5M**	**Hail (1.75)**
Large hail and damaging winds estimated at 100 mph broke windows and tree limbs and damaged crops in the area.									
Hayes County									
7 NNW Hamlet	**21**	**1925CST**			**0**	**0**			**Hail (0.75)**
Hayes County									
13 WNW Hayes Center	**21**	**1930CST 2030CST**			**0**	**0**			**Hail (0.75)**
Lincoln County									
1 NE Brady	**21**	**2030CST**			**0**	**0**			**Hail (0.88)**
Lincoln County									
7 S Brady	**21**	**2040CST**			**0**	**0**			**Hail (0.75)**
Lincoln County									
6 SSW Brady	**21**	**2050CST**			**0**	**0**			**Hail (1.00)**
Frontier County									
5 NNE Curtis	**21**	**2115CST**			**0**	**0**			**Hail (0.75)**
Cherry County									
9 SW Brownlee	**22**	**0855CST**			**0**	**0**			**Hail (0.75)**
Thomas County									
9 SW Thedford	**22**	**1710CST**			**0**	**0**			**Hail (1.00)**
Thomas County									
9 SW Thedford	**22**	**1725CST**			**0**	**0**			**Hail (1.00)**
Keya Paha County									
21 NW Springview	**22**	**1750CST**			**0**	**0**			**Hail (1.00)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEBRASKA, Central									
Keya Paha County									
18 NW Springview	**22**	**1815CST**			**0**	**0**	**3K**	**100K**	**Hail (2.00)**
Brown County									
3 W Johnstown	**22**	**1900CST**			**0**	**0**			**Hail (0.88)**
Cherry County									
2 W Wood Lake	**22**	**1916CST**			**0**	**0**			**Hail (1.00)**
Cherry County									
7 S Wood Lake	**22**	**1950CST**			**0**	**0**			**Hail (0.75)**
Cherry County									
12 SW Brownlee	**23**	**1640MST**			**0**	**0**			**Hail (0.75)**
Cherry County									
4 S Valentine	**23**	**1848CST**			**0**	**0**			**Hail (1.00)**
Deuel County									
11 NW Big Spgs	**28**	**1453MST**	**0.1**	**25**	**0**	**0**			**Tornado (F0)**
The weak tornado touched down for a brief time period in an open field.									
Deuel County									
10 N Big Spgs	**28**	**1500MST**			**0**	**0**			**Hail (0.75)**
Garden County									
6 SSW Lewellen	**28**	**1505MST**			**0**	**0**			**Hail (0.75)**
Keith County									
13 NW Brule	**28**	**1515MST**			**0**	**0**			**Hail (0.88)**
Keith County									
11 W Ogallala	**28**	**1525MST**	**0.1**	**20**	**0**	**0**			**Tornado (F0)**
Spotters reported a brief touchdown of a weak tornado.									
Keith County									
3 SW Ogallala	**28**	**1615MST**			**0**	**0**			**Hail (0.88)**
Perkins County									
11 NNW Madrid	**28**	**1630MST**			**0**	**0**			**Hail (0.88)**
Sheridan County									
8 W Gordon	**28**	**1655MST**	**0.1**	**15**	**0**	**0**			**Tornado (F0)**
A landspout briefly touched down in open country 8 miles west of Gordon.									
Perkins County									
2 ESE Elsie	**28**	**1705MST**			**0**	**0**	**5K**	**750K**	**Hail (1.75)**
Sheridan County									
3 NNE Rushville	**28**	**1705MST**	**0.1**	**20**	**0**	**0**			**Tornado (F0)**
A weak tornado made a brief touchdown in open country.									
Perkins County									
6 S Grainton	**28**	**1752MST**			**0**	**0**			**Hail (0.75)**
Cherry County									
56 S Merriman	**28**	**1805MST**			**0**	**0**			**Hail (0.75)**
Cherry County									
50 S Irwin	**28**	**1815MST**			**0**	**0**			**Hail (1.75)**
Hayes County									
16 NW Hayes Center	**28**	**1855CST**			**0**	**0**	**1K**	**250K**	**Hail (1.50)**
Wind-driven hail broke windows out.									
Lincoln County									
10 SSW Wallace	**28**	**1910CST**			**0**	**0**	**4K**	**200K**	**Hail (1.75)**
Perkins County									
6 S Grainton	**28**	**1915MST**			**0**	**0**			**Hail (0.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEBRASKA, Central									
Hayes County									
Hayes Center	**28**	**1935CST**			**0**	**0**	**500K**	**1M**	**Hail (1.25)**
Strong thunderstorm winds and hail broke tree limbs and caused severe crop damage in the Hayes Center area.									
Hayes County									
Hayes Center	**28**	**2020CST**			**0**	**0**	**8K**		**Hail (1.75)**
Severe thunderstorm winds and large hail broke large tree branches down in Hayes Center.									
Frontier County									
22 SW Stockville	**28**	**2130CST**			**0**	**0**			**Hail (0.75)**
Keya Paha County									
4 N Springview	**29**	**1525CST**			**0**	**0**			**Hail (1.50)**
Boyd County									
Butte	**29**	**1545CST**			**0**	**0**			**Thunderstorm Wind (G65)**
Boyd County									
Butte	**29**	**1604CST**			**0**	**0**			**Thunderstorm Wind (G65)**
Boyd County									
1 W Butte	**29**	**1650CST**			**0**	**0**			**Hail (0.88)**
Boyd County									
2 E Lynch	**29**	**1733CST**			**0**	**0**	**3K**	**90K**	**Hail (1.50)**
Rock County									
25 S Bassett	**29**	**1800CST**			**0**	**0**			**Hail (0.75)**
Rock County									
6 S Rose	**29**	**1820CST**			**0**	**0**			**Hail (0.75)**
Loup County									
18 NE Taylor	**29**	**1830CST**			**0**	**0**			**Hail (0.75)**
Rock County									
10 NNE Rose	**29**	**1845CST**			**0**	**0**			**Hail (0.75)**
Holt County									
13 SW Amelia	**29**	**1900CST**			**0**	**0**			**Hail (0.75)**
Garfield County									
19 NNE Burwell	**29**	**1905CST**			**0**	**0**	**3K**		**Thunderstorm Wind**
Thunderstorm winds blew down large tree branches in town.									
Wheeler County									
1 S Bartlett	**29**	**2000CST**			**0**	**0**			**Hail (0.88)**
Wheeler County									
12 SE Bartlett	**29**	**2043CST**			**0**	**0**			**Hail (0.75)**
Widely scattered thunderstorms tracked east across north central nebraska and produced mainly 3/4 inch hail with a few instances of larger hail. Thunderstorm winds in excess of 60 mph accompanied a few of the storms causing broken tree branches.									
NEBRASKA, East									
Saline County									
3.5 W Friend	**01**	**2200CST**			**0**	**0**			**Hail (0.75)**
Seward County									
6 SW Seward	**03**	**1750CST** **1752CST**	**0.3**	**10**	**0**	**0**			**Tornado (F0)**
Brief touchdown reported by sheriff department.									
Seward County									
5 W Milford	**03**	**1815CST**			**0**	**0**			**Funnel Cloud**
Lancaster County									
1 S Lincoln	**03**	**1923CST**			**0**	**0**			**Hail (0.75)**
Lancaster County									
Roca	**03**	**1924CST**			**0**	**0**			**Hail (0.88)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEBRASKA, East									
Knox County									
10 S Verdel	**14**	**1745CST 1800CST**			**0**	**0**			**Hail (2.50)**
Knox County									
Center	**14**	**1745CST 1915CST**			**0**	**0**		**2M**	**Hail (2.50)**
A significant hailstorm damaged corn and soybean crops in many parts of Knox county. The most significant damage occurred between Verdigre and Niobrara then east to Center and Bloomfield.									
Knox County									
15 NW Verdigre	**14**	**1801CST**			**0**	**0**			**Thunderstorm Wind (G61)**
Knox County									
Center	**14**	**1840CST**			**0**	**0**			**Thunderstorm Wind (G61)**
Numerous 3 to 4 inch tree limbs downed.									
Knox County									
Verdigre	**14**	**1850CST**			**0**	**0**	**6K**		**Thunderstorm Wind (G61)**
Many trees and power lines downed.									
Knox County									
Bloomfield	**14**	**1855CST**			**0**	**0**			**Hail (0.75)**
Knox County									
Wausa	**14**	**1856CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Satellite TV dish blown down.									
Knox County									
3 S Center	**14**	**1905CST**			**0**	**0**	**3K**		**Thunderstorm Wind (G61)**
Roof blown off a shed.									
Cedar County									
6 SW Hartington	**14**	**1920CST 2005CST**			**0**	**0**		**3M**	**Hail (2.75)**
A hailstorm moved across the central and southern portions of Cedar county causing significant damage or destruction to crops. It was estimated that there was 1.5 million dollars damage to the corn crop and 1.5 million dollars damage to the soybean crop. The most significant damage was confined to an area six miles wide and 14 miles long affecting 65,280 acres of farm land west and southwest of Hartington. Other significant crop damage occurred in the Coleridge area and to the north of Randolph.									
Cedar County									
Coleridge	**14**	**1951CST**			**0**	**0**			**Hail (0.75)**
Pierce County									
5 ESE Pierce	**14**	**2000CST**			**0**	**0**	**10K**		**Thunderstorm Wind (G60)**
Roof blown off a trailer home along Highway 81 near the Pierce/Madison county line.									
Madison County									
Norfolk	**14**	**2003CST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Steel framing being used on a construction site at the Norfolk Catholic High School was blown down.									
Madison County									
Newman Grove	**14**	**2012CST**			**0**	**0**	**1K**		**Tstm Wind/Hail**
Pea to marble size hail combined with 39 knot winds to strip trees.									
Wayne County									
7 SW Winside	**14**	**2015CST**			**0**	**0**			**Hail (1.00)**
Hail covered the ground near Highway 35 and the Wayne county line.									
Stanton County									
11 N Stanton	**14**	**2015CST**			**0**	**0**			**Hail (1.00)**
Hail covered the ground near Highway 35 and the Stanton county line.									
Stanton County									
14 SE Stanton	**14**	**2035CST**			**0**	**0**		**15K**	**Hail (1.00)**
Hail damaged corn and soybeans in a 1 mile stretch south of Highway 32 and west of Highway 15 in southeast Stanton county.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEBRASKA, East									
Richardson County									
Shubert to Barada	**16**	**1925CST 1940CST**			**0**	**0**		**30K**	**Thunderstorm Wind (G61)**
Thunderstorm winds caused extensive damage to corn and soybean crops. The damage was most extensive within a few miles southeast of Shubert.									
Richardson County									
Verdon	**16**	**1930CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Burt County									
3 SW Oakland	**19**	**0730CST**			**0**	**0**			**Hail (1.00)**
Knox County									
5 SE Niobrara	**19**	**1504CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Knox County									
Bloomfield	**19**	**1535CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Cuming County									
Wisner	**19**	**1733CST**			**0**	**0**			**Thunderstorm Wind (G56)**
Large tree limbs downed.									
Cuming County									
Wisner	**19**	**1745CST**			**0**	**0**			**Hail (0.75)**
Cuming County									
West Pt	**19**	**1804CST**			**0**	**0**			**Hail (0.88)**
Knox County									
2 SW Verdel	**29**	**1625CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Tree limbs downed.									
Knox County									
6 NE Lindy	**29**	**1630CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Knox County									
3 SW Santee	**29**	**1700CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Knox County									
15 W Crofton	**29**	**1822CST**			**0**	**0**			**Hail (0.75)**
Boone County									
Albion	**29**	**2030CST**			**0**	**0**			**Thunderstorm Wind (G55)**
Thunderstorm winds blew down a traffic sign.									
Douglas County									
	30	**0540CST**			**0**	**0**	**30K**		**Lightning**
Lightning struck a home causing a fire.									
NEBRASKA, Extreme Northeast									
Dixon County									
Dixon	**14**	**1958CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Thunderstorm winds blew down twelve inch diameter tree limbs.									
Dakota County									
3 SE Hubbard	**14**	**2020CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Thunderstorm winds caused an unknown amount of damage to corn and bean crops.									
NEBRASKA, Extreme Southwest									
Dundy County									
19 NNE Benkelman	**21**	**1825MST**	**0.3**	**50**	**0**	**0**	**2K**		**Tornado (F1)**
Weak tornado moving south southeast blew out windows and tore down tree branches. One inch hail was observed 2 miles east of tornado.									

Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEBRASKA, Extreme Southwest

Dundy County

15 N Benkelman | **21** | **1845MST** | **0** | **0** | **10K** | | **Hail (4.00)**

Hail up to grapefruit size damaged vehicles, roofs, and siding and destroyed windows and windshields.
The hail was accompanied by strong winds. At 1840 MST, 1.25 inch diameter hail was reported 16 miles north of Benkelman and winds broke 4 branches up to 3 inches in diameter. At 1841 MST winds estimated at 60 mph were reported 11 miles NNE Benkelman.

Dundy County

7 SSE Max | **21** | **1900MST** | **0** | **0** | | | **Thunderstorm Wind (G61)**

Tree branches up to 8 inches in diameter downed. Hail up to 2 inches in diameter fell at Max between 1848 and 1853 MST.

Hitchcock County

4 WSW Stratton to 5 WSW Stratton | **21** | **1950CST 2000CST** | **0** | **0** | | | **Tstm Wind/Hail**

Fifty foot cottonwood tree blown over and broke hole in roof. Hail up to dime size reported. Dozen tree limbs up to 6 inches in diameter broken.

Red Willow County

14 SSW Mc Cook | **21** | **2000CST** | **0** | **0** | | | **Hail (0.75)**

Hail accompanied by 50 to 60 mph wind.

Dundy County

21 NNE Haigler | **31** | **1745MST** | **0** | **0** | | | **Thunderstorm Wind (G52)**

Tree limbs 6 inches in diameter broken.

NEBRASKA, South Central

Merrick County

Central City | **03** | **1742CST** | **0** | **0** | **0** | **0** | **Hail (0.75)**

Hall County

Grand Is | **03** | **1830CST** | **0** | **0** | **20K** | **0** | **Thunderstorm Wind (G55)**

Adams County

Hastings | **03** | **1955CST** | **0** | **0** | **20K** | **0** | **Thunderstorm Wind (G55)**

Adams County

Hastings | **03** | **2005CST** | **0** | **0** | **0** | **0** | **Hail (0.75)**

Hall County

2 N Grand Is | **04** | **1559CST** | **0** | **0** | **0** | **0** | **Thunderstorm Wind (G55)**

Hall County

Grand Is | **04** | **1602CST** | **0** | **0** | **8K** | **0** | **Thunderstorm Wind (G60)**

Sherman County

4 SE Ashton | **04** | **1655CST** | **0** | **0** | **0** | **75K** | **Hail (1.00)**

Buffalo County

11 NW Pleasanton | **13** | **1725CST** | **0** | **0** | **25K** | **1M** | **Thunderstorm Wind (G60)**

Buffalo County

8 S Ravenna | **13** | **1735CST** | **0** | **0** | **20K** | **0** | **Thunderstorm Wind (G70)**

Valley County

Ord | **13** | **1736CST** | **0** | **0** | **25K** | **200K** | **Hail (2.00)**

Phelps County

Holdrege | **13** | **2200CST** | **0** | **0** | **0** | **0** | **Thunderstorm Wind (G55)**

A severe thunderstorm in northwest Buffalo county caused considerable crop damage with the combination of high wind and hail. South of Ravenna, another severe thunderstorm damaged two outbuildings on a farmstead.

Kearney County

5 N Axtell | **14** | **1835CST** | **0** | **0** | **3K** | **0** | **Thunderstorm Wind (G55)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEBRASKA, South Central									
Kearney County									
4 NW Minden	**14**	**1850CST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Buffalo County									
4 N Gibbon	**21**	**0700CST** **0705CST**			**0**	**0**	**20K**	**500K**	**Hail (1.00)**
Buffalo County									
Kearney	**21**	**0705CST**			**0**	**0**	**40K**	**0**	**Thunderstorm Wind (G52)**
Kearney County									
Minden	**21**	**0830CST**			**0**	**0**	**150K**	**750K**	**Thunderstorm Wind (G65)**
Franklin County									
Upland	**21**	**0900CST**			**0**	**0**	**10K**	**250K**	**Hail (0.75)**
Early morning thunderstorms dumped hail north of Gibbon for five minutes while uprooting trees in Kearney as well. Severe crop damage occurred in Kearney and Franklin counties as the combination of wind and hail damaged corn and soybeans. Street flooding was reported in Minden with several large trees damaged.									
Greeley County									
3 W Greeley	**21**	**2110CST**			**0**	**0**	**80K**	**2M**	**Hail (1.25)**
Howard County									
8 N St Paul to 3 NW St Paul	**21**	**2133CST**			**0**	**0**	**150K**	**4M**	**Hail (1.75)**
Howard County									
St Paul	**21**	**2143CST**			**0**	**0**	**10K**	**150K**	**Hail (0.75)**
Hall County									
Grand Is	**21**	**2218CST**			**0**	**0**	**50K**	**150K**	**Hail (1.00)**
Hall County									
Grand Is	**21**	**2230CST**			**0**	**0**	**100K**	**450K**	**Hail (2.00)**
A round of late afternoon and evening thunderstorms rolled south from Greeley to Hall county. A part of northwest Howard sustained tremendous crop loss from the wind driven hail. Drifts of hail were still present the next morning. Windows were broken and pivots overturned. As the hail moved through Grand Island, numerous cars were damaged.									
NEBRASKA, West									
Banner County									
12 SW Harrisburg	**13**	**1705MST** **1706MST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G50)**
Recorded at USAF site.									
Morrill County									
15 S Bridgeport	**18**	**1558MST** **1559MST**			**0**	**0**	**2K**	**2K**	**Hail (1.75)**
Kimball County									
10 NW Kimball	**19**	**1535MST** **1536MST**			**0**	**0**	**2K**	**2K**	**Hail (1.75)**
Kimball County									
2 N Kimball	**19**	**1545MST** **1546MST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Kimball County									
3 NE Kimball	**19**	**1550MST** **1551MST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Kimball County									
3 NE Dix	**19**	**1555MST** **1556MST**			**0**	**0**	**0**	**0**	**Hail (0.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEBRASKA, West									
Kimball County									
10 N Dix	**26**	**1630MST** **1631MST**			**0**	**0**	**0**	**0**	**Tstm Wind/Hail**
Wind gust to 81 mph and 3/4" hail reported at USAF site.									
Kimball County									
9 N Dix	**26**	**1730MST** **1731MST**	**0.1**	**9**	**0**	**0**	**3K**	**0**	**Tornado (F0)**
Unconfirmed public report; farm building damaged.									
NEVADA, North									
NONE REPORTED.									
NEVADA, South									
Lincoln County									
24 NW Ursine to 3 N Ursine	**04** **05**	**1730PST** **0040PST**			**0**	**0**	**100K**	**10K**	**Flash Flood**
Heavy rain showers fell on a 9000 acre burn area in northeast Lincoln County and resulted in a flash flood which began in Camp Valley Creek and ended in Eagle Valley Canyon. Flood waters reached as high as 20 feet in places and swept through a ranch damaging property, machinery and hay stacks. The waters also washed out several sections of the road in Eagle Valley Canyon before they were contained in the Eagle Valley Reservoir three miles north of Ursine.									
Clark County									
Henderson	**08**	**1447PST**			**0**	**0**			**Hail (0.75)**
Clark County									
Las Vegas	**08**	**1505PST**			**0**	**0**	**20K**		**Thunderstorm Wind**
Clark County									
Henderson	**08**	**1510PST** **1600PST**			**0**	**0**	**5K**		**Flash Flood**
Clark County									
Henderson	**08**	**1515PST**			**0**	**0**			**Hail (0.75)**
Clark County									
Las Vegas	**08**	**1520PST**			**0**	**0**	**5K**		**Lightning**
Clark County									
Nellis Afb	**08**	**1539PST**			**0**	**0**			**Thunderstorm Wind (G52)**
Clark County									
Las Vegas	**08**	**1657PST**			**0**	**0**			**Thunderstorm Wind (G50)**
A brief episode of severe thunderstorms disrupted the afternoon in the Las Vegas Valley. Damaging winds downed power poles and heavy rain caused minor flash flooding. 11,500 homes lost electricity for about four hours and at least one home received minor flood damage. Also, the roof of one home caught fire from a lightning strike but was extinguished before major damage occurred.									
Clark County									
Mead Lake	**09**	**0130PST** **0230PST**			**0**	**0**			**Thunderstorm Wind (G50)**
An automated wind sensor at Echo Bay on Lake Mead recorded a gust of 58 mph from thunderstorms over northwest Mohave County, AZ.									
Clark County									
Las Vegas	**09**	**1608PST**			**0**	**0**			**Hail (1.75)**
Clark County									
Las Vegas	**09**	**1615PST**			**0**	**0**	**25K**		**Hail (1.00)**
Clark County									
Las Vegas	**09**	**1615PST**			**0**	**0**	**75K**		**Thunderstorm Wind**
Clark County									
Las Vegas	**09**	**1625PST** **1710PST**			**0**	**0**			**Urban/Sml Stream Fld**
Severe thunderstorms rolled across the western part of Las Vegas producing damaging winds and hail. Several power poles were snapped along Charleston Blvd., a trailer was destroyed and signs and roofs in the area received damage from both the wind and									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEVADA, South

hail. 19,000 homes lost power for a few hours. The storms also produced local street flooding with rainfall amounts up to 0.73 inches in 15 minutes.

Lincoln County

24 NW Ursine to 3 N Ursine — **09** — **2015PST** / **2230PST** — **0** — **0** — **Flash Flood**

Heavy thunderstorm rains caused another flash flood event in Camp Valley Creek and Eagle Canyon where flooding occurred less than a week earlier. The water took a similar course as the previous flood and there were no reports of injuries or additional damage.

Clark County

2 SE Las Vegas N Air Term — **10** — **1140PST** — **0** — **0** — **Thunderstorm Wind (G52)**

An off-duty NWS meteorologist reported a 60 mph wind gust with pea-sized hail one inch deep on the ground.

Clark County

Henderson — **10** — **1150PST** — **0** — **0** — **1K** — **Thunderstorm Wind (G52)**

A skywarn spotter reported large broken tree branches from thunderstorm winds estimated at 60 mph.

Clark County

Henderson — **10** — **1157PST** — **0** — **0** — **Hail (0.75)**

A skywarn spotter reported dime-sized hail in Henderson.

Clark County

Henderson — **10** — **1205PST** / **2100PST** — **1** — **4** — **4M** — **Flash Flood**

In addition to strong winds and large hail, redeveloping severe thunderstorms produced heavy downpours which resulted in severe flash flooding in the southeast Las Vegas Valley. In Henderson, raging flood waters turned roads into rivers up to three and four feet deep. Water and mud slides closed many roads, including U.S. Highway 95, for several hours. One man was drowned when a strong current swept him under his vehicle as he tried to move it off his neighborhood street. Rescue workers performed a number of swift water rescues until as late as 8:30 pm PST. Four people were hospitilized. Flooding also resulted in the release of titanium dioxide gas (non-toxic) at the TIMET plant. Extensive damage to roads and buildings prompted the Governor to declare Henderson a disaster area. M58IW

Clark County

Las Vegas — **10** — **1215PST** — **0** — **0** — **Hail (0.88)**

A weather spotter reported nickel-sized hail stones along Charleston Blvd. between Rainbow and Decatur.

Clark County

Henderson — **10** — **1230PST** — **0** — **0** — **15K** — **Thunderstorm Wind**

Damaging thunderstorm winds downed a 40 foot tree and snapped several power poles leaving up to 9,000 people in Henderson without electrical power for several hours.

Clark County

Henderson — **10** — **1243PST** — **0** — **0** — **Hail (0.75)**

An off-duty NWS meteorologist reported dime-sized hail.

Clark County

Boulder City — **10** — **1250PST** / **1900PST** — **0** — **1** — **4.5M** — **Flash Flood**

Boulder City and the nearby Lake Mead National Recreation Area were also hit hard by heavy rain producing thunderstorms. Water and debris swept across Highway 93, between Railroad Pass and Boulder City, taking several vehicles off the road but sparing all occupants from injury. Flood waters also eroded roads, drainage canals and damaged many buildings in Boulder City. One man almost drowned in a drainage culvert but was rescued and hospitalized. The storms and floods ravaged the west side of Lake Mead battering marinas, eroding beaches and washing out roads. The recreation area was closed by 1:25 pm PST as access to Hemenway Launch, Boulder Beach and Lake Mead Marina was cut off by flooding. Over 500 people were held captive within the park until the flood waters subsided. Damage was estimated at over one million dollars for Lake Mead and about 3.4 million dollars for Boulder City. The Governor declared Boulder City a disaster area along with Henderson.

Clark County

Henderson — **10** — **1300PST** — **0** — **0** — **Thunderstorm Wind (G70)**

A Skywarn spotter reported winds estimated at 80 mph.

Clark County

Boulder City — **10** — **1600PST** — **0** — **0** — **75K** — **Thunderstorm Wind (G79)**

Intense thunderstorm winds pummelled Boulder City uprooting and snapping numerous trees. The golf course alone reported 40 trees down. The Boulder City airport recorded a peak wind gust of 91 mph.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEVADA, South

Lincoln County

24 NW Ursine to Ursine — **10** — **1259PST** / **1500PST** — **0** — **0** — **10K** — **Flash Flood**

The flash flood prone Eagle Valley Canyon was again reported to be running with water at 12:59 pm PST. By 2:45 pm PST, the water had made its way down the canyon and caused the Eagle Valley Reservoir to overflow its embankment. An estimated 3,000 fish were washed over the bank and left to die. State highway 322, between Pioche and Ursine was also flooded. The Lincoln County Sheriff reported the road closed for a few hours.

Clark County

Mead Lake — **28** — **1220PST** — **0** — **0** — **Hail (0.75)**

A park ranger reported dime-sized hail just north of Las Vegas Bay along North Shore Road.

Clark County

Boulder City — **28** — **1408PST** — **0** — **0** — **Hail (0.75)**

Dime-sized hail was observed by a storm spotter in Boulder City.

Clark County

Boulder City Arpt — **28** — **1414PST** — **0** — **0** — **Thunderstorm Wind (G50)**

A peak wind of 58 mph was recorded at the Boulder City Airport along with small hail and very heavy rain.

Clark County

Boulder City — **28** — **1440PST** — **0** — **1** — **50K** — **Flash Flood**

The Boulder City Police Department reported flood waters had closed Georgia Street and Riviera Court and Buchanan and Broadmore. Also, an 11 year old boy was caught in a drainage ditch by flood waters and had to be rescued. The exact time was unknown. He escaped with only minor injuries. The flood waters also damaged the Georgia Avenue drainage channel and washed away dirt fill which set back repair efforts to roads from a recent flash flood event.

NEVADA, West

Mineral County

Mina — **08** — **1430PST** / **1500PST** — **0** — **0** — **Flash Flood**

Flash flooding was reported across Highway 95 between Mina and Sodaville from a thunderstorm. There was no significant damage reported.

Lyon County

Yerington — **08** — **1539PST** / **1540PST** — **0** — **0** — **Thunderstorm Wind (G50)**

A severe thunderstorm in Yerington (Lyon County) blew down trees and snapped tree limbs. Estimated wind gusts were at least 50 kts.

Washoe County

15 N Reno — **11** — **1645PST** / **1650PST** — **0** — **0** — **Funnel Cloud**

An off-duty NWS employee reported a funnel cloud just north of Peavine Mountain near Reno. It lasted for about five minutes before dissipating.

NEW HAMPSHIRE, North and Central

Grafton County

Plymouth — **28** — **1700EST** / **2300EST** — **0** — **0** — **Flood**

Carroll County

Sandwich — **28** — **1800EST** / **2300EST** — **0** — **0** — **Flood**

Carroll County

Tamworth — **28** — **1800EST** / **2300EST** — **0** — **0** — **Flood**

Slow moving thunderstorms dumped 3 to 5 inches of rain in central New Hampshire. Flooding occurred in Sandwich along Route 25 and along Holderness Rd. In Tamworth, flooding occurred on Mountain Rd. In Plymouth, two businesses were flooded, as were sections of Highland Street and High Street. Many roads were washed out or closed due to mud and/or debris.

NEW HAMPSHIRE, Southern

NONE REPORTED.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEW JERSEY, Northeast									
Bergen County									
Oakland	**03**	**1515EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Passaic County									
Paterson	**03**	**1515EST**			**0**	**0**			**Thunderstorm Wind (G50)**

Scattered severe thunderstorms moved east-southeast across the area.

They produced high winds that downed trees along Route 287 near Oakland and Paterson.

Union County									
Garwood	**05**	**1859EST**			**0**	**0**			**Hail (1.00)**
Union County									
Union	**05**	**1915EST**			**0**	**0**			**Hail (0.75)**

A severe thunderstorm moved east-southeast across Union County. It produced large hail and heavy rain.

One-inch diameter hail dented cars in Garwood and 3/4-inch diameter hail fell along the West Union Turnpike in Union. Hail up to one-inch in diameter also fell in Cranford.

Passaic County									
Ringwood to West Milford	**16**	**1600EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Essex County									
Caldwell Arpt to Newark	**16**	**1615EST 1635EST**			**0**	**2**			**Thunderstorm Wind (G50)**
Union County									
Roselle to Union	**16**	**1615EST**			**0**	**0**			**Thunderstorm Wind (G56)**
Hudson County									
North Bergen	**16**	**1630EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Passaic County									
Wayne to Paterson	**16**	**1630EST**			**0**	**1**			**Thunderstorm Wind (G50)**
Bergen County									
Oakland	**16**	**1639EST 1655EST**			**0**	**0**			**Thunderstorm Wind (G50)**

A line of severe thunderstorms moved rapidly east across the area. Thunderstorms produced high winds that downed numerous trees and power lines.

High winds downed numerous trees in Ringwood and along Route 23 in West Milford. A shed was blown away in Ringwood of Western Passaic County.

In Essex County, a tree fell onto a house in Maplewood. In Newark, a person was injured when a tree fell and pinned the person. A 58 mph peak wind gust was recorded at Caldwell Airport.

In Union County, high winds downed numerous large trees in Roselle and downed wires in both Roselle and Union.

Across Eastern Passaic County, high winds downed trees and powerlines in both Wayne and Paterson.

In Bergen County, traffic lights were downed in Woodridge. High winds downed trees in Saddle Brook, Lyndhurst, and Rutherford.

Passaic County									
Totowa	**16**	**2305EST**			**0**	**0**			**Flash Flood**

Thunderstorms produced heavy rain that resulted in flooding of roads. Roads were forced to close in Totowa and in other locations across Central Passaic County.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEW JERSEY, Northeast

Essex County

Countywide	**20**	**1200EST**			**0**	**0**			**Heavy Rain**
	21	**0400EST**							

Hudson County

Countywide	**20**	**1200EST**			**0**	**0**			**Heavy Rain**
	21	**0400EST**							

A low pressure system developed over the lower Midwest on Wednesday, August 20th. As it slowly intensified, it moved east-northeast across Pennsylvania, passing just south of Long Island during Thursday morning.

The low produced heavy rain and strong gusty winds across the area.

Here are selected rainfall amounts for:

Essex County: 1.26 inches at Newark Airport.

Hudson County: 1.29 inches at Harrison and 1.18 inches at Jersey City.

East to southeast winds averaged 15 to 25 mph with gusts over 30 mph.

NEW JERSEY, South and Northwest

Morris County

Denville to	**03**	**1455EST**			**0**	**0**		**0**	**Thunderstorm Wind**
Boonton		**1458EST**							

A severe thunderstorm uprooted numerous trees in Denville. The same storm knocked down about 25 trees in Boonton and took down 5 poles. Heavy rain associated with this thunderstorm also caused some roadway flooding on Interstate 80 in Denville.

Middlesex County

Fords	**05**	**1930EST**			**0**	**0**			**Hail (0.75)**

Middlesex County

South Amboy Jct	**05**	**2100EST**			**0**	**0**		**0**	**Flood**
		2200EST							

Thunderstorms with very heavy rain caused flooding of streams and roadways in the northeast part of Middlesex County. Rainfall rates were around 2 inches per hour; about an inch of rain fell within 30 minutes in Sayreville. Flooding was reported in Sayreville and Old Bridge. The heavy rain also forced the closure of Victory Circle (U.S. Route 9 and New Jersey State Route 35) in Sayreville.

Monmouth County

Highlands	**13**	**1200EST**	**1.2**	**75**	**0**	**0**	**50K**	**0**	**Tornado (F0)**

A F0 (Fujita Scale) touched down briefly in Middletown Township and Highlands Borough before it went into Sandy Hook Bay and dissipated. The path length was about 1.2 miles and the path width about 75 yards. The tornado damaged several cars and homes, and uprooted and/or snapped numerous trees, but no injuries were reported. The tornado touched down in northeastern Middletown Township near Pape Drive and Navasink Avenue. It moved northeast and uprooted a tree on Williams Street that crushed three parked cars. Another car was burned when it came in contact with downed wires on Buttermilk Valley Road. A tree also crushed an awning in the Shadow Lane Mobile Home Park. In Highlands Borough, a shed was blown off its foundation and carried by the tornado between two houses. Other structural damage was mainly confined to broken windows, torn shingles and gutters. Maximum wind speeds were estimated at the high end of the F0 scale at about 70 mph.

Ocean County

Laurelton	**13**	**1245EST**			**0**	**0**		**0**	**Thunderstorm Wind**

A severe thunderstorm pulled down wires in Brick Township.

Monmouth County

Allenwood	**13**	**1245EST**			**0**	**0**		**0**	**Lightning**

A thunderstorm caused numerous power outages in Wall Township. Farther south in neighboring Ocean County, the same thunderstorm pulled down wires in Brick Township.

Atlantic County

Smithville	**13**	**1315EST**			**0**	**0**		**0**	**Thunderstorm Wind**

A severe thunderstorm blew over a shed and knocked down several trees that blocked one roadway in Galloway Township.

Burlington County

New Gretna	**13**	**1315EST**			**0**	**0**		**0**	**Lightning**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEW JERSEY, South and Northwest

Lightning struck and set the roof of a New Gretna house on fire. No injuries were reported.

Ocean County

Toms River	**13**	**1320EST**		**0**	**0**		**0**	**Heavy Rain**

Ocean County

Toms River	**13**	**1320EST**		**0**	**0**		**0**	**Lightning**

Thunderstorms with frequent lightning caused power outages and damage to electrical equipment in Berkeley, Dover and Manchester Townships. Dover Township was hit the hardest with about 1,000 homes and businesses still without that night. The heavy rain that accompanied this thunderstorm also helped cause a roadway to buckle in Toms River.

Burlington County

Pemberton	**13**	**1745EST**		**0**	**0**		**0**	**Thunderstorm Wind**

A severe thunderstorm pulled down several wires in the northwest part of Burlington County. Most of the wind damage occurred around Pemberton.

Camden County

Pennsauken	**13**	**1915EST**		**0**	**0**		**0**	**Thunderstorm Wind**

A severe thunderstorm pulled down wires in Pennsauken.

Gloucester County

Turnersville	**13**	**1915EST**		**0**	**0**	**0**	**0**	**Funnel Cloud**

Two funnel clouds were sighted over Washington Township in Gloucester County. Apparently neither one touched down.

Gloucester County

Turnersville	**13**	**1940EST**		**0**	**0**			**Thunderstorm Wind (G55)**

Gloucester County

Franklinville	**13**	**1950EST**		**0**	**0**			**Thunderstorm Wind (G50)**

While the funnel clouds did not cause any damage, the thunderstorm later that evening produced wind gusts up to 63 mph in Washington Township and uprooted several large trees. It also knocked down wires farther southeast in the county in Franklinville.

Camden County

Cherry Hill	**13**	**1930EST**		**0**	**0**		**0**	**Thunderstorm Wind**

Wires were pulled down by a severe thunderstorm in Cherry Hill.

NJZ008>010-012>026 — Morris - Hunterdon - Somerset - Middlesex - Western Monmouth - Eastern Monmouth - Mercer - Salem - Gloucester - Camden - Burlington - Western Ocean - Cumberland - Western Atlantic - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean

	16	**0900EST**		**0**	**0**			**Excessive Heat**
	17	**1900EST**						

The weekend of August 16th and 17th brought some of the hottest and most humid air of the summer into Central and Southern New Jersey. High temperatures in most places reached well into the 90s, while dew point temperatures (an indication of how humid the air mass is) were as high as the mid 70s. The apparent temperature or heat index on the 16th reached around 110 degrees. The highest temperatures this weekend (on Saturday the 16th for most locations) included 100 degrees in Brick (Ocean County), 99 degrees at the McGuire AFB (Burlington County), 97 degrees in Somerdale (Camden County) and also at the Marina in Atlantic City on the 17th which was a new record, 96 degrees at the Atlantic City International Airport (on the 16th which tied a record) and 95 degrees in New Brunswick (Middlesex County), Mount Holly (Burlington County) and Wertsville (Hunterdon County). The hot spell ended abruptly as a strong cold front moved through the region late on the 17th. No serious heat related illnesses were reported.

Warren County

Millbrook to Phillipsburg	**16**	**1539EST** **1540EST**		**0**	**0**			**Thunderstorm Wind (G52)**

Warren County

Washington	**16**	**1540EST**		**0**	**0**			**Hail (0.75)**

A squall line of severe thunderstorms knocked down trees and power lines throughout the county. But the majority of the wind damage occurred near and along the Delaware River, especially within the Delaware Water Gap National Recreational Area. A measured wind gust of 60 mph along with dime size hail was reported from Washington Borough. Marble size hail was reported in Blairstown and downed wires closed sections of New Jersey State Route 94 within the township. This squall line caused numerous power outages throughout the northern half of New Jersey as falling trees took down electrical wires. About 97,000 GPU customers lost power that day.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEW JERSEY, South and Northwest

Sussex County

Colesville to Stanhope — **16** — **1540EST** / **1605EST** — **1** — **0** — **Thunderstorm Wind (G60)**

A squall line of severe thunderstorms caused widespread tree damage and killed one person in sussex County. Most of the wind damage occurred in the northeast half of the county. Other reports of downed trees in the rest of the county came mainly from Greendell and Stillwater Township. A 64-year-old man was killed by a falling tree outside of his home in Green Township. Franklin Borough was one of the hardest hit locations within the county. A limited state of emergency was declared. New Jersey State Route 23 was closed as were five other major roadways within the borough. Several trees fell on and damaged homes. Siding was ripped from a few homes and a couple of decks and railings were ripped away from other homes. Part of Hardin Lumber's roof was blown away. In addition to the wind damage, the frequent lightning ignited two houses on fire. Sussex Borough was also hard hit and also declared a state of emergency. Six major roads were closed because of fallen trees, some through the 17th. A couple of planes at Sussex County Airport were flipped over. Pieces of these planes were found in the woods. Trees as high as 150 feet were uprooted. In Sparta Township, two major roads were also closed (including County Road 517). Other locations that reported wind damage in the county included Fredon Township, Hopatcong, Lafayette Township, Vernon and Wantage. In Vernon, the damaging winds wreaked havoc at the Vernon Day celebration and scattered debris all over Vernon Crossings Fields. This squall line caused numerous power outages throughout the northern half of New Jersey as falling trees took down electrical wires. About 97,000 GPU customers lost power that day in the northern half of the state. About 16,000 customers in Sussex and Morris Counties still did not have power restored to them on the morning of the 18th. M64UT

Hunterdon County

Frenchtown to Pottersville — **16** — **1555EST** — **0** — **0** — **Thunderstorm Wind (G50)**

Hunterdon County

Flemington — **16** — **1605EST** / **1610EST** — **0** — **1** — **Thunderstorm Wind (G52)**

A squall line of severe thunderstorms knocked down scores of trees and wires throughout Hunterdon County. One tree fell on and seriously injured a person. A SKYWARN Spotter reported a measured wind gust of 60 mph in Flemington. The hardest hit locations included Clinton, Flemington, Glen Gardner, Quakertown, Raritan and Ringoes. This squall line caused numerous power outages throughout the northern half of New Jersey as falling trees took down electrical wires. About 97,000 GPU customers lost power that day.

Morris County

Mt Hope to Gillette — **16** — **1605EST** / **1615EST** — **1** — **0** — **Thunderstorm Wind (G52)**

A squall line of severe thunderstorms caused widespread tree damage, mainly in the northeast half, and killed one person in Morris County. A 53 year-old-male from Denville died of a heart attack after being hospitalized for injuries sustained from being hit by a four foot wide tree limb while retrieving the mail. Morris County was the second hardest hit county in northwest New Jersey this afternoon. There were so many downed wires along New Jersey State Route 10 that it looked like spaghetti to observers. Trees fell across and blocked the southbound lanes of Interstate 287. Mountain Lakes Borough had 36 reports of downed trees. In Montville Township, a 100-year-old tree punched a hole in the roof of one home. In Boonton Township one house was so badly damaged by fallen trees that authorities feared it might have to be condemned. Numerous downed trees and wires were also reported in Chatham, Denville, Montville and Rockaway. This squall line caused numerous power outages throughout the northern half of New Jersey as falling trees took down electrical wires. About 97,000 GPU customers lost power that day and 16,000 customers in Sussex and Morris Counties still did not have power restored on the morning of the 18th. Three thousand of these customers were in Montville Township. M53UT

Somerset County

Branchburg Park — **16** — **1610EST** — **0** — **0** — **0** — **Thunderstorm Wind**

A severe thunderstorm pulled down trees and wires in and around Branchburg. About 35,000 homes and businesses in the Public Service Electric and Gas service area in central New Jersey lost power.

Middlesex County

Edison — **16** — **1635EST** — **0** — **0** — **Thunderstorm Wind (G50)**

Middlesex County

Sayreville to Browntown — **16** — **1644EST** / **1655EST** — **0** — **0** — **Thunderstorm Wind (G50)**

A gust front from a squall line of severe thunderstorms knocked down trees in Edison. As the thunderstorms themselves moved across central Middlesex County, they reintensified and proceeded to cause scattered power outages mainly in the eastern half of the county as they downed more trees and wires. About 35,000 homes and businesses in the Public Service Electric and Gas service area in central New Jersey lost power on the 16th; 4,000 still did not have power restored by the evening of the 17th.

Mercer County

(Ttn)Trenton Arpt — **16** — **1645EST** — **0** — **0** — **0** — **Thunderstorm Wind (G50)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEW JERSEY, South and Northwest

Monmouth County

Holmdel 16 1645EST 1 0 0 **Thunderstorm Wind**

A severe thunderstorm pulled down trees and limbs in Holmdel. A 34-year-old woman was killed when a tree fell down and crushed the vehicle she was driving in at 545 p.m. EDT. F34VE

Monmouth County

Asbury Park 16 2030EST 0 0 15K 0 **Lightning**

Lightning helped ignite a fire in the second story of a two story building in Asbury Park. The lightning apparently struck the roof and the fire smouldered unnoticed for about an hour. The fire did cause moderate damage to the upstairs apartment as well as water damage throughout the building. No one was injured.

Gloucester County

Woodbury 17 2045EST 0 0 75K 0 **Thunderstorm Wind (G64)**

The same severe thunderstorm that caused wind damage in Delaware County and Philadelphia also produced some wind damage in Woodbury. The worst damage occurred on North Evergreen Street as six large trees were either snapped or uprooted. An apartment building on the street was struck by two trees. A recently bought house sustained moderate damage as a 50 foot tall twin trunk tree became embedded in its dormer window. Damage to the home was estimated at $50,000. Trees and wires were also reported down on five other blocks in Woodbury, but the damage was not as severe. No injuries were reported.

Burlington County

Pemberton 17 2100EST 0 0 **Hail (0.75)**

Monmouth County

Neptune 17 2150EST 0 0 0 **Thunderstorm Wind**

A severe thunderstorm pulled down wires in Neptune.

NJZ024>026 Eastern Cape May - Eastern Atlantic - Eastern Ocean

20 2100EST 0 0 **Coastal Flooding**
21 0200EST

Very strong onshore winds coupled with torrential rain, that nearly coincided with high tide along the back bays caused moderate tidal flooding along the barrier islands of Atlantic, Cape May and Ocean Counties. The high tide at Atlantic City on the ocean side peaked at 7.7 feet above mean low water at about 11 p.m. EDT on the 20th. This was a departure of about 2.7 feet above normal. In Cape May County, street flooding was reported in the Wildwoods. In Atlantic County, widespread flooding occurred in Absecon at the intersection of U.S. Routes 9 and 30. This flooded the entire inventory of Ditmare Motor Works and the Absecon True Value Hardware store at that intersection. In Ocean County, moderate flooding was reported from Point Pleasant Beach to Seaside Park. On Long Beach Island, Long Beach Township reported five cars became stuck in the rising water. In Ship Bottom, four roads had to be closed because of tidal flooding. Some roads were also closed in Surf City. Heavy rain made it difficult to differentiate between the tidal and just poor drainage flooding, especially in Atlantic and Ocean Counties. While heavier rain fell inland storm totals along the coast included 6.75 inches in Beach Haven, 6.6 inches in Harvey Cedars, 5.51 inches at the Marina in Atlantic City and 4.55 inches in Margate. In addition to the flooding, some beach erosion did occur in Atlantic City and Cape May City. The erosion was bad enough to totally remove the sand and expose the large rocks that were covered by the previous beach replenishment project in Cape May City.

Cape May County

4 N Woodbine 20 2200EST 0 0 500K **Flood**
21 0200EST

Torrential rain fell across southeast New Jersey as a low pressure system developed over the Delmarva Peninsula and slowly moved northeast across southern New Jersey. A series of thunderstorms developed along this low pressure system's frontal boundaries and trained or moved over the same areas. Cape May County escaped the brunt of the torrential downpours, but Doppler Radar storm total estimates (which worked pretty well with this event) were between 8 to 10 inches across the northwest part of the county. Measured storm totals included 9.16 inches in Belleplain and 6.82 inches in Dennis Township. Rainfall amounts diminished drastically toward the southern end of the county. The storm total estimates were only between 1.0 and 1.5 inches in Cape May City. The torrential downpours caused back pressure for the streams emptying into the Tuckahoe River and subsequently caused 65 feet of Weatherbee Road (or County Road 548) to wash out. Part of County Route 550 in Dennis Township was also closed due to flooding. Repairs to Weatherbee Road cost $485,000.

Cumberland County

Sea Breeze to Cumberland 20 2200EST 0 0 2.1M **Flood**
21 0600EST

Torrential rain fell across southeast New Jersey as a low pressure system developed over the Delmarva Peninsula and slowly moved northeast across southern New Jersey. A series of thunderstorms developed along this low pressure system's frontal boundaries and trained or moved over the same areas. This caused torrential downpours to fall for several hours across southern and eastern parts of Cumberland County. Storm totals included 10.12 inches in Millville, 8 inches in Cedarville and 7.2 inches in Vineland. Doppler Radar storm total estimates showed 8 to 10 inches prevailed across much of Maurice River Township. The torrential rain caused flash flooding of many rivers and streams in spite of the sandy soil.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEW JERSEY, South and Northwest

In Vineland, the heavy rain and flooding along the Menantico Creek washed out two bridges: on Hance Bridge Road (County Route 673) and on Mays Landing Road (County Route 522). The bridges were repaired and reopened about one month later. Large sections of New Jersey State Routes 49 and 55 were closed. In Millville, the Prudential Building had 5 to 6 feet of water in its basement. Five major roads within the city were closed. Sharp Street suffered major erosion. Hankins Pond overflowed and flooded the parking lot of the Millville Senior School. The gage house along the Menantico Creek collapsed. In Maurice River Township, sections of New Jersey State Route 49 were also closed. Total damage was estimated at about 2.1 million dollars. Miraculously, no serious injuries were reported.

Burlington County

New Gretna **20 2230EST** **0** **0** **0** **Flood**
21 0130EST

Torrential rain fell across southeast New Jersey as a low pressure system developed over the Delmarva Peninsula and slowly moved northeast across southern New Jersey. A series of thunderstorms developed along this low pressure system's frontal boundaries and trained or moved over the same areas. This caused torrential rain to fall for several hours across the extreme southeast tip of Burlington County. Doppler Radar storm total estimated 6 to 8 inches of rain fell across the extreme southeast tip of the county. Storm totals decreased quickly farther northwest. Only 3.48 inches of rain fell in Atsion, 3.43 inches in New Lisbon and 1.51 inches in Mount Holly. The torrential rain helped set a new record stage height for the East Branch of the Bass River at New Gretna. The river crested at 7.28 feet. The previous record was 6.36 feet on July 4, 1978. According to the United States Geological Survey, this represents a recurrence interval of greater than 100 years. Miraculously no major damage or injuries occurred.

Atlantic County

Estell Manor to Port Republic **20 2245EST** **0** **0** **54M** **Flash Flood**
21 1000EST

Torrential rain fell across southeast New Jersey as a low pressure system developed over the Delmarva Peninsula and slowly moved northeast across southern New Jersey. A series of thunderstorms developed along this low pressure system's frontal boundaries and trained or moved over the same areas. This caused extremely heavy rain to fall over several hours across eastern parts of Atlantic County. The county bore the brunt of the storm and the flooding with storm totals in excess of 8 inches from Estell Manor through Galloway Township. The storm total at the Atlantic City International Airport of 13.52 inches represented by far a greater than 100 year storm for the area. A 100-year-storm for this area is 7.25 inches. While total damage was estimated at 54 million dollars, miraculously the only injury occurred the afternoon of the 21st when a Galloway Township boy injured his back and neck diving into the flood waters. Several major roadways and bridges collapsed or were completely washed out. The governor declared a state of emergency for the county on the 21st and the county was eventually declared a federal disaster area.

In Galloway Township, the hardest hit area, about 1,100 homes suffered damage. This represented about 10 percent of all the township housing. The most damage was occurred in the Pomona Oaks Development as 75 homes were badly flooded as a drainage pond filled and backed up. The Osprey Court Development was also badly flooded. The Atlantic City Medical Center was closed to emergencies as its first floor and basement were flooded. Emergency personnel pumped out 1.8 million gallons of water from the center. The adjacent Bacharach Rehabilitation Center was also flooded. Flooding also damaged the Absegami High School and several facilities at the Richard Stockton College.

The Atlantic City International Airport was closed at 1230 a.m. EDT on the 21st when power was knocked out to the runways and street flooding closed access to the airport. The airport reopened at 1130 a.m. EDT on the 21st, but had to shut down again at sunset as the runway lights were still not working. The FAA Technical Center was also closed.

In Hamilton Township, three major bridges were closed: The Sugar Hill Bridge on County Road 559, The Gravelly Run Bridge (County Road 559 also) on Ocean Heights Avenue and the bridge between the Lake Lenape Dam and the Great Harbor River. Persons in homes near these bridges were evacuated to a senior citizen center. Working around the clock, the Sugar Hill Bridge was repaired in time for the Labor Day Weekend. The two other bridges were repaired by Late September. Two New Jersey Transit buses and 40 passengers became stuck in the flood waters near the Hamilton Mall and had to be rescued. Five thousand books in the Atlantic Community College were damaged by the flooding. Parts of the Black Horse Pike (U.S. Route 40) were closed because the road washed out. Sections of U.S. Route 40 were also closed in Egg Harbor Township. In Abesecon, a 180 foot section of the New Jersey Transit train track was closed after the gravel bed was washed away. In Pleasantville, the motels around U.S. Routes 30 and 40 were evacuated because of the heavy rain and back bay flooding. Several people had to be rescued from their vehicles. At the water treatment plant pumping station, the sediment rate was above acceptable standards. Even though Atlantic City proper escaped the heavy rain, residents had to boil their tap water for several days to make it potable because the city's reservoir in Egg Harbor Township flooded. The United States Geological Survey Gage on the Tuckahoe River at Head of River reached a new record crest of 9.1 feet. This represented a greater than 100 year recurrence interval.

To put the storm total of 13.52 inches at the Atlantic City International Airport in perspective, the all-time certified 24 hour rainfall record for the state of New Jersey is 14.81 inches in Tuckerton (Ocean County) on August 19, 1939. The 11.12 inches of rain that fell through midnight EST on the 20th, was a new all-time daily record. The previous 24 hour record was 6.46 inches set on July 10, 1949. The 13.52 inches also broke the PREVIOUS ALL-TIME MONTHLY RECORD of 13.09 inches set in July of 1959.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEW JERSEY, South and Northwest

August 1997 would have a new rainfall record of 16.12 inches at the airport. Other storm totals from Atlantic County included 12.7 inches in Mays Landing, 12.6 inches in Estell Manor, and 10.21 inches in Pleasantville.

NJZ025 Eastern Atlantic

	20	**2300EST**	**0**	**0**			**Wind**
	21	**0200EST**					

Strong winds preceding a developing low pressure system caused winds to gust to around 50 mph along the Atlantic County shore. A peak wind gust of 49 mph was reported at the Marina in Atlantic City at 1245 a.m. EDT on the 21st. A tent erected for a revival meeting within the city was destroyed by the wind.

NJZ026 Eastern Ocean

	20	**2330EST**	**0**	**0**			**High Wind (G56)**
	21	**0230EST**					

High wind gusts developed along coastal Ocean County as a low pressure system intensified the night of the 20th. A peak wind gust of 65 mph was reported at Seaside Park. No serious wind related damage was reported.

Ocean County

Tuckerton to Laurelton	**20**	**2330EST**	**0**	**0**	**500K**		**Flash Flood**
	21	**0700EST**					

Torrential rain fell across southeast New Jersey as a low pressure system developed over the Delmarva Peninsula and slowly moved northeast across southern New Jersey. A series of thunderstorms developed along this low pressure system's frontal boundaries and trained or moved over the same areas. This caused extremely heavy rain to fall over several hours especially across southern parts of Ocean County. Doppler Radar storm total estimates in Little Egg Harbor Township were between 8 and 10 inches. Other storm totals included 6.75 inches in Beach Haven, 6 inches in Tom's River and 4.75 inches in East Dover. Miraculously no serious injuries were reported.

Little Egg Harbor Township, especially on Mystic Island, reported the worst flooding in the county. Vehicles were floating down the streets. About 60 persons had to be evacuated to the Pinelands Middle School. About half of them were boy scouts in the Sea Pirate Campground. Emergency personnel responded to 225 calls for help. Lake Pohatcong overflowed and flooded U.S. Route 9 with 4 to 5 feet of water. In Tuckerton, emergency personnel also responded to numerous calls for help. Flooding was particularly bad along South Green and Center Streets. In Stafford Township, several streets were impassable in the Ocean Acres and Beach Haven West neighborhoods. Even an ambulance became stuck in flood waters. In Dover Township, a home under construction collapsed because of the heavy rain and strong winds. Damage was estimated at $200,000. In Brick Township, water punched a hole through a berm around a retention basin and undermined road work along Brick Boulevard. The most harrowing experience of the night was felt by a three boat party of 13 persons that were anchored near Little Egg Harbor. As the winds increased, one boat broke away from its anchor and the three adults and two children aboard the "Little Lou" were tossed by strong waves without any radio contact. The boat grounded on a sandbar and they were rescued about three hours later.

NEW MEXICO, Central and North

San Miguel County

Trujillo	**01**	**2030MST**	**0**	**0**	**150K**		**Flash Flood**

Heavy rain in central San Miguel county produced rock and mud slides which closed Highway 104 about 15 miles west of Trujillo and washed away much of the road material along a 2.6 miles stretch of County Road C-51-A near Trujillo. Several homes in Trujillo were also flooded by runoff.

Santa Fe County

15 NE Santa Fe	**03**	**1130MST**	**1**	**2**			**Lightning**

A 41 year old man hiking near the summit of Santa Fe Baldy (12600 ft) was killed by lightning. The man's 12 year old son and another hiker were knocked down by the lightning but only slightly injured.
M41OU

San Juan County

Aztec	**04**	**1600MST**	**0**	**0**			**Flash Flood**
		1800MST					

Three to 6 inches of mud and debris covered parts of Highway 550 in Aztec following heavy rain of 1 to 2 inches on the mesa above town near the airport. Several other city streets were temporarily closed by the runoff.

Sandoval County

Rio Rancho	**05**	**1400MST**	**0**	**0**	**5K**		**Flash Flood**
		1430MST					

Several cinder block fences collapsed under the pressure of storm water runoff in the Vista Hills neighbourhood in Rio Rancho.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEW MEXICO, Central and North

Santa Fe County

4 N Pojoaque	**06**	**1800MST 2000MST**			**0**	**0**	**250K**		**Flash Flood**

Roads and bridges were damaged during heavy rain near the village of Arroyo Seco.

Guadalupe County

Newkirk	**10**	**1915MST**			**0**	**0**	**1K**		**Thunderstorm Wind**

Trees and porch coverings were damaged by thunderstorm winds.

Harding County

18 NE Roy	**11**	**1739MST**			**0**	**0**			**Hail (1.00)**

NMZ019 Chaves County Plains

	12	**1545MST**			**0**	**0**	**30K**		**High Wind (G45)**

A dust devil ripped the roof off a storage building at a lumber yard. Debris also damaged a truck.

Torrance County

15 SW Clines Corners	**12**	**1800MST 2200MST**			**0**	**0**			**Flash Flood**

A persistent thunderstorm produced heavy rain of 3 to 4 inches in less than 4 hours across open range in central Torrance county.

Lincoln County

Corona	**17**	**1900MST 2030MST**			**0**	**0**			**Heavy Rain**

A thunderstorm produced heavy rain and copious small hail less than 1/2 inch in diameter which piled up 6 to 12 inches in Corona.

Chaves County

4 NE Roswell to 6 NE Roswell	**17**	**2200MST 2210MST**			**0**	**0**			**Hail (1.75)**

Chaves County

4 NE Roswell to 6 NE Roswell	**17**	**2200MST 2210MST**			**0**	**1**	**750K**		**Thunderstorm Wind (G75)**

A late night thunderstorm developed over southern Chaves county and then moved north just east of Roswell producing golfball size hail and a brief but intense microburst just northeast of the city. Four trailer homes and several small barns were overturned or destroyed during 5 to 10 minutes of winds estimated at 70 to 80 mph. Four other mobile homes, plus 5 brick and frame homes suffered damage to south and east facing patio covers and roof edges. Hail and flying debris damaged a number of cars and trucks. One 26 year old female was trapped for about 40 minutes in an overturned trailer, but escaped with only minor injuries. The extensive debris from the trailers and the late night hours confused local authorities who initially reported a tornado. A field survey confirmed only damage and debris patterns consistent with a microburst that covered an area 1/2 mile wide and 1 1/2 miles long.

De Baca County

5 E Ft Sumner to Ft Sumner	**18**	**0200MST 0330MST**			**0**	**0**			**Flash Flood**

Water climbed to 5 feet deep in low water crossings and closed roads east of Ft Sumner and produced heavy street flooding within the city.

San Miguel County

7 S Las Vegas	**20**	**1339MST**			**0**	**0**			**Hail (0.75)**

Quay County

4 E Ragland	**20**	**2210MST**			**0**	**0**			**Flash Flood**

Highway 209 was closed by flooding east of Ragland.

Torrance County

Moriarty	**22**	**1743MST**			**0**	**0**			**Funnel Cloud**

Spotters reported a funnel cloud near Moriarty.

Torrance County

3 S Estancia	**22**	**2005MST**			**0**	**0**			**Flash Flood**

Highway 41 was closed for several hours by flooding south of Estancia.

Chaves County

Hagerman	**22**	**2135MST**			**0**	**0**			**Hail (0.75)**

Chaves County

Hagerman	**22**	**2210MST**			**0**	**0**			**Flash Flood**

Heavy rain, which closed a section of Highway 285, and hail to dime size were reported near Hagerman.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEW MEXICO, Central and North

Mckinley County

Whitewater	**23**	**1900MST**			**0**	**2**			**Lightning**

A 30 year old female and 10 year old male suffered minor injuries from a lightning strike.

Santa Fe County

2 N Stanley	**23**	**1925MST**			**0**	**0**			**Hail (1.00)**

Lincoln County

Nogal	**24**	**1310MST**			**0**	**0**			**Hail (0.75)**

Colfax County

15 SE Raton	**25**	**1500MST**			**0**	**0**			**Hail (0.75)**

Small hail, some to dime size, covered Highway 87 to three inches deep.

San Juan County

12 SW Bloomfield	**26**	**1700MST**			**0**	**0**			**Flash Flood**

Flash flooding was reported at the Navajo Irrigation Project headquarters.

San Juan County

Carson	**26**	**1805MST**			**0**	**0**			**Flash Flood**

Heavy rain flooded rural roads and Highway 44 near Carson.

Colfax County

Raton	**29**	**1435MST**			**0**	**0**			**Hail (0.75)**

NEW MEXICO, South Central and Southwest

Dona Ana County

Las Cruces	**01**	**1550MST** **1630MST**			**0**	**0**			**Flash Flood**

A severe thunderstorm produced an estimated two inches of rain, significant street flooding, and downed a number of trees in the urban area. In addition, the public reported 3/4 inch hail in the downtown area.

Dona Ana County

Las Cruces	**01**	**1550MST** **1630MST**			**0**	**0**			**Hail (0.75)**

Hidalgo County

Lordsburg	**01**	**1900MST** **1930MST**			**0**	**0**			**Thunderstorm Wind (G65)**

Considerable damage resulted from thunderstorm winds in the vicinity of Lordsburg. Damage included several storage buildings destroyed and a power outage which lasted several hours due to a downed power pole.

Grant County

Faywood	**05**	**1930MST** **2130MST**			**0**	**0**			**Flash Flood**

A strong thunderstorm produced locally heavy rainfall resulting in a flash flood which temporarily closed New Mexico Highway 61 northeast of the Faywood.

Grant County

Pinos Altos	**24**	**1300MST** **1400MST**			**0**	**0**			**Flash Flood**

A strong thunderstorm produced heavy rain north of Pinos Altos resulting in the washout of New Mexico Highway 15.

NEW MEXICO, Southeast

Eddy County

2 NW Carlsbad	**11**	**1633MST**			**0**	**0**	**1K**		**Thunderstorm Wind (G56)**

A multicell storm with wet downbursts downed trees in Carlsbad. Winds within one mile of the trees were clocked at 64 mph.

Lea County

Lovington	**12**	**1530MST** **1830MST**			**0**	**0**			**Flash Flood**

Heavy rains in and around the Lovington area caused localized flash flooding in the late afternoon and evening.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEW MEXICO, Southeast									
Lea County									
30 WNW Jal	**12**	**1830MST 2200MST**			**0**	**0**			**Flash Flood**
Eddy County									
20 E Loving	**12**	**1930MST 2230MST**			**0**	**0**			**Flash Flood**
Heavy tropical rains caused flooding on State Highway 128 near the Eddy/Lea County line.									
Lea County									
7 NNW Hobbs	**12**	**1930MST**			**0**	**0**	**3K**		**Lightning**
Lightning struck the chimney of a house north of Hobbs and caused damage to both the interior and exterior of the house. One side of the upper portion of the chimney was blown off as the bolt struck there. The bolt also travelled along the inside of the chimney and blew out the front of the fireplace sending soot and ashes into the living room. With the lightning never connecting to any utility lines, the power and telephone service were never interrupted.									
Eddy County									
Malaga	**22**	**1815MST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Downbursting winds from a thunderstorm ripped a metal roof off a 15x30 ft storage building.									
NEW YORK, Central									
NYZ062	**Sullivan**								
	01 31	**0000EST 2359EST**			**0**	**0**		**200K**	**Drought**
A very dry summer finally culminated in major crop failures come harvest time towards the end of August. Sweet corn and tomatoes, two of the major money making crops for small farmers in Sullivan county, appeared to suffer some of the worst damage. According to figures from some of the individual farmers themselves and also the New York State Agricultural Extension Service, losses nearing a quarter of a million dollars were tallied. Financial assistance was granted in many cases. Precipitation figures across the region averaged less than 30% of normal for the period from June 1st to the end of August. At long last, a couple of more significant rainfall events began to ease the situation at the very end of August.									
Sullivan County									
Lake Huntington to Monticello	**16**	**1550EST 1610EST**			**0**	**0**	**25K**		**Thunderstorm Wind**
The line of severe thunderstorms that caused widespread damage across northeast Pennsylvania moved across the Delaware River and into Sullivan county. Wind damage in the form of downed trees and power lines was reported in many localities across the middle part of the county.									
Oneida County									
Sylvan Beach to Camden	**22**	**1120EST 1125EST**			**0**	**0**	**10K**		**Tstm Wind/Hail**
An isolated severe thunderstorm developed over northwestern sections of the county. The cell produced dime to nickel sized hail in the towns of Sylvan Beach and Lee Center. Strong gusty winds also downed a couple of trees in the town of Camden.									
Otsego County									
Middlefield to Cherry Vly	**22**	**1412EST 1420EST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Another isolated severe thunderstorm popped up over eastern portions of the county. Strong gusty winds downed trees and power lines in the towns of Middlefield and Cherry Valley.									
NEW YORK, Coastal									
Orange County									
Bullville	**05**	**1430EST**			**0**	**0**			**Hail (1.00)**
Westchester County									
Yonkers	**05**	**1628EST**			**0**	**0**			**Hail (0.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEW YORK, Coastal									
Nassau County									
Mineola to Valley Stream	**05**	**1725EST 1744EST**			**0**	**0**			**Hail (0.88)**
Queens County									
Queens	**05**	**1730EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Nassau County									
North Massapequa	**05**	**1757EST**			**0**	**0**			**Hail (0.88)**
Richmond County									
New Dorp to Oakwood Beach	**05**	**1900EST**			**0**	**0**			**Thunderstorm Wind (G50)**

Scattered severe thunderstorms moved southeast across the area. They produced large hail and heavy rain.

Two severe thunderstorms produced high winds: one across Richmond County and one over Queens County. High winds downed power lines from New Dorp to Oakwood Beach in Richmond County. In addition, high winds downed trees and power lines in Queens.

Orange County									
Warwick to Stewart Airport	**16**	**1620EST 1631EST**			**0**	**0**			**Thunderstorm Wind (G55)**
Rockland County									
Countywide	**16**	**1627EST 1658EST**			**0**	**0**			**Thunderstorm Wind (G50)**
New York County									
Central Park	**16**	**1633EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Queens County									
Laguardia Airport	**16**	**1641EST**			**0**	**0**			**Thunderstorm Wind (G52)**
Westchester County									
Yorktown Hgts	**16**	**1650EST**			**0**	**3**			**Thunderstorm Wind (G50)**
Bronx County									
Pelham Bay Park	**16** F55OU	**1705EST**			**1**	**2**			**Thunderstorm Wind (G50)**
Putnam County									
Carmel	**16**	**1705EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Nassau County									
North Massapequa to Garden City	**16**	**1710EST 1730EST**			**0**	**1**			**Thunderstorm Wind (G50)**
Suffolk County									
North Babylon to Babylon	**16**	**1718EST 1721EST**			**0**	**0**			**Thunderstorm Wind (G56)**

A line of severe thunderstorms moved rapidly east across the area. Thunderstorms produced high winds that downed numerous trees and powerlines. In addition to causing property damage, thunderstorms were directly responsible for the cause of 1 death and 6 injuries.

In Orange County, high winds downed trees in Warwick and Middletown. A 63 mph peak wind gust was recorded at Stewart Airport.

In Rockland County, high winds downed numerous trees and power lines across the entire county.

In Manhattan, a roof blew off and landed on train tracks at the 125th Street Broadway Subway Station. A 58 mph peak wind gust was measured at Central Park.

Across Westchester County, high winds downed numerous trees in Yorktown Heights and across several other locations countywide.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEW YORK, Coastal

In the Bronx, high winds downed a tree that crushed and killed a woman and seriously injured her two children.

In Nassau County, high winds overturned a boat in Oyster Bay. A man and woman fell overboard. The man was injured, but later rescued. Unfortunately, the woman was accidently run-over by a power boat and later died. A 58 mph wind gust was reported in North Massapequa. High winds downed numerous trees and powerlines in Garden City.

Over Suffolk County, a 60 mph wind gust was reported in North Babylon and a 65 mph gust was reported in Babylon.

Westchester County

Peekskill	**16**	**2330EST**			**0**	**0**			**Flash Flood**

Thunderstorms produced heavy rain that resulted in flooding of roads in Peekskill and other areas across Northern Westchester County. Police reported up to 4 feet of water on some roads.

Bronx County

Countywide	**20**	**1300EST**			**0**	**0**			**Heavy Rain**
	21	**0500EST**							

Kings County

Countywide	**20**	**1300EST**			**0**	**0**			**Heavy Rain**
	21	**0500EST**							

New York County

Countywide	**20**	**1300EST**			**0**	**0**			**Heavy Rain**
	21	**0500EST**							

Queens County

Countywide	**20**	**1300EST**			**0**	**0**			**Heavy Rain**
	21	**0500EST**							

Richmond County

Countywide	**20**	**1300EST**			**0**	**0**			**Heavy Rain**
	21	**0500EST**							

Nassau County

Countywide	**20**	**1400EST**			**0**	**0**			**Heavy Rain**
	21	**0600EST**							

Suffolk County

Countywide	**20**	**1500EST**			**0**	**0**			**Heavy Rain**
	21	**0800EST**							

A low pressure system developed over the lower Midwest on Wednesday, August 20th. As it moved slowly east-northeast, it intensified. It passed just south of Long Island during Thursday morning.

The low produced heavy rain and strong gusty winds.

Here are selected rainfall amounts for:

New York City: 3.10 inches at Kennedy Airport in Queens and Graves End in Kings County.
1.21 inches at Central Park in Manhattan.
1.11 inches at LaGuardia Airport in Queens.

Nassau County: 3.36 inches at Lynbrook and 2.88 inches at North Massapequa.

Suffolk County: 1.63 inches at Islip Airport, 1.56 inches at Bridgehampton, and 1.14 inches at the NWS Upton Office.

East to southeast winds averaged 15 to 25 mph with gusts over 30 mph.

Nassau County

Freeport to	**20**	**2100EST**			**0**	**0**			**Coastal Flood**
Massapequa	**21**	**1000EST**							

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NEW YORK, Coastal

Suffolk County

Babylon to Southampton	**20 21**	**2300EST 1200EST**			**0**	**0**			**Coastal Flood**

A low pressure system developed over the lower Midwest on Wednesday, August 20th. As it slowly intensified, it moved east-northeast across Pennsylvania, passing just south of Long Island during Thursday morning.

East to southeast winds increased over the area during Wednesday evening. Sustained wind speeds reached 44 knots at the Ambrose Light Tower at 3 am on August 21st and 29 knots from 11 pm on August 20th through 4 am on the 21st at Bouy 44025 (about 20 miles south of Fire Island Inlet). Over land, wind speeds ranged from 15 to 25 mph with gusts over 30 mph.

Strong east to southeast winds combined with astronomical high tides caused tidal piling that resulted in moderate coastal flooding across parts of coastal Long Island during two high tide cycles.

During the first high tide Wednesday evening, parts of the town of Freeport were under 3 1/2 feet of water. Street flooding was also reported in Massapequa.

During the second high tide Thursday morning, a stretch of Harbor Beach Road in Mount Sinai (north shore of Suffolk County), was submerged under at least 2 feet of water. About 50 people were stranded on the Cedar Beach peninsula for about 4 hours. Street flooding was reported in Port Jefferson. Coastal flooding was also reported across parts of the south shore of Suffolk County extending from Babylon east to Southampton.

This storm also brought heavy rain to the area. Rainfall amounts generally ranged from 1 to 3 inches.

NEW YORK, East

Ulster County

Lake Hill	**05**	**1531EST**			**0**	**0**			**Hail (0.75)**

Ulster County

Woodstock	**05**	**1535EST**			**0**	**0**			**Hail (0.75)**

On August 5, an isolated severe thunderstorm produced hail in a couple of locations in northern Ulster County.

Montgomery County

Glen	**13**	**1540EST**			**0**	**0**	**15K**		**Thunderstorm Wind**

Albany County

Colonie	**13**	**1700EST**			**0**	**0**	**2K**		**Thunderstorm Wind**

On August 13, isolated severe thunderstorms occurred in Albany and Montgomery Counties. Thunderstorm winds downed several trees at Colonie in Albany County and a roof was blown off a barn at Glen in Montgomery County.

Ulster County

Olivebridge	**16**	**1615EST**			**0**	**0**	**6K**		**Thunderstorm Wind**

Dutchess County

Fishkill	**16**	**1650EST**			**0**	**0**	**4K**		**Thunderstorm Wind**

During the afternoon of August 16, isolated severe thunderstorms occurred in Ulster and Dutchess Counties. Thunderstorm winds downed trees and power lines at Olive Bridge in Ulster County and at Fishkill in Dutchess County. Approximately 2,000 customers lost power.

Ulster County

Hurley	**22**	**1505EST**			**0**	**0**	**1K**		**Thunderstorm Wind**

Fulton County

Perth	**22**	**1540EST**			**0**	**0**			**Hail (0.75)**

Columbia County

Ancram	**22**	**1545EST**			**0**	**0**			**Hail (0.75)**

Columbia County

Copake	**22**	**1555EST**			**0**	**0**	**5K**		**Hail (1.75)**

Fulton County

Broadalbin	**22**	**1605EST**			**0**	**0**	**1K**		**Hail (0.88)**

Saratoga County

Galway	**22**	**1645EST**			**0**	**0**			**Hail (0.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEW YORK, East									
Saratoga County									
Saratoga Spgs	**22**	**1700EST**			**0**	**0**	**25K**		**Thunderstorm Wind**
Saratoga County									
Saratoga Spgs	**22**	**1707EST**			**0**	**0**			**Hail (0.75)**
Saratoga County									
Saratoga Spgs	**22**	**1725EST**			**0**	**0**	**3K**		**Hail (0.88)**
Saratoga County									
Saratoga Spgs	**22**	**1735EST**			**0**	**0**	**2K**		**Hail (0.88)**
Greene County									
Leeds	**22**	**1755EST**			**0**	**0**			**Hail (0.75)**
On August 22, a deep upper level low was located over the lower Great Lakes region. Afternoon thunderstorms produced hail in Fulton, Columbia and Saratoga Counties. Golf ball size hail was reported at Copake in Columbia County. At Saratoga Springs, hail covered the ground in many areas and two trucks were crushed when a large branch was downed by the wind. Thunderstorm winds also downed trees in Ulster and Saratoga Counties.									
Herkimer County									
Salisbury Center	**27**	**1605EST**			**0**	**0**	**6K**		**Thunderstorm Wind**
Fulton County									
Stratford	**27**	**1620EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Fulton County									
Caroga Lake	**27**	**1653EST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Fulton County									
Bleecker	**27**	**1710EST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Fulton County									
Broadalbin	**27**	**1730EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
On August 27, severe thunderstorms tracked across parts of Herkimer and Fulton Counties. At Salisbury Center in Herkimer County, thunderstorm winds downed trees, large limbs and wires. In Fulton County, thunderstorm winds downed trees in several locations.									
Albany County									
Berne	**28**	**1410EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
An isolated severe thunderstorm downed several trees at Berne in Albany County.									
NEW YORK, North									
St. Lawrence County									
Ogdensburg	**02**	**2330EST 2335EST**			**0**	**0**	**10K**		**Hail (0.75)**
Trees and power lines were blown down in addition to the hail.									
Clinton County									
West Plattsburg	**03**	**0015EST 0020EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
A cold front moved across northern New York during the early morning hours of August 3, 1997. The associated thunderstorm winds resulted in trees and power lines blown down.									
Clinton County									
Schuyler Falls	**03**	**0015EST 0020EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
A cold front moved across northern New York during the early morning hours of August 3, 1997. Associated thunderstorm winds resulted in trees and power lines blown down.									
St. Lawrence County									
Heuvelton	**13**	**0745EST 0830EST**			**0**	**0**	**50K**	**10K**	**Lightning**
A thunderstorm complex caused a lightning strike which killed about 15 cattle, caused structural damage and destroyed numerous bales of hay.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEW YORK, North									
St. Lawrence County									
Hammond	**16**	**1715EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
St. Lawrence County									
Canton	**16**	**1720EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
St. Lawrence County									
Oswegatchie	**16**	**1725EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Franklin County									
Saranac Lake	**16**	**1832EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
An area of low pressure moved across southern Quebec on Saturday, August 16, 1997 while the associated cold front moved into northern New York Saturday evening, August 16, 1997. Thunderstorms moved across the area with heavy rain and locally strong winds. Trees and power lines were blown down in Hammond, Canton and Oswegatchie in St. Lawrence County NY and at Saranac Lake in Franklin County NY.									
Clinton County									
Churubusco	**22**	**1610EST 1615EST**			**0**	**0**	**10K**		**Hail (1.75)**
Clinton County									
Beekmantown	**22**	**1648EST**			**0**	**0**			**Hail (0.88)**
Clinton County									
West Plattsburg	**22**	**1658EST**			**0**	**0**			**Hail (0.75)**
An unstable atmosphere across the region associated with an upper level low over the Great Lakes resulted in numerous thunderstorms with many reports of hail.									
Essex County									
Mineville	**26**	**1525EST 1530EST**			**0**	**0**			**Hail (0.75)**
Scattered afternoon thunderstorms developed across portions of northeast New York with locally heavy rain and hail. In Essex County of New York, hail 3/4 inch in diameter was reported in Mineville , NY, while hail 1/2 inch in diameter was reported in Witherbee, NY.									
Franklin County									
Gabriels	**28**	**1252EST**			**0**	**0**			**Tstm Wind/Hail**
A cold front moved across northern New York during the late morning and early afternoon hours. Heavy rain and locally some hail accompanied a few of the thunderstorms with this front. Pea size hail was reported in Gabriels, NY (Franklin County).									
Clinton County									
3 E Plattsburgh	**28**	**1320EST**			**0**	**0**			**Hail (0.88)**
A cold front moved across northern New York during the late morning and early afternoon hours. Heavy rain and locally large hail accompanied a few of the thunderstorms with this front. The Grand Isle ferry reported wind gust to 43 knots and nickle size hail in the New York waters of Lake Champlain, approximately 3 miles East of Plattsburgh, NY. In addition, the power was knocked out at the Cumberland Head, NY landing site of the ferry. Pea size hail was also reported in Peru, NY (Clinton County) at 1302 EST.									
NEW YORK, West									
Chautauqua County									
Silver Creek	**16**	**1100EST**			**0**	**0**	**15K**		**Thunderstorm Wind**
Chautauqua County									
Dunkirk	**16**	**1130EST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Cattaraugus County									
Otto	**16**	**1135EST**			**0**	**0**	**25K**		**Thunderstorm Wind**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NEW YORK, West									
Cattaraugus County									
East Otto	**16**	**1155EST**			**0**	**0**	**15K**		**Thunderstorm Wind**
Cattaraugus County									
Olean	**16**	**1220EST**			**0**	**0**	**17K**		**Thunderstorm Wind**
Allegany County									
Little Genesee	**16**	**1300EST**			**0**	**0**	**8K**		**Thunderstorm Wind**
Thunderstorms developed in warm unstable air during the early afternoon hours. The thunderstorms produced strong winds which downed trees and power lines. Widespread power outages were reported in Cattaraugus county.									
Chautauqua County									
Lakewood	**16**	**1730EST**			**0**	**0**	**35K**		**Thunderstorm Wind**
Severe thunderstorms accompanied a cold front which crossed the region. The strong storms downed trees and power lines and poles. A large downed tree crushed an automobile and damaged a garage.									
Lewis County									
Croghan	**16**	**1730EST**			**0**	**0**	**12K**		**Thunderstorm Wind (G50)**
NORTH CAROLINA, Central									
Harnett County									
Angier	**05**	**1610EST** **1615EST**			**0**	**0**	**50K**		**Hail (1.75)**
Johnston County									
Benson to Bentonville	**05**	**1615EST** **1640EST**			**0**	**0**	**200K**	**5M**	**Hail (2.75)**
Johnston County									
Benson to Bentonville	**05**	**1615EST** **1640EST**			**0**	**0**			**Thunderstorm Wind (G50)**
A LARGE SEVERE THUNDERSTORM PRODUCED A SUSTAINED PERIOD OF DOWNBURST WINDS AND HAIL. THE DAMAGE PATH WAS 25 MILES LONG AND UP TO 2 MILES WIDE. IT EXTENDED FROM ANGIER...THROUGH BENSON THEN OVER TO BENTONVILLE. MANY FIELDS OF CORN, TOBACCO, AND BEANS WERE LEFT WITH ONLY STALKS STANDING. . MANY DOZENS OF TREES WERE EITHER SNAPPED OR UPROOTED. ALL TREES FELL TO THE SOUTH OR SOUTHEAST. DAMAGE SURVEYS SHOWED THAT 15 MANUFACTURED HOMES, FOUR SITE BUILD HOMES, AND THREE OUTBUILDINGS DAMAGED.									
Warren County									
Inez to 1 SE Inez	**05**	**1612EST**			**0**	**0**		**1.8M**	**Hail (1.75)**
A LARGE SEVERE THUNDERSTORM PRODUCED COPIOUS AMOUNTS OF LARGE HAIL. CROP DAMAGE WAS SEVERE FROM INEZ TO OLD BETHLEHEM, ALONG SR 1640. IN MANY TOBACCO FIELDS, NOTHING REMAINED EXCEPT STALKS, SOME OF WHICH HAD BEEN BROKEN BY THE FORCE OF THE HAIL AND WIND. SEVERAL INCHES OF HAIL ACCUMULATED ON THE GROUND AND HAIL WAS STILL VISIBLE IN DITCHES THE NEXT MORNING!									
Warren County									
Inez to 1 SE Inez	**05**	**1612EST**			**0**	**0**	**50K**		**Thunderstorm Wind (G50)**
A LARGE SEVERE THUNDERSTORM PRODUCED A DOWNBURST ALONG A MILE STRETCH OF SR 1640, FROM INEZ TO BETHLEHEM. TWO MOBILE HOMES WERE DESTROYED, 12 OTHER DWELLINGS WERE DAMAGED. ONE MOBILE HOME WAS BLOWN OFF ITS FOUNDATION AND ROLLED OVER THREE TIMES. SR 1640 WAS BLOCKED BY NUMEROUS FALLEN TREES.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

NORTH CAROLINA, Central

Halifax County

5 SE Essex **05** **1615EST** **0** **0** **Hail (1.00)**

Wayne County

Goldsboro **18** **1500EST** **0** **0** **6K** **Lightning**

LIGHTNING HIT THE SAINT MARY CONVENT AROUND 4 PM. THE CHIMNEY AND ROOF WERE DAMAGED. BRICKS FROM THE CHIMNEY FELL ON THREE CARS.

Davidson County

Southmont **20** **1500EST** **0** **2** **Lightning**

TWO FIREFIGHTERS WERE STRUCK BY LIGHTNING WHILE RESPONDING TO A HOME ALARM SET OFF BY ANOTHER BOLT. BOTH MEN WERE TAKEN TO THE LEXINGTON MEMORIAL HOSPITAL, TREATED, THEN RELEASED.

Granville County

Oxford **20** **1305EST** **0** **0** **Thunderstorm Wind (G50)**

SEVERAL TREES AND POWER LINES WERE DOWNED JUST EAST OF OXFORD NEAR THE VANCE COUNTY LINE.

Vance County

Henderson **20** **1315EST** **0** **0** **75K** **Thunderstorm Wind (G60)**

THE NCNB BANK SUSTAINED ROOF DAMAGE. SEVERAL PLATE GLASS WINDOWS IN THE BUSINESS SECTION WERE BLOWN OUT. THE WIND GUSTED TO 73 MPH AT THE SCHOOL NETWORK SITE AT HENDERSON MIDDLE SCHOOL. NUMEROUS TREES WERE UPROOTED OR SNAPPED OFF.

Warren County

Wise **20** **1400EST** **0** **0** **Thunderstorm Wind (G50)**

TREES WERE BLOWN DOWN IN WISE. TREES AND POWER LINES WERE ALSO REPORTED DOWN IN OTHER SECTIONS OF THE COUNTY...INCLUDING WARRENTON.

Franklin County

7 E Louisburg **20** **1420EST** **0** **0** **Thunderstorm Wind (G50)**

TREES DOWN AND DAMAGE TO TOBACCO CROP....BY WIND AND HAIL.... IN THE EDWARDS BEST COMMUNITY. TREES ALSO DOWN ON LONG MILL ROAD.

Anson County

Burnsville **25** **1545EST** **0** **0** **10K** **Lightning**

A LIGHTNING BOLT HIT A HOUSE IN THE BURNSVILLE COMMUNITY. THE ROOF AND A ROOM WERE SEVERELY BURNED.

Guilford County

Greensboro **25** **1645EST** **0** **0** **Hail (0.75)**

DIME SIZE HAIL WAS REPORTED BY THE SHERIFFF ON LEE CHAPEL ROAD.

Stanly County

Countywide **28** **1550EST** **0** **0** **15K** **Lightning**

LIGHTNING HIT SEVERAL FARM BUILDINGS IN THE COUNTY. MOST OF THE BUILDINGS WERE IN THE LOCUST AND STANFIELD AREAS. AT LEAST THREE OUTBUILDINGS WERE HIT AND DESTROYED.

Stanly County

Locust **28** **1550EST** **0** **0** **Thunderstorm Wind (G50)**

TREES AND POWER LINES WERE BLOWN DOWN IN LOCUST.

NORTH CAROLINA, Central Coastal

Onslow County

2 SW Catherine Lake **05** **1635EST** **0** **0** **Hail (1.00)**

Duplin County

Beautancus **05** **1740EST** **0** **0** **Thunderstorm Wind (G50)**

Trees down on Friendship Church Road.

Jones County

4 N Trenton **05** **1740EST** **0** **0** **Thunderstorm Wind (G50)**

Trees down between Trenton and Cove City.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NORTH CAROLINA, Central Coastal									
Craven County									
Cove City	**05**	**1745EST**			**0**	**0**			**Hail (0.88)**
Duplin County									
Albertson	**05**	**1750EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Trees down intersection of Routes 11 and 111.									
Craven County									
New Bern	**05**	**1755EST**			**0**	**0**			**Hail (0.88)**
Lenoir County									
3 E Sandy Bottom	**05**	**1815EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Numerous trees down along Highway 11 near Route 55.									
Washington County									
Roper	**18**	**1430EST**			**0**	**0**			**Hail (0.75)**
Beaufort County									
1 W Yeatesville	**18**	**1545EST**			**0**	**0**			**Hail (0.88)**
Dare County									
10 N Rodanthe to Oregon Inlet	**18**	**1545EST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Campers overturned by a thunderstorm wind gust. Coast Guard station nearby measured a peak gust of 53 mph.									
Onslow County									
Swansboro	**18**	**1612EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Trees down on Hammocks Beach Road.									
Pamlico County									
Alliance	**18**	**1623EST**			**0**	**0**			**Hail (1.00)**
Greene County									
4 SW Snow Hill	**20**	**1840EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Trees down between Snow Hill and Jason.									
Greene County									
4 S Walstonburg	**20**	**1845EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Tree down on Overtree Road between Walstonburg and Snow Hill.									
Lenoir County									
Deep Run	**20**	**1955EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Numerous trees down at a residence.									
Craven County									
5 S Vanceboro	**20**	**2035EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Numerous trees down between Vanceboro and New Bern.									
NORTH CAROLINA, Extreme Southwest									
NONE REPORTED.									
NORTH CAROLINA, North Coastal									
Currituck County									
Aydlett	**05**	**1638EST**			**0**	**0**			**Hail (1.25)**
NORTH CAROLINA, Northwest and North Central									
Rockingham County									
3 WSW Midway	**13**	**1445EST**			**0**	**0**	**50K**		**Lightning**
A lightning strike from a thunderstorm during the afternoon hours on the 14th started a house fire which resulted in $50,000 in damage.									
Watauga County									
Matney	**17**	**1730EST**			**0**	**0**	**0**		**Thunderstorm Wind**
Thunderstorm winds during the evening hours on the 17th knocked down trees and power lines in Matney.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NORTH CAROLINA, South Coastal									
Columbus County									
Tabor City	**05**	**1335EST**			**0**	**0**			**Hail (0.75)**
	Reported by public								
Columbus County									
Nakina	**05**	**1400EST**			**0**	**0**			**Hail (2.50)**
		1405EST							
	Reported by Nakina Fire Department								
Brunswick County									
Calabash	**05**	**1415EST**			**0**	**0**			**Hail (1.50)**
		1418EST							
Brunswick County									
Shallotte	**05**	**1440EST**			**0**	**0**			**Hail (0.75)**
		1443EST							
Brunswick County									
Seaside	**05**	**1500EST**			**0**	**0**	**25K**		**Tstm Wind/Hail**
		1510EST							
	1 3/4 inch hail and 64 MPH wind gust reported at Ocean Isle Beach, about 3 se of Seaside								
Bladen County									
Kelly	**05**	**1505EST**			**0**	**0**	**30K**		**Tstm Wind/Hail**
		1515EST							
	Numerous trees down and 1 inch hail reported by county sheriff, damage to 10 structures								
Pender County									
Penderlea to Watha	**05**	**1556EST**			**0**	**0**	**1M**	**2.8M**	**Tstm Wind/Hail**
		1610EST							
	During the afternoon of 8/5/97 a line of thunderstorms developed ahead of a cold front and moved rapidly east across portions of Columbus, Bladen, Brunswick and Pender Counties of Southeast North Carolina. Numerous reports of downed trees and power lines were received. Hail reports ranged from 3/4 of an inch at several locations to 1 3/4 inch at Ocean Isle Beach in Brunswick Co. and also 5 NW of Burgaw, in Pender Co. The largest report of hail was 2 1/2 inches at Nakina, in Columbus Co. Most of the damage from these storms was along a swath about 5 miles wide and 20 miles long, which extended from southwest of Penderlea to about 5 miles east of Watha, in Pender Co. The Four County Electric Coop reported approximately $30,000 in damages. The combination of wind gust to 80 mph and the large hail caused an estimated $2.8 million in crop damages, $490,000 in damages to structures and $250,000 in damage to timber.								
Robeson County									
Orrum	**18**	**1415EST**			**0**	**0**			**Thunderstorm Wind (G60)**
	SkyWarn Spotter reported wind gust to 60 MPH and tree limbs down								
Pender County									
Wards Corner to Watha	**18**	**1502EST**			**0**	**0**			**Thunderstorm Wind (G60)**
	Wind gust to 60 MPH reported by SkyWarn Spotter, Numerous reports of trees down on roads and power lines from the Pender Co. Emergency Manager. The Four County Electric Coop and Carolina Power and Light reported more than 7,000 customers without power.								
New Hanover County									
Wilmington	**18**	**1553EST**			**0**	**0**			**Hail (1.00)**
		1555EST							
	1 inch hail reported by the public in the Green field lake area.								
New Hanover County									
Wilmington	**18**	**1600EST**			**0**	**0**			**Thunderstorm Wind (G60)**
	Wind gust estimated at 60 MPH toppled a large tree in the Monkey Junction area, just south of Wilmington.								

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NORTH CAROLINA, South Coastal									
New Hanover County									
Wilmington	**21**	**1830EST 2000EST**			**0**	**0**			**Flash Flood**
Flooding occurred at numerous locations around Wilmington. Water covered the road at 16th and Market, at Rt 132 and I-40. Water was more than 2 feet deep on McClelland Rd. Sheriffs Office reported dogs swimming in the streets in the Kings Grant sub-division									
NORTH CAROLINA, Southwest									
Mcdowell County									
5 S Marion	**04**	**1700EST**			**0**	**0**	**10K**		**Thunderstorm Wind (G50)**
Mecklenburg County									
2 W Cornelius to Cornelius	**04**	**1815EST**			**0**	**0**			**Hail (1.00)**
Mecklenburg County									
Cornelius	**04**	**1815EST**			**0**	**0**	**25K**		**Thunderstorm Wind (G70)**
Cleveland County									
Polkville	**04**	**1818EST**			**0**	**0**			**Hail (1.00)**
Two severe thunderstorms moved south southeast causing significant damage. South of Marion a steeple was blown off a church, a shed was destroyed, and there was damage to houses. This storm later caused large hail as it weakened. Around Lake Norman in northern Mecklenburg county several boats were capsized and hundreds of trees were blown down. There was also some damage to homes from both wind and fallen trees.									
Rutherford County									
Rutherfordton	**05**	**1510EST**			**0**	**0**			**Thunderstorm Wind (G60)**
Rutherford County									
Forest City to Ellenboro	**05**	**1520EST 1530EST**			**0**	**0**	**300K**		**Thunderstorm Wind (G60)**
Rutherford County									
Caroleen	**05**	**1525EST 1535EST**			**0**	**0**	**175K**		**Thunderstorm Wind (G60)**
Cleveland County									
Boiling Spgs	**05**	**1535EST**			**0**	**0**			**Hail (0.88)**
Cleveland County									
Boiling Spgs to Oakgrove	**05**	**1535EST 1545EST**			**0**	**0**	**100K**		**Thunderstorm Wind (G60)**
Powerful severe thunderstorms caused widespread damage across the eastern half of Rutherford county and in southern Cleveland county as they moved east southeast. Especially hard hit were the areas near and east of Forest City and near Boiling Springs. Macrobursts with embedded microbursts downed hundreds of trees which fell on many homes and businesses. Roads and streets were blocked for much of the night. A roof was partially blown off of a manufacturing plant at Caroleen, and at Boiling Springs the roof of a house collapsed and a barn was blown down.									
Avery County									
3 NW Banner Elk to 3 SE Banner Elk	**17**	**1713EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Avery County									
Banner Elk	**17**	**1725EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Trees were downed by severe thunderstorm winds in several locations, including Beech Mountain and Sugar Mountain.									
Cleveland County									
2 NW Kings Mtn	**28**	**1355EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Gaston County									
4 NW Bessemer City	**28**	**1400EST**			**0**	**0**			**Hail (0.75)**
Mecklenburg County									
3 S Clt Douglas Arpt	**28**	**1433EST 1445EST**			**0**	**0**			**Thunderstorm Wind (G50)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NORTH CAROLINA, Southwest									
Mecklenburg County									
Clt Douglas Arpt	**28**	**1439EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Cabarrus County									
Concord	**28**	**1509EST**			**0**	**0**			**Hail (1.00)**
Union County									
Mineral Spg	**28**	**1520EST 1530EST**			**0**	**0**	**14K**		**Thunderstorm Wind (G65)**
Severe thunderstorms caused wind damage and hail in the southern Piedmont. Trees were blown down in scattered locations from Kings Mountain across Gaston county, to the Charlotte-Douglas International Airport area. A more powerful downburst apparently occurred around Mineral Springs where 20 to 25 trees were downed, homes suffered damage, and a business was partly unroofed.									
NORTH DAKOTA, Central and West									
Foster County									
2 SW Grace City	**02**	**2125CST**			**0**	**0**			**Hail (1.00)**
Hail covered ground									
Williams County									
Grenora	**04**	**1755CST**			**0**	**0**			**Thunderstorm Wind (G60)**
Numerous tree branches down in town									
Mclean County									
11 N Turtle Lake	**05**	**1537CST**			**0**	**0**			**Funnel Cloud**
funnel was visible for about 5 minutes									
Burleigh County									
10 N Bismarck	**05**	**1710CST 1713CST**	**0.2**	**10**	**0**	**0**			**Tornado (F0)**
weak tornado was visible to weather service staff. Was only visible for a few minutes before dissipating									
Mclean County									
5 S Mercer	**05**	**1715CST**	**0.1**	**10**	**0**	**0**			**Tornado (F0)**
brief touchdown by a rope tornado in open county.									
Kidder County									
5 N Pettibone	**05**	**1756CST**	**0.1**	**10**	**0**	**0**			**Tornado (F0)**
brief touchdown									
Wells County									
Heimdal	**14**	**1815CST 1830CST**			**0**	**0**		**100K**	**Hail (1.00)**
1 inch hail fell for 15 minutes destroying 12,000 acres of crops.									
Bowman County									
Scranton	**19**	**1330MST**			**0**	**0**			**Hail (1.00)**
Grant County									
2 W Elgin	**19**	**1535MST 1540MST**			**0**	**0**			**Hail (0.75)**
hail covered ground									
Ward County									
Minot	**22**	**0930CST**			**0**	**0**	**65K**		**Lightning**
lightning struck a house in Minot. The fire smoldered until the afternoon when flames began shooting out of the roof. The house was a complete loss.									
Divide County									
Fortuna to Noonan	**22**	**1500CST 1625CST**			**0**	**0**	**100K**	**5.7M**	**Hail (1.50)**
late season hail storm moved from Fortuna to Noonan destroying everything in its path. 180 thousand acres of crops were either severely damaged or destroyed.									
Stark County									
3 N Gladstone	**24**	**2130CST**			**0**	**0**	**3K**		**Lightning**
Lightning struck a hay bale stack causing the stack to start on fire. The fire also spread to the surronding ranch land and burned 40 acres of prairie. 70 haybales were lost.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NORTH DAKOTA, Central and West									
Burke County									
5 S Columbus to Columbus	**27**	**1645CST 1650CST**			**0**	**0**			**Hail (1.00)**
Williams County									
Williston	**27**	**1700CST**			**0**	**0**	**5K**		**Thunderstorm Wind (G60)**
thunderstorm winds caused a tree to fall across a pickup									
Williams County									
Corinth	**27**	**1930CST**			**0**	**0**			**Hail (0.75)**
Burke County									
15 S Bowbells	**29**	**0430CST**			**0**	**0**	**5K**		**Lightning**
lightning struck in a field where 1500 hay bales were stored. Quick reaction by the farmer and fire crews resulted in a loss of only 100 hay bales.									
Williams County									
8 S Tioga	**29**	**0500CST**			**0**	**0**	**20K**		**Lightning**
lightning struck an oil holding tank. The resulting fire spread to another holding tank. Fire crews were able to get the fire put out before the tanks were a complete loss.									
Burleigh County									
Driscoll	**29**	**1245CST**			**0**	**0**			**Hail (0.75)**
Logan County									
Napoleon	**29**	**1445CST 1455CST**			**0**	**0**	**10K**		**Thunderstorm Wind (G65)**
thunderstorm winds blew down a chain link fence around the school. Also numerous trees fell in town with some falling across houses or automobiles.									
Stutsman County									
Medina	**31**	**1605CST 1615CST**			**0**	**0**	**50K**		**Hail (2.00)**
property damage estimated									
Stutsman County									
Windsor	**31**	**1635CST 1645CST**			**0**	**0**	**75K**		**Hail (4.50)**
property damage estimated									
Foster County									
3 NW Glenfield	**31**	**1650CST 1700CST**			**0**	**0**			**Hail (1.25)**
Stutsman County									
2 E Eldridge	**31**	**1650CST**	**0.1**	**10**	**0**	**0**			**Tornado (F0)**
brief touchdown									
Stutsman County									
Jamestown	**31**	**1720CST 1830CST**			**0**	**0**	**10M**		**Hail (4.50)**
hail fell in Jamestown for 70 minutes, with hail ranging in size from marble to softball. Extensive damage done									
Stutsman County									
Jamestown	**31**	**1740CST**	**0.1**	**10**	**0**	**0**			**Tornado (F0)**
brief touchdown near the Buffalo mall									
Kidder County									
Steele to 5 S Dawson	**31**	**1751CST 1830CST**			**0**	**0**	**100K**		**Hail (4.50)**
hail ranging in size from 1.75 inches to 4.50 inches fell in a swath from Steele to Lake Isabel. Numerous tree and property damage reported.									
Stutsman County									
7 W Eldridge	**31**	**1753CST**	**0.1**	**10**	**0**	**0**			**Tornado (F0)**
brief touchdown									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NORTH DAKOTA, Central and West									
Stutsman County									
10 S Jamestown	**31**	**1817CST**	**0.1**	**10**	**0**	**0**			**Tornado (F0)**
brief touchdown									
Burleigh County									
2 E Driscoll to	**31**	**1840CST**			**0**	**0**			**Hail (0.75)**
3 E Driscoll		**1842CST**							
Kidder County									
7 W Steele to	**31**	**1842CST**			**0**	**0**			**Hail (0.75)**
Steele		**1856CST**							
Kidder County									
Tappen	**31**	**1900CST**			**0**	**0**			**Hail (0.75)**
Stutsman County									
Buchanan	**31**	**1900CST**			**0**	**0**			**Hail (0.75)**
Burleigh County									
6 SE Bismarck	**31**	**1946CST**			**0**	**0**			**Hail (0.75)**
Stutsman County									
8 W Jamestown	**31**	**2015CST**	**0.2**	**25**	**0**	**0**	**250K**		**Tornado (F1)**
		2020CST							
a tornado picked up 33 empty aluminium coal cars and set them on their side about 5 feet from the track. Each car weighed about 22 tons.									
Stutsman County									
Streeter	**31**	**2030CST**			**0**	**0**			**Thunderstorm Wind (G55)**
NORTH DAKOTA, East									
Sargent County									
Brampton	**02**	**1600CST**			**0**	**0**			**Hail (0.75)**
Sargent County									
5 N Cogswell	**02**	**1642CST**			**0**	**0**			**Hail (1.75)**
Richland County									
Barney	**02**	**1734CST**			**0**	**0**			**Hail (0.75)**
Richland County									
3 E Mooreton	**02**	**1750CST**			**0**	**0**			**Hail (0.75)**
Barnes County									
2 S Fingal	**02**	**1810CST**			**0**	**0**			**Hail (0.75)**
Barnes County									
.5 N Litchville	**02**	**1819CST**			**0**	**0**			**Hail (2.50)**
Barnes County									
4 E Kathryn	**02**	**1825CST**			**0**	**0**			**Hail (0.75)**
Cavalier County									
Munich	**02**	**1853CST**			**0**	**0**			**Thunderstorm Wind (G61)**
Wind speed was estimated.									
Barnes County									
Dazey	**02**	**1910CST**			**0**	**0**			**Hail (0.75)**
Cass County									
3 SE Mapleton	**02**	**1911CST**			**0**	**0**			**Hail (0.75)**
Cass County									
3 SE Mapleton	**02**	**1913CST**			**0**	**0**			**Hail (0.75)**
Barnes County									
Dazey	**02**	**1915CST**			**0**	**0**			**Hail (0.75)**
Cavalier County									
Munich	**02**	**1915CST**			**0**	**0**	**15K**		**Thunderstorm Wind**
Trees and power lines were blown down, cutting power in Munich for 5 hours. A large door was torn off the Munich elevator, which damaged 3 grain bins.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NORTH DAKOTA, East									
Cass County									
10 W Fargo	**02**	**1922CST**			**0**	**0**			**Hail (0.75)**
Walsh County									
Fairdale	**02**	**1935CST**			**0**	**0**		**75K**	**Hail (1.75)**
Walsh County									
Fairdale	**02**	**1935CST**			**0**	**0**		**25K**	**Thunderstorm Wind (G78)**
Walsh County									
7 SW Adams	**02**	**1950CST**			**0**	**0**		**500K**	**Hail (1.00)**
Walsh County									
7 SW Adams	**02**	**1950CST**			**0**	**0**	**10K**		**Thunderstorm Wind**
A strong wind broke several windows and blew down several 130 foot tall trees. The strong wind pushed large round hay bales 400 feet across a field.									
Nelson County									
Dahlen	**02**	**2015CST**			**0**	**0**	**0.50K**		**Thunderstorm Wind**
Strong wind blew several trees down.									
Grand Forks County									
Mc Canna	**02**	**2037CST**			**0**	**0**	**0.50K**		**Thunderstorm Wind**
The wind blew several cars off the road.									
Grand Forks County									
2 N Arvilla	**02**	**2100CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Wind speed was estimated.									
Griggs County									
Cooperstown	**02**	**2103CST**			**0**	**0**			**Hail (1.75)**
Grand Forks County									
(Rdr)Grand Forks Afb	**02**	**2104CST**			**0**	**0**			**Thunderstorm Wind (G76)**
Griggs County									
Cooperstown	**02**	**2104CST**			**0**	**1**	**5M**	**2M**	**Hail (2.75)**
The hail began near Jessie, cut a 3 by 12 mile long swath of damage, and ended 3 miles south of Cooperstown. The hail lasted for 15 minutes in Cooperstown, breaking windows, and damaging homes and businesses. One car dealership sustained $400,000 worth of damages. 20,000 acres of crops were destroyed, the equivalent of 20 farms. A 15 year-old girl, driving in the storm, suffered minor cuts due to flying glass. One hailstone recovered near Cooperstown measured 4 by 7 inches.									
Grand Forks County									
6 S Grand Forks	**02**	**2120CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Wind speed was estimated.									
Steele County									
14 SW Finley	**02**	**2130CST**			**0**	**0**			**Hail (1.50)**
Traill County									
4 S Portland	**02**	**2130CST**			**0**	**0**			**Hail (0.75)**
Grand Forks County									
Thompson	**02**	**2141CST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Power lines were blown down in the strong wind.									
Grand Forks County									
Grand Forks Arpt	**03**	**1656CST**			**0**	**0**			**Hail (1.00)**
Towner County									
5 N Rock Lake	**03**	**1700CST**			**0**	**0**			**Hail (1.00)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NORTH DAKOTA, East									
Grand Forks County									
Grand Forks	**03**	**1705CST**			**0**	**0**			**Hail (0.75)**
Grand Forks County									
8 E Reynolds	**03**	**1730CST**			**0**	**0**			**Hail (0.75)**
Richland County									
Mooreton	**03**	**2205CST**			**0**	**0**			**Hail (0.75)**
Richland County									
Mantador	**03**	**2230CST**			**0**	**0**			**Hail (0.75)**
Pembina County									
Backoo	**05**	**1415CST**			**0**	**0**			**Hail (0.75)**
Pembina County									
3 W Cavalier	**05**	**1430CST**			**0**	**0**			**Hail (0.75)**
Pembina County									
Cavalier	**05**	**1455CST**			**0**	**0**			**Hail (1.00)**
Pembina County									
Cavalier	**05**	**1520CST**			**0**	**2**	**20K**		**Lightning**
A man and his son were walking next to a tree when lightning struck. The two were knocked to the ground, with the tree taking the brunt of the strike. Two businesses in Cavalier were also hit by lightning, damaging their computer systems.									
Walsh County									
Nash	**05**	**1521CST**			**0**	**0**			**Hail (0.75)**
Grand Forks County									
Grand Forks	**05**	**1543CST**			**0**	**0**			**Hail (0.75)**
Grand Forks County									
Inkster	**05**	**1554CST**			**0**	**0**			**Hail (0.75)**
Grand Forks County									
4 W Inkster	**05**	**1608CST**			**0**	**0**			**Hail (0.75)**
Cass County									
Page	**05**	**1740CST**			**0**	**0**	**10K**		**Thunderstorm Wind**
The strong wind blew down a garage and many trees.									
Cass County									
Fargo	**05**	**1808CST**			**0**	**0**	**20K**		**Thunderstorm Wind**
The strong wind blew down a building under construction. The Fargo ASOS recorded a peak wind of 41 knots.									
Cass County									
Casselton	**05**	**1816CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Wind speed was estimated.									
Cass County									
7 SW West Fargo	**05**	**1834CST**			**0**	**0**			**Thunderstorm Wind (G70)**
Wind speed was estimated.									
Cass County									
Leonard	**05**	**1847CST**			**0**	**0**			**Thunderstorm Wind (G70)**
Richland County									
12 W Walcott	**05**	**1850CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Wind speed was estimated.									
Richland County									
Christine	**05**	**1910CST**			**0**	**0**	**0.50K**		**Thunderstorm Wind**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
NORTH DAKOTA, East									
Ransom County									
Mc Leod	**05**	**1927CST**			**0**	**0**	**0.50K**		**Thunderstorm Wind**
Richland County									
Barney	**05**	**1930CST**			**0**	**0**			**Hail (0.75)**
Sargent County									
Cogswell	**29**	**1720CST**			**0**	**0**			**Hail (0.75)**
Barnes County									
Wimbledon	**31**	**1120CST**			**0**	**0**			**Hail (0.75)**
Barnes County									
2 SE Dazey	**31**	**1154CST**			**0**	**0**			**Hail (1.00)**
Griggs County									
7 SW Binford	**31**	**1700CST**			**0**	**0**			**Hail (1.50)**
Windows were broken due to the large hail.									
Barnes County									
6 W Litchville	**31**	**2000CST**			**0**	**0**			**Hail (0.75)**
Barnes County									
10 N Litchville	**31**	**2020CST**			**0**	**0**	**60K**		**Lightning**
Lightning struck the roof of a house, quickly igniting the second story of the house. The upstairs level was destroyed, with the rest of the house sustaining smoke and water damage.									
Barnes County									
Dazey	**31**	**2030CST**			**0**	**0**	**0.50K**		**Thunderstorm Wind**
Several trees were blown down in Dazey.									
Barnes County									
2 NW Litchville	**31**	**2110CST**			**0**	**0**			**Hail (1.00)**
Barnes County									
4 N Litchville	**31**	**2130CST**	**0.5**	**25**	**0**	**0**			**Tornado (F0)**
Barnes County									
Kathryn	**31**	**2140CST**			**0**	**0**			**Hail (1.00)**
Barnes County									
Leal	**31**	**2140CST**			**0**	**0**	**0.20K**		**Thunderstorm Wind**
Large branches were blown down in Leal.									
Cass County									
5 NE Chaffee	**31**	**2231CST**			**0**	**0**			**Hail (0.75)**
OHIO, East									
Columbiana County									
Salem	**16**	**0130EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Large trees were downed by thunderstorm winds.									
Columbiana County									
Columbiana	**16**	**0145EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Several large limbs were downed by thunderstorm winds.									
Belmont County									
Belmont	**16**	**1600EST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Thunderstorm winds fell a tree onto a mobile home.									
Belmont County									
Colerain	**16**	**1610EST**			**0**	**0**	**4K**		**Thunderstorm Wind**
Thunderstorm winds downed several trees and power lines.									
Carroll County									
Malvern	**16**	**1900EST**			**0**	**0**	**15K**		**Thunderstorm Wind**
A car and a camper were hit by falling trees. Numerous trees and power lines were downed in the northern part of Carroll County.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OHIO, East

Carroll County

1 W Pattersonville — **16** — **1905EST** — **0** — **0** — **5K** — **Thunderstorm Wind**

Six large trees were downed by thunderstorm winds. One tree, 28 inches in diameter, fell into a garage.

Columbiana County

Salineville — **16** — **1915EST** — **0** — **0** — **20K** — **Thunderstorm Wind**

Thunderstorm winds downed trees onto a house and a mobile home.

Jefferson County

Hammondsville to Wintersville — **16** — **1930EST 1940EST** — **0** — **0** — **4K** — **Thunderstorm Wind**

Thunderstorm winds downed numerous trees across the northern and central parts of Jefferson County.

Jefferson County

Toronto — **16** — **1940EST** — **0** — **0** — **3K** — **Thunderstorm Wind**

Trees and power lines were downed by thunderstorm winds.

Tuscarawas County

New Philadelphia — **16** — **1950EST** — **0** — **0** — **3K** — **Thunderstorm Wind**

Thunderstorm winds downed several trees and large limbs.

Muskingum County

Dresden to Ruraldale — **16** — **2005EST 2030EST** — **0** — **0** — **5K** — **Thunderstorm Wind**

Numerous trees were downed by thunderstorm winds throughout the county.

Guernsey County

Cambridge — **16** — **2020EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Thunderstorm winds downed trees.

Coshocton County

Warsaw — **16** — **2030EST** — **0** — **0** — **1K** — **Thunderstorm Wind**

Two trees were reported downed by thunderstorm winds.

Belmont County

Armstrongs Mills — **16** — **2043EST** — **0** — **0** — **1K** — **Thunderstorm Wind**

A tree and some large limbs were downed by thunderstorm winds onto Route 9.

Noble County

Summerfield — **16** — **2115EST** — **0** — **0** — **3K** — **Thunderstorm Wind**

Several trees were downed by thunderstorm winds.

Monroe County

Lewisville — **16** — **2130EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Thunderstorm winds downed trees, some onto Route 145.

Guernsey County

Fairview — **17** — **1600EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Trees were downed by thunderstorm winds.

Belmont County

1 E Morristown — **17** — **1620EST** — **0** — **0** — **8K** — **Thunderstorm Wind**

Thunderstorm winds downed numerous trees, some 2 to 3 feet in diameter. A trailer roof was blown off and power lines were downed.

Belmont County

St Clairsville — **17** — **2300EST** — **0** — **0** — **5K** — **Flash Flood**
18 — **0100EST**

Jug Run went out of its banks after heavy thunderstorm rains. A nearby road was closed and a few basements were also reported flooded.

Belmont County

Martins Ferry — **27** — **2150EST 2230EST** — **0** — **0** — **Flash Flood**

Heavy thunderstorm rains caused extensive street flooding in Martins Ferry.

Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
OHIO, North									
Lucas County									
Richfield Center	**03**	**2100EST**			**0**	**0**			**Hail (1.75)**
Lucas County									
Maumee	**03**	**2100EST**			**0**	**0**	**20K**		**Thunderstorm Wind**
A tree was downed on a house.									
Lucas County									
Toledo	**03**	**2112EST**			**0**	**0**			**Hail (0.75)**
Wood County									
Perrysburg	**03**	**2140EST**			**0**	**0**			**Hail (0.75)**
Sandusky County									
Helena	**03**	**2205EST**			**0**	**0**			**Hail (0.75)**
Sandusky County									
Gibsonburg	**03**	**2215EST**			**0**	**0**			**Hail (0.75)**
Seneca County									
Fostoria	**04**	**0215EST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Many trees and large branches were downed.									
Seneca County									
Republic	**04**	**0230EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Several large tree limbs were downed.									
Lorain County									
Lorain	**04**	**1948EST**	**0.1**	**10**	**0**	**0**			**Tornado (F0)**
A tornado briefly touched down near the intersection of Leavitt and Skyline Roads one mile south of Lake Erie. No damage was reported.									
Lorain County									
Amherst	**04**	**1948EST**			**0**	**0**			**Hail (0.75)**
Erie County									
Vermillion	**04**	**1950EST**			**0**	**0**			**Waterspout**
Several water spouts were reported on Lake Erie about 200 yards off shore. They dissipated before reaching land and no damage was reported.									
Lorain County									
Oberlin	**04**	**2000EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees were downed.									
Crawford County									
Crestline	**12**	**1605EST**			**0**	**1**	**4K**		**Thunderstorm Wind**
A large tree was downed onto a car. The car was demolished and the driver was injured and taken to the hospital.									
Hancock County									
Findlay	**12**	**1727EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees and power lines were downed.									
Seneca County									
Fostoria	**12**	**1745EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Large branches and power lines were downed.									
Trumbull County									
Niles	**12**	**2056EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees were downed.									
Fulton County									
Swanton	**16**	**0730EST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Numerous trees and power lines were downed.									
Lucas County									
Countywide	**16**	**0755EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Tree limbs and power lines were downed.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
OHIO, North									
Ottawa County									
Countywide	**16**	**0830EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Limbs and power lines were downed.									
Sandusky County									
Fremont	**16**	**0845EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Trees were downed in Sandusky Township.									
Cuyahoga County									
Countywide	**16**	**0922EST**			**0**	**0**	**5K**		**Thunderstorm Wind (G54)**
Trees and branches were downed. A wind gust of 62 miles per hour was reported at Cleveland Light House.									
Cuyahoga County									
Cleveland	**16**	**0930EST**			**2**	**0**	**75K**		**Thunderstorm Wind**
During a sailboat race on Lake Erie, two people who were not wearing life preservers, were swept overboard by high waves and drowned. A total of four boats capsized and twelve people were swept overboard. M29BO, F28BO									
Lorain County									
Oberlin	**16**	**0937EST**			**0**	**0**			**Hail (1.75)**
Geauga County									
Chardon	**16**	**0950EST**			**0**	**0**			**Thunderstorm Wind (G52)**
Geauga County									
Claridon	**16**	**0958EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees were downed.									
Trumbull County									
Kinsman	**16**	**1100EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees were downed.									
Summit County									
Cuyahoga Falls	**16**	**1100EST**			**0**	**0**	**80K**		**Lightning**
Lightning struck a tree and was conducted to a house. The resulting fire caused considerable damage.									
Lorain County									
Elyria	**16**	**1408EST**			**0**	**0**	**3K**		**Thunderstorm Wind**
Numerous large tree limbs were downed.									
Knox County									
Fredericktown	**16**	**1505EST**			**0**	**0**			**Hail (0.75)**
Lucas County									
Berkey	**16**	**1527EST**			**0**	**0**	**3K**		**Thunderstorm Wind (G52)**
Large tree limbs were downed. A wind gust of 60 miles per hour was reported.									
Geauga County									
Chesterland	**16**	**1535EST**			**0**	**0**			**Hail (0.75)**
Cuyahoga County									
Westlake	**16**	**1541EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Numerous trees were downed.									
Cuyahoga County									
Highland Hgts	**16**	**1545EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Medina County									
Medina	**16**	**1552EST**			**0**	**0**			**Hail (0.75)**
Cuyahoga County									
Cleveland	**16**	**1558EST**			**0**	**0**			**Hail (0.75)**
Medina County									
Brunswick	**16**	**1600EST**			**0**	**0**			**Hail (0.75)**
Geauga County									
Countywide	**16**	**1600EST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Many trees were downed.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
OHIO, North									
Lucas County									
Toledo	**16**	**1605EST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Numerous trees and large limbs were downed.									
Lucas County									
Sylvania	**16**	**1606EST**			**0**	**0**	**3K**		**Thunderstorm Wind**
Large tree limbs were downed.									
Trumbull County									
Bristolville	**16**	**1608EST**			**0**	**0**	**3K**		**Thunderstorm Wind**
Trees were downed in Bristol Township.									
Huron County									
Norwalk	**16**	**1614EST**			**0**	**0**			**Hail (0.75)**
Fulton County									
Countywide	**16**	**1615EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees were downed.									
Erie County									
Countywide	**16**	**1630EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees and power lines were downed.									
Trumbull County									
Braceville	**16**	**1657EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
A downburst downed trees and power lines.									
Medina County									
Medina	**16**	**1700EST**	**0.5**	**50**	**0**	**0**	**20K**		**Tornado (F0)**
A tornado touched down in Medina Township and remained on the ground for only a short time. Numerous trees were downed. A downburst may have accompanied the tornado and contributed to the damage.									
Medina County									
Countywide	**16**	**1700EST**			**0**	**0**	**100K**		**Thunderstorm Wind**
Trees and power lines were downed. Several homes and garages were damaged by fallen trees.									
Erie County									
Countywide	**16**	**1705EST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Many trees and power lines were downed.									
Huron County									
Norwalk	**16**	**1710EST**			**0**	**0**	**30K**		**Thunderstorm Wind**
A tree was downed on a house.									
Lake County									
Fairport Harbor	**16**	**1710EST**			**0**	**0**			**Thunderstorm Wind (G62)**
Medina County									
Brunswick	**16**	**1711EST**			**0**	**0**			**Hail (0.75)**
Lorain County									
Lorain	**16**	**1715EST**			**0**	**0**			**Flood**
Heavy thunderstorm rain caused flooding of roads, underpasses and low lying areas. Some roads were impassable and closed to traffic.									
Trumbull County									
Leavittsburg	**16**	**1715EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
A downburst downed trees and power lines.									
Trumbull County									
Warren	**16**	**1715EST**			**0**	**0**	**50K**		**Thunderstorm Wind**
Trees and power lines were downed, some on houses and vehicles.									
Wood County									
Bowling Green	**16**	**1725EST**			**0**	**0**			**Hail (0.75)**
Lorain County									
Countywide	**16**	**1730EST**			**0**	**0**	**50K**		**Thunderstorm Wind**
Trees, limbs and power lines were downed. At least one tree fell on a house.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
OHIO, North									
Medina County									
Spencer	**16**	**1740EST**			**0**	**0**			**Thunderstorm Wind (G52)**
Portage County									
Brimfield	**16**	**1741EST**			**0**	**0**	**95K**		**Lightning**
Lightning struck a house in Brimfield Township and the ensuing fire gutted the house.									
Medina County									
Wadsworth	**16**	**1745EST**	**0.3**	**100**	**0**	**0**	**500K**		**Tornado (F1)**
A tornado briefly touched down, ripping the roof off a middle school and downing numerous trees.									
Huron County									
Countywide	**16**	**1745EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees and large limbs were downed.									
Wayne County									
Rittman	**16**	**1745EST**			**0**	**0**	**3K**		**Thunderstorm Wind**
Large branches and power lines were downed.									
Ashland County									
Sullivan	**16**	**1747EST**			**0**	**0**			**Hail (0.75)**
Large hail fell at Cinnamon Lake.									
Medina County									
Brunswick	**16**	**1800EST**			**0**	**0**			**Flood**
Heavy thunderstorm rain caused flooding of roads and low lying areas.									
Summit County									
Countywide	**16**	**1800EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees were downed, especially in the areas of Barberton, Twinsburg and Norton.									
Richland County									
Mansfield	**16**	**1809EST**	**0.3**	**60**	**0**	**0**	**10K**		**Tornado (F0)**
A small tornado touched down east of Mansfield near State Route 430 in Mifflin Township. It remained on the ground for only a short time and downed numerous trees.									
Medina County									
Wadsworth	**16**	**1820EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees were downed.									
Wayne County									
Countywide	**16**	**1820EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees and power lines were downed, especially in the Wooster area.									
Summit County									
Bath	**16**	**1830EST**			**0**	**0**	**10K**	**30K**	**Thunderstorm Wind**
Numerous trees were downed near Hale Farm. One hundred acres of corn were blown down. Winds were estimated at 80 to 90 miles per hour.									
Ashland County									
Countywide	**16**	**1831EST**			**0**	**0**			**Flood**
Heavy thunderstorm rain caused flooding of roads and low lying areas.									
Wayne County									
Countywide	**16**	**1831EST**			**0**	**0**			**Flood**
Heavy thunderstorm rain caused flooding of roads and low lying areas.									
Summit County									
Boston Hgts	**16**	**1843EST**			**0**	**0**	**3K**		**Thunderstorm Wind**
Trees were downed in Boston Township.									
Mahoning County									
Countywide	**16**	**1845EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees were downed.									
Portage County									
Freedom	**16**	**1900EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Trees were downed.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
OHIO, North									
Portage County									
Shalersville	**16**	**1900EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Trees were downed.									
Morrow County									
Countywide	**16**	**1901EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees and limbs were downed.									
Summit County									
Manchester	**16**	**1906EST**			**0**	**0**	**20K**		**Thunderstorm Wind**
Several trailers were damaged at a trailer park.									
Marion County									
Caledonia	**16**	**1915EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Trees and power lines were downed.									
Marion County									
Green Camp	**16**	**1915EST**			**0**	**0**	**3K**		**Thunderstorm Wind**
Trees and power lines were downed.									
Holmes County									
Countywide	**16**	**1928EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Many trees were downed.									
Richland County									
Countywide	**16**	**1930EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees were downed.									
Marion County									
Marion	**16**	**1930EST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Trees were downed. One fell on a truck.									
Knox County									
Martinsburg	**16**	**2000EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Trees were downed in Clay Township.									
Medina County									
Brunswick	**16**	**2218EST**			**0**	**0**			**Hail (0.75)**
Cuyahoga County									
East Cleveland	**21**	**0911EST**			**0**	**0**			**Waterspout**
A waterspout was reported on Lake Erie near Burke Lakefront Airport. It dissipated without coming ashore and no damage was reported.									
Erie County									
Vermillion	**21**	**2040EST**			**0**	**0**			**Waterspout**
A waterspout was reported on Lake Erie near Vermilion. It dissipated without coming ashore and no damage was reported.									
Lucas County									
Toledo	**30**	**0830EST**			**0**	**0**			**Waterspout**
Waterspouts were reported on Maumee Bay (Lake Erie) They dissipated without coming ashore and no damage was reported.									
Ottawa County									
North Bass Is	**30**	**0830EST**			**0**	**0**			**Waterspout**
Waterspouts were reported on Lake Erie. They dissipated without coming ashore and no damage was reported.									
OHIO, Northwest									
Williams County									
Montpelier	**04**	**0035EST**			**0**	**0**			**Hail (1.00)**
		0036EST							
Defiance County									
Defiance	**15**	**1940EST**			**0**	**0**			**Thunderstorm Wind (G65)**
		1941EST							
Defiance County									
Hicksville to Western Half County	**16**	**2220EST**			**0**	**0**	**5K**		**Flash Flood**
		2320EST							
Four plus inches of rain put many county roads underwater with									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OHIO, Northwest

several cars abandoned.

OHIO, Southeast

Perry County

Maxville to Shawnee — **17** — **0010EST** / **0200EST** — **0** — **0** — **10K** — **Flash Flood**

Monday and Little Monday Creeks flooded roads and fields. Flooding to dwellings was minor.

Jackson County

Jackson — **17** — **1200EST** — **0** — **0** — **5K** — **Thunderstorm Wind**

Jackson County

2 W Monroe — **17** — **1205EST** — **0** — **0** — **Hail (0.88)**

Meigs County

Chester to Pomeroy — **17** — **1215EST** — **0** — **0** — **5K** — **Thunderstorm Wind**

Vinton County

Wilkesville — **17** — **1215EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Washington County

Belpre — **17** — **1315EST** — **0** — **0** — **115K** — **Thunderstorm Wind**

The city's safety-service director said more than 100 trees were downed in the city. He estimated wind gusts of around 70 mph. Roofs were damaged by fallen trees. Some city residents even reported their vehicles were lifted off the pavement.

Gallia County

Gallipolis — **17** — **1340EST** — **0** — **0** — **15K** — **Thunderstorm Wind**

Lawrence County

Proctorville to Scottown — **17** — **1410EST** — **0** — **0** — **20K** — **Thunderstorm Wind**

Numerous trees were fallen along Route 775. Wind gusts were estimated at 60 to 65 mph.

Meigs County

Rutland — **17** — **1530EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Lawrence County

Proctorville — **17** — **1548EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Athens County

Buchtel to Chauncey — **17** — **1930EST** / **2330EST** — **0** — **0** — **250K** — **Flash Flood**

Flooding took place along streams in the northern reaches of the county. Some of the streams affected include Snow Fork, plus Sunday and Monday Creeks. Chauncey was one of the hardest hit areas as waters from Sunday Creek were slowed by the swollen Hocking River. Other communities that received flooding included Nelsonville, Glouster, Hollister, Trible, and Doanville. The stream flooding lead to minor river flooding along the Hocking River. The county emergency management agency listed one single family dwelling and 1 mobile home destroyed for the whole flood event. Twentyfive dwellings had major damage.

Perry County

New Straitsville to Corning — **17** — **1930EST** / **18** — **0200EST** — **0** — **0** — **175K** — **Flash Flood**

The community of Corning was most affected by the flooding along Sunday Creek. Five houses sustained major damage. About 100 citizens were evacuated , while 25 residents were sheltered. Flooding also occurred along Federal and Wolf creeks.

Morgan County

Morgansville — **17** — **2000EST** / **2300EST** — **0** — **0** — **15K** — **Flash Flood**

Headwaters of the West Branch flooded many secondary roads.

OHZ075 Athens

18 — **0600EST** / **20** — **0700EST** — **0** — **0** — **100K** — **Flood**

After the small stream flooding, the Hocking River at Athens crested near 22 feet during the afternoon of the 19th. Flood stage is 20 feet. However, most of the town is protected until levels reach over 25 feet. County roads along the river were blocked.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
OHIO, Southwest									
Franklin County									
Grove City	**04**	**0350EST** **0355EST**			**0**	**0**	**3K**		**Thunderstorm Wind (G50)**
Several trees downed.									
Putnam County									
Pandora	**16**	**1835EST** **1838EST**			**0**	**0**			**Hail (0.75)**
Putnam County									
Ottawa	**16**	**2000EST** **2145EST**			**0**	**0**	**5K**		**Flood**
Several hours of thunderstorms with torrential downpours caused many roads to be flooded.									
Brown County									
Georgetown	**17**	**1030EST** **1035EST**			**0**	**0**	**5K**		**Thunderstorm Wind (G50)**
Numerous trees downed.									
Adams County									
Seaman to Lawshe	**17**	**1045EST** **1055EST**			**0**	**0**	**5K**		**Thunderstorm Wind (G50)**
Several trees knocked down.									
Pike County									
Camp	**17**	**1100EST** **1105EST**			**0**	**0**	**3K**		**Thunderstorm Wind (G50)**
Many large trees downed.									
Scioto County									
Rarden	**17**	**1115EST** **1120EST**			**0**	**0**	**10K**		**Thunderstorm Wind (G50)**
Several trees downed, one of which fell on a car.									
Pike County									
Byington	**17**	**1130EST** **1135EST**			**0**	**0**	**3K**		**Thunderstorm Wind (G50)**
Several trees downed.									
Scioto County									
Mt Joy	**17**	**1200EST** **1205EST**			**0**	**0**	**3K**		**Thunderstorm Wind (G50)**
Several large limbs downed.									
Delaware County									
3 SE Sunbury	**17**	**1315EST** **1320EST**	**0.5**	**100**	**0**	**0**	**50K**		**Tornado (F0)**
A tornado made a brief touchdown damaging numerous trees, destroying a barn, damaged 2 homes, and carried away a swingset.									
Hamilton County									
Countywide	**17**	**1330EST** **1400EST**			**0**	**0**	**100K**		**Thunderstorm Wind (G60)**
Numerous trees and power lines were downed across the county by the thunderstorm winds. Lunken Field reported a wind gust to 60 mph. Moderate damage occurred to the Goodyear blimp "Spirit of Akron", which was parked at the airport at the time of the storm.									
Hamilton County									
Mt Washington	**17**	**1330EST**			**0**	**0**	**40K**		**Lightning**
Lightning struck the Jarco, Inc building causing a fire which resulted in significant damage.									
Clermont County									
Countywide	**17**	**1345EST** **1400EST**			**0**	**0**	**15K**		**Thunderstorm Wind (G50)**
Numerous trees downed across the county including one that fell on a truck. The two passengers were not injured.									
Brown County									
Sardinia	**17**	**1400EST** **1405EST**			**0**	**0**	**3K**		**Thunderstorm Wind (G50)**
Numerous trees downed.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OHIO, Southwest

Adams County

2 NW West Union to 4 NE West Union	**17**	**1415EST 1425EST**	**1**	**50**	**0**	**0**	**100K**		**Tornado (F0)**

This thunderstorm had a long line of downbursts which caused damage to numerous trees, some of which fell on a house and a mobile home. Embedded within this path of damage was evidence that a tornado made brief touchdowns. In two different areas, tree damage showed twisting motion indicating that a tornado existed. Also, one home was knocked off its foundation in one of the areas where the tornado touched down. Winds from some of the downburst activity were near 100 mph.

Scioto County

Otway	**17**	**1430EST 1435EST**			**0**	**0**	**3K**		**Thunderstorm Wind (G50)**

Several trees downed.

Pike County

Countywide	**17**	**1445EST 1500EST**			**0**	**0**	**3K**		**Thunderstorm Wind (G50)**

Numerous trees and power lines downed, mainly in the western part of the county.

Hocking County

Countywide	**17**	**1730EST 2140EST**			**0**	**0**	**500K**		**Flash Flood**

Nearly 6.5 inches of rain fell on parts of the county on the 17th, with 4 inches falling in about 4 hours. Numerous roads were flooded and several people were evacuated from their homes. A state of emergency was declared by the county due to flooding.

Fairfield County

Countywide	**17**	**1800EST 2130EST**			**0**	**0**	**50K**		**Flood**

Persistent heavy rainfall caused numerous roads to be flooded.

Hamilton County

Harrison to Cheviot	**17**	**1823EST 1835EST**			**0**	**0**	**10K**		**Thunderstorm Wind (G60)**

Numerous trees downed. An observer reported a 70 mph wind gust.

Butler County

Countywide	**17**	**1859EST 1945EST**			**0**	**0**	**100K**		**Flood**

Persistent heavy rainfall caused roads to be flooded, mainly across the southern parts of the county. One bride collapsed due to the force of the water.

Butler County

Okeana	**17**	**1900EST 1905EST**			**0**	**0**	**3K**		**Thunderstorm Wind (G50)**

Trees downed.

Warren County

Lebanon	**17**	**1920EST 1925EST**			**0**	**0**	**3K**		**Thunderstorm Wind (G50)**

Several trees downed.

Clinton County

Westboro	**17**	**2030EST 2130EST**			**0**	**0**	**5K**		**Flood**

Thunderstorms with heavy rainfall lasted for several hours causing several roads to be closed due to high water flowing across them.

OHZ074 Hocking

	18	**0900EST 1900EST**			**0**	**0**	**50K**		**Flood**

Over 6 inches of rain fell across parts of central Ohio on August 17th. The Hocking River at Enterprise was estimated to crest at 14.5 feet around 300 pm est on the 18th. At a stage above 14 feet, numerous area roads were flooded and several evacuations occurred. Flood stage is 12.0 feet.

Franklin County

Obetz	**21**	**1822EST 1825EST**			**0**	**15**	**50K**		**Thunderstorm Wind (G50)**

A wind gust knocked down 30 tents injuring 15 people , and knocking down electrical lines.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
OHIO, Southwest									
Fairfield County									
Pickerington	**21**	**1910EST 1915EST**			**0**	**0**			**Hail (0.75)**
Clermont County									
Lindale	**27**	**1600EST 1605EST**			**0**	**0**	**5K**		**Thunderstorm Wind (G50)**
Several large limbs and power lines downed.									
Scioto County									
Rarden	**27**	**1650EST 1655EST**			**0**	**0**			**Hail (0.75)**
OKLAHOMA, Eastern									
Rogers County									
2 NW Claremore	**17**	**0300CST**			**0**	**0**	**0.10K**		**Thunderstorm Wind**
Rogers County									
2 NW Talala	**17**	**0300CST**			**0**	**0**	**0.10K**		**Thunderstorm Wind**
Rogers County									
1 SE Claremore	**17**	**0315CST**			**0**	**0**	**0.10K**		**Thunderstorm Wind**
Rogers County									
South Of Talala	**17**	**0330CST 0500CST**			**0**	**0**			**Flash Flood**
Isolated severe thunderstorms developed in Rogers County of northeast Oklahoma during the early morning of August 17th and produced damaging winds. Strong thunderstorm winds blew a tree down across a highway 2 miles northwest of Claremore and also 1 mile southeast of Claremore. Trees were also blown down 2 miles northwest of Talala. The storms also produced very heavy rainfall which resulted in flash flooding. U.S. Highway 169 was covered by high water south of Talala.									
Pittsburg County									
1 S Kiowa	**17**	**0745CST**			**0**	**0**			**Hail (0.75)**
A severe thunderstorm produced dime size hail 1 mile south of Kiowa.									
Tulsa County									
Tulsa	**18**	**0530CST 0630CST**			**0**	**0**			**Flash Flood**
Thunderstorms in the city of Tulsa during the early morning of August 18th produced up to 5 inches of rain which resulted in flash flooding. Up to 18 inches of water covered some intersections in the south and southwest parts of the city.									
Osage County									
Pawhuska	**20**	**1330CST**			**0**	**0**			**Hail (0.75)**
Osage County									
Pawhuska	**20**	**1330CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Osage County									
Okesa	**20**	**1400CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Washington County									
Bartlesville	**20**	**1400CST**			**0**	**0**	**0.10K**		**Thunderstorm Wind**
Washington County									
Dewey	**20**	**1400CST**			**0**	**0**	**0.50K**		**Thunderstorm Wind (G52)**
Nowata County									
Delaware	**20**	**1426CST**			**0**	**0**	**0.10K**		**Thunderstorm Wind**
Tulsa County									
4 S Collinsville	**20**	**1438CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Rogers County									
1 S Catoosa	**20**	**1500CST**			**0**	**0**	**5K**		**Thunderstorm Wind (G65)**
Mayes County									
Rose	**20**	**1545CST**			**0**	**0**	**0.10K**		**Thunderstorm Wind**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OKLAHOMA, Eastern

Cherokee County

Scraper	**20**	**1552CST**			**0**	**0**			**Thunderstorm Wind (G52)**

Adair County

Westville	**20**	**1610CST**			**0**	**0**			**Thunderstorm Wind (G52)**

Adair County

Westville	**20**	**1624CST**			**0**	**0**			**Thunderstorm Wind (G52)**

Severe thunderstorms moved across northeast Oklahoma during the afternoon of August 20th. Strong thunderstorm winds downed several power lines in Bartlesville and several large tree limbs in Delaware, and 6 to 8 inch diameter tree limbs were blown down in Rose. The top was blown out of a large tree onto a house by 70 to 80 mile an hour winds 1 mile south of Catoosa, and power lines were downed and a plate glass window was blown out of a building by 60 mile an hour winds in Dewey. Large tree limbs were blown down by 60 mile an hour winds in Pawhuska, and thunderstorm winds also gusted to 60 miles an hour in Okesa, 4 miles south of Collinsville, in Scraper, and in Westville. Dime size hail fell at Pawhuska.

Pawnee County

Ralston	**22**	**0240CST**			**0**	**0**			**Thunderstorm Wind (G52)**

A severe thunderstorm produced 60 mile an hour winds in Ralston.

OKLAHOMA, Extreme Southeast

Mccurtain County

5 NW Broken Bow	**22**	**0900CST**			**0**	**0**			**Hail (0.75)**

OKLAHOMA, Panhandle

Cimarron County

2 NE Kenton	**06**	**0030CST** **0415CST**			**0**	**0**			**Flash Flood**

The Cimarron River, just northeast of Kenton Oklahoma, crested at 13.27 feet at 02:00 CST. The flood stage is 11.0 feet.

Cimarron County

2 NE Kenton	**10**	**0630CST** **1615CST**			**0**	**0**			**Flash Flood**

The Cimarron River, just northeast of Kenton Oklahoma, crested at 13.96 feet at 13:00 CST. The flood stage is 11.0 feet.

Cimarron County

2 NE Kenton	**11**	**0815CST** **1200CST**			**0**	**0**			**Flash Flood**

The Cimarron River crested to 11.73 feet at 10:00 CST just northeast of Kenton Oklahoma. The flood stage is 11.0 feet.

Cimarron County

2 NE Kenton	**12**	**0415CST** **1155CST**			**0**	**0**			**Flash Flood**

The Cimarron River crested to 17.64 feet at 08:00 CST just northeast of Kenton Oklahoma. The flood stage is 11.0 feet.
Very heavy rainfall upstream of the flood gage 2.0 miles northeast of Kenton Oklahoma over southeast Colorado and northeast New Mexico caused some minor flooding of the Cimarron River in the extreme western Oklahoma Panhandle.

Cimarron County

22 NW Boise City	**18**	**1704CST**			**1**	**0**			**Lightning**

A man was riding a horse at Black Mesa StatePark around Lake Carl Etling and were struck by lightning.
Both the man and the horse were killed instantly.
Thunderstorm over the far western Oklahoma Panhandle produced deadly lightning during the early evening hours. M45OU

OKLAHOMA, Western, Central and Southeast

Cleveland County

Norman (Oun)	**03**	**0025CST**			**0**	**0**			**Thunderstorm Wind (G52)**

measured at the National Weather Service Forecast Office

Kay County

Newkirk	**07**	**1658CST**			**0**	**0**			**Hail (1.00)**

Washita County

Cordell	**09**	**1500CST**			**0**	**0**			**Flash Flood**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OKLAHOMA, Western, Central and Southeast

Washita County

Sentinel — **10** **1605CST** — **0** **0** **2K** — **Thunderstorm Wind**

Severe thunderstorm winds destroyed a large shed and downed power poles.

Beckham County

Elk City — **10** **1915CST** — **0** **0** — **Flash Flood**

Two roads in Elk City were closed due to flash flooding.

Greer County

Mangum — **10** **2100CST** — **0** **0** **100K** — **Lightning**

Lightning struck and set fire to a house, destroying the home and its contents.

Kiowa County

Hobart — **10** **2130CST** — **0** **0** **100K** — **Flash Flood**
11 **0215CST**

After 8.6 inches of rain fell in less than 12 hours, portions of Hobart suffered from severe flash flooding. Seven houses and several businesses, including a carpet store, a saloon, and a radio station, were flooded. Two homes in the 700 block of South Monroe were evacuated due to rising water. Numerous roads were covered by flash flood waters, and eight to ten people had to be rescued from their vehicles by emergency personnel.

Jackson County

Altus — **10** **2154CST** — **0** **0** — **Thunderstorm Wind (G53)**

measured by the Altus EOC

Greer County

7 W Granite to 1 W Granite — **10** **2200CST** — **0** **0** — **Flash Flood**
11 **0030CST**

Several roads were flooded, including State Highway 9 from its intersection with US Hwy 283 to just west of Granite.

Greer County

3 N Mangum to 1 N Mangum — **10** **2200CST** — **0** **0** — **Flash Flood**
11 **0030CST**

The intersection of US Hwy 283 and State Hwy 9 was flooded and closed.

Tillman County

Manitou — **10** **2220CST** — **0** **0** **0.50K** — **Thunderstorm Wind**

Severe thunderstorm winds downed several utility poles.

Custer County

Weatherford — **11** **0030CST** — **0** **0** **20K** — **Lightning**

Lightning struck and set fire to the roof of a house, destroying the attic.

Summary of events of August 10, 1997:

Evening thunderstorms moved across western Oklahoma, producing severe winds and flash flooding. Wind speeds were clocked at up to 61 mph in Altus in Jackson County, and wind damage was reported in Sentinel in Washita County and Manitou in Tillman County.

Flash flooding was most extensive in Hobart in Kiowa County, where 8.6 inches of rain fell in less than 12 hours as thunderstorms reformed several times and moved over the same area. Homes, businesses, and streets in Hobart were flooded, numerous cars were stalled in high water, and several people had to be evacuated.

See preceding individual Storm Data entries for further details and additional reports.

Caddo County

Apache — **13** **1945CST** — **0** **0** — **Hail (1.75)**

Grady County

5 N Pocasset — **13** **2150CST** — **0** **0** — **Thunderstorm Wind (G56)**

Several tree limbs up to eight inches in diameter were broken off of trees.

Stephens County

Duncan — **13** **2330CST** — **0** **0** **5K** — **Thunderstorm Wind**

Severe thunderstorm winds blew the roof off a barn and carried it over a house and onto a road. The roof of the house was severely damaged. Winds also uprooted trees and snapped limbs.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OKLAHOMA, Western, Central and Southeast

Jackson County

Altus **14** **0415CST** **0** **0** **25K** **Lightning**

Lightning struck and set fire to a small bar. The fire was quickly contained and damage was limited to an estimated $25,000.

Ellis County

8 WSW Arnett **16** **1930CST** **0** **0** **Thunderstorm Wind (G52)**

measured at the Oklahoma Mesonet site

Major County

1 W Fairview **16** **2235CST** **0** **0** **Thunderstorm Wind (G54)**

measured at the Oklahoma Mesonet site

Woodward County

6 SE Mutual **16** **2240CST** **0** **0** **Thunderstorm Wind (G53)**

measured at the Oklahoma Mesonet site

Woodward County

6 SE Mutual **16** **2245CST** **0** **0** **Thunderstorm Wind (G56)**

measured at the Oklahoma Mesonet site

Major County

1 W Fairview **16** **2255CST** **0** **0** **Thunderstorm Wind (G56)**

measured at the Oklahoma Mesonet site

Noble County

7 SSE Red Rock **17** **0450CST** **0** **0** **Thunderstorm Wind (G50)**

measured at the Oklahoma Mesonet site

Kay County

Countywide **17** **0825CST** **0** **0** **Flash Flood**

Water covered the roads at several locations in Kay County.

Summary of events of the evening of August 16, 1997 through the morning of August 17, 1997:

Severe thunderstorms moved from west to east across northern Oklahoma during the afternoon and overnight hours of August 16th. Storms produced severe winds measured at up to 64 mph by the Oklahoma Mesonet sites across the northern portions of Oklahoma.

See preceding individual Storm Data entries for further details and additional reports.

Jefferson County

11 W Ringling **17** **1530CST** **0** **0** **Hail (1.00)**

Cotton County

Temple **17** **1555CST** **0** **0** **Hail (0.88)**

Cotton County

7 E Cookietown **17** **1620CST** **0** **0** **Hail (0.88)**

Cotton County

7 E Cookietown **17** **1620CST** **0** **0** **7K** **Thunderstorm Wind**

A truck with a trailer of 350 gallons of diesel fuel was blown over by severe thunderstorm winds.

Jefferson County

Addington **17** **1629CST** **0** **0** **Hail (0.88)**

Jefferson County

Waurika **17** **1800CST** **0** **0** **Hail (1.75)**

Summary of events of the afternoon of August 17, 1997:

Severe thunderstorms moved near and along the Red River, producing large hail and damaging thunderstorm winds in extreme southern Oklahoma and western parts of north Texas. On the Oklahoma side of the border, the largest hail was reported in Waurika in Jefferson County (where hail as large as golf balls fell), and a truck was blown over by severe thunderstorm winds east of Cookietown in Cotton County.

See preceding individual Storm Data entries for further details and additional reports.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OKLAHOMA, Western, Central and Southeast

Kay County

Ponca City 18 0825CST 0 0 **Flash Flood**

The sheriff reported that water covered the highways in several locations across the county.

Murray County

Sulphur 18 1320CST 0 0 **Hail (0.75)**

occurred at the Chickasaw National Recreation Area

Carter County

2 S Healdton 18 1330CST 0 0 6K **Thunderstorm Wind (G57)**

Severe thunderstorm winds estimated at 65 mph downed 2 trees and destroyed a few outbuildings.

Murray County

Sulphur 18 1330CST 0 0 0.01K **Thunderstorm Wind**

Severe thunderstorm winds downed tree limbs in Sulphur.

Johnston County

Mill Creek 18 1340CST 0 0 2.5K **Thunderstorm Wind**

Siding was blown off of a house, a carport was detroyed, and limbs were snapped by severe thunderstorm winds.

Pontotoc County

7 S Fittstown 18 1340CST 0 0 **Hail (0.75)**

Murray County

Sulphur 18 1400CST 0 0 **Flash Flood**

The police department reported that the city park was closed due to high water.

Pontotoc County

7 S Fittstown 18 1420CST 0 0 **Hail (0.75)**

Murray County

Sulphur 18 1435CST 0 0 **Flash Flood**

Several areas in the Chickasaw National Recreation Area were closed due to flash flooding.

Coal County

2 E Clarita 18 1525CST 0 0 0.10K **Thunderstorm Wind**

A three-foot diameter tree was uprooted.

Canadian County

Piedmont 18 1700CST 0 0 **Hail (0.75)**

Grady County

3 SW Rush Spgs 18 1733CST 0 0 **Thunderstorm Wind (G61)**

Comanche County

Lawton 18 1810CST 0 0 **Hail (1.75)**

KSWO-TV in Lawton received several reports of golfball-size hail.

Blaine County

5 S Canton 18 1815CST 0 0 **Hail (1.75)**

Blaine County

2 E Eagle City 18 1842CST 1845CST 0.5 75 0 0 **Tornado (F0)**

A tornado was observed east of Eagle City. It remained on the ground for about 3 minutes and caused tree and fence damage for about a half mile. Large trees along this path were uprooted and the tornado was rated F0.

Alfalfa County

9 W Cherokee 18 1855CST 0 0 0.01K **Thunderstorm Wind**

Numerous 8-12 inch diameter limbs were blown down.

Blaine County

Eagle City 18 1950CST 0 0 **Hail (1.00)**

Woods County

Freedom 18 1950CST 0 0 **Thunderstorm Wind (G52)**

Dewey County

3 E Oakwood 18 2000CST 0 0 **Hail (1.00)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OKLAHOMA, Western, Central and Southeast

Custer County

8 E Butler | **18** | **2010CST** | **0** | **0** | **Hail (1.00)**

Harper County

8 NE Buffalo | **18** | **2020CST** | **0** | **0** | **Hail (1.00)**

Harper County

8 NE Buffalo | **18** | **2020CST** | **0** | **0** | **Thunderstorm Wind (G61)**

Woods County

Alva | **18** | **2030CST** | **0** | **0** | **7.5K** | **Thunderstorm Wind**

Severe thunderstorm winds completely destroyed a shed and damaged all other buildings on a farm just southeast of Alva.

Woods County

4 NW Plainview | **18** | **2030CST** | **0** | **0** | **0.01K** | **Thunderstorm Wind**

Tree limbs up to four inches in diameter were blown from trees.

Blaine County

3 W Watonga | **18** | **2045CST** | **0** | **0** | **5K** | **Thunderstorm Wind**

Severe thunderstorm winds bent road signs over on Highway 33.

Custer County

Clinton | **18** | **2100CST** | **0** | **0** | **Flash Flood**

Two intersections in town were closed due to flash flooding.

Blaine County

Watonga | **18** | **2200CST** | **0** | **0** | **Flash Flood**

After 4.92 inches of rain in only a few hours, several homes in town were flooded.

Stephens County

Marlow | **19** | **0156CST** | **0** | **0** | **40K** | **Lightning**

Lightning struck and set fire to a house, completely gutting the home.

Alfalfa County

Burlington | **20** | **1205CST** | **0** | **0** | **Hail (2.00)**
1230CST

Alfalfa County

Burlington | **20** | **1215CST** | **0** | **0** | **75K** | **Thunderstorm Wind (G69)**
1300CST

A combination of severe thunderstorm winds estimated at 80 mph and 2-inch hail blew out nearly all of the north-facing windows at the Alfalfa County School. Damage to the school was estimated at $25,000, but no injuries occurred since the students and teachers had moved to a storm shelter. Throughout the town of Burlington, trees up to 10 inches in diameter were blown over, power lines were blown down, and numerous homes received roof and window damage from the wind and hail.

Alfalfa County

6 W Ingersoll | **20** | **1220CST** | **0** | **0** | **10K** | **Thunderstorm Wind**

Severe thunderstorm winds blew an empty cattle tractor-trailer over into a ditch.

Alfalfa County

Cherokee | **20** | **1225CST** | **0** | **0** | **Hail (0.88)**

Woods County

8 NE Lookout | **20** | **1235CST** | **0** | **0** | **Hail (1.00)**

Woodward County

18 NE Mooreland | **20** | **1255CST** | **0** | **0** | **Hail (1.75)**

Alfalfa County

Burlington | **20** | **1300CST** | **0** | **0** | **Hail (1.00)**

Alfalfa County

4 NW Goltry | **20** | **1300CST** | **0** | **0** | **Hail (0.88)**

Woodward County

10 N Mooreland | **20** | **1310CST** | **0** | **0** | **Hail (1.75)**

Alfalfa County

Driftwood | **20** | **1315CST** | **0** | **0** | **Hail (1.00)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OKLAHOMA, Western, Central and Southeast

Alfalfa County

Driftwood **20** **1315CST** **0** **0** **0.01K** **Thunderstorm Wind**

Several tree limbs were blown down by severe winds.

Alfalfa County

Cherokee **20** **1330CST** **0** **0** **Hail (1.00)**

Alfalfa County

Cherokee **20** **1330CST** **0** **0** **Thunderstorm Wind (G61)**

Twelve doors were blown off of an airport hangar at Cherokee Municipal Airport. Numerous limbs were also downed in the Cherokee area.

Alfalfa County

Goltry **20** **1340CST** **0** **0** **Hail (0.88)**

Dewey County

5 E Vici **20** **1400CST** **0** **0** **Hail (1.75)**

Dewey County

4 NW Camargo **20** **1425CST** **0** **0** **Thunderstorm Wind (G54)**

Ellis County

2 S Harmon **20** **1430CST** **0** **0** **Hail (0.75)**

Ellis County

10 E Arnett **20** **1435CST** **0** **0** **Hail (1.75)**

Custer County

6 NE Moorewood **20** **1455CST** **0** **0** **Hail (0.75)**

Woodward County

Mutual **20** **1514CST** **0** **0** **Hail (1.25)**

Custer County

5 SW Butler **20** **1515CST** **0** **0** **Thunderstorm Wind (G52)**

measured at the Oklahoma Mesonet site

Roger Mills County

1 NW Hammon **20** **1515CST** **0** **0** **Hail (0.88)**

Custer County

5 SW Butler **20** **1520CST** **0** **0** **Thunderstorm Wind (G53)**

measured at the Oklahoma Mesonet site

Custer County

3 W Foss Lake **20** **1530CST** **0** **0** **Hail (1.00)**

Custer County

3 W Foss Lake **20** **1530CST** **0** **0** **Thunderstorm Wind (G61)**

Roger Mills County

3 SW Hammon **20** **1530CST** **0** **0** **Hail (1.00)**

Beckham County

Elk City **20** **1553CST** **0** **0** **0.75K** **Hail (1.75)**

Hail as large as golf balls broke several windows and knocked holes in the siding of a house.

Roger Mills County

1 N Angora **20** **1600CST** **0** **0** **Hail (1.75)**

Beckham County

2 E Delhi **20** **1620CST** **0** **0** **Hail (0.88)**

Beckham County

Elk City **20** **1625CST** **0** **0** **1K** **Thunderstorm Wind (G61)**

Severe thunderstorm winds estimated at 70 mph downed trees, fences, and tree limbs.

Summary of events of August 20, 1997:

Severe thunderstorms moved across northern and western Oklahoma, producing large hail and damaging winds. The town of Burlington in Alfalfa County was particularly hard-hit, as a combination of 2-inch hail and winds estimated at 80 mph caused

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OKLAHOMA, Western, Central and Southeast

major damage across the town. Wind damage was also reported west of Ingersoll, in Driftwood, and in Cherokee in Alfalfa County and in Elk City in Beckham County.

See preceding individual Storm Data entries for further details and additional reports.

Alfalfa County

2 W Burlington | **22** | **0045CST** | **0** | **0** | **0.01K** | **Thunderstorm Wind**

Tree limbs up to six inches in diameter were blown from trees.

Grant County

12 NW Medford | **22** | **0050CST** | **0** | **0** | **0.01K** | **Thunderstorm Wind**

Tree limbs up to three inches in diameter were blown from trees.

Woods County

Alva | **22** | **0115CST** | **0** | **0** | **0.01K** | **Thunderstorm Wind**

Tree limbs up to four inches in diameter were blown from trees.

Woods County

Alva | **22** | **0130CST** | **0** | **0** | **0.01K** | **Thunderstorm Wind**

Tree limbs up to ten inches in diameter were blown from trees.

Alfalfa County

7 WNW Cherokee | **22** | **0145CST** | **0** | **0** | **10K** | **Thunderstorm Wind (G52)**

Severe winds estimated at 60 mph ahead of a thunderstorm overturned an empty cattle tractor trailer.

Kay County

Ponca City Arpt | **22** | **0157CST** | **0** | **0** | | **Thunderstorm Wind (G52)**

measured at the Ponca City airport

Alfalfa County

Goltry | **22** | **0200CST** | **0** | **0** | **0.01K** | **Thunderstorm Wind**

Tree limbs up to four inches in diameter were blown from trees.

Harper County

Laverne | **22** | **0200CST** | **0** | **0** | **0.50K** | **Thunderstorm Wind (G61)**

Power lines and tree limbs up to six inches in diameter were blown down. Part of a roof was blown off of a building.

Major County

Isabella | **22** | **0200CST** | **0** | **0** | **0.01K** | **Thunderstorm Wind (G56)**

Tree limbs were blown from trees.

Major County

3 S Isabella | **22** | **0200CST** | **0** | **0** | **0.10K** | **Thunderstorm Wind**

Trees and limbs up to one foot in diameter were blown down.

Harper County

May | **22** | **0215CST** | **0** | **0** | **2K** | **Thunderstorm Wind**

A power tower and power lines were blown down.

Woods County

8 NE Lookout | **22** | **0215CST** | **0** | **0** | **0.01K** | **Thunderstorm Wind**

Tree limbs up to six inches in diameter were blown from trees.

Woodward County

Woodward | **22** | **0215CST** | **0** | **0** | **75K** | **Thunderstorm Wind**

A roof was blown off of an apartment building.

Noble County

Perry | **22** | **0230CST** | **0** | **0** | **0.01K** | **Thunderstorm Wind**

Tree limbs up to six inches in diameter were blown from trees.

Dewey County

4 WNW Camargo | **22** | **0245CST** | **0** | **0** | | **Thunderstorm Wind (G62)**

measured at the Oklahoma Mesonet site

Dewey County

3 N Putnam | **22** | **0300CST** | **0** | **0** | | **Thunderstorm Wind (G54)**

measured at the Oklahoma Mesonet site

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OKLAHOMA, Western, Central and Southeast

Custer County

Weatherford | **22** | **0310CST** | | | **0** | **0** | **25K** | | **Thunderstorm Wind**

Severe thunderstorm winds downed limbs, trees, fences, and several signs.

Custer County

4 WSW Weatherford | **22** | **0330CST** | | | **0** | **0** | | | **Thunderstorm Wind (G58)**

measured at the Oklahoma Mesonet site

Washita County

4 WNW Bessie | **22** | **0335CST** | | | **0** | **0** | | | **Thunderstorm Wind (G73)**

measured at the Oklahoma Mesonet site

Washita County

4 WNW Bessie | **22** | **0340CST** | | | **0** | **0** | | | **Thunderstorm Wind (G50)**

measured at the Oklahoma Mesonet site

Washita County

1 W Cordell | **22** | **0345CST** | | | **0** | **0** | **0.50K** | | **Thunderstorm Wind**

Severe thunderstorm winds snapped power poles along Hwy 152.

Kiowa County

Hobart | **22** | **0409CST** | | | **0** | **0** | | | **Thunderstorm Wind (G51)**

Caddo County

4 NNW Ft Cobb | **22** | **0410CST** | | | **0** | **0** | | | **Thunderstorm Wind (G60)**

measured at the Oklahoma Mesonet site

Caddo County

Carnegie | **22** | **0415CST** | | | **0** | **0** | **50K** | | **Thunderstorm Wind**

Severe thunderstorm winds removed part of the roof from a junior high school, tossed an irrigation system across a field, snapped utility poles, and severely damaged a business.

Caddo County

Ft Cobb | **22** | **0415CST** | | | **0** | **0** | **12K** | | **Thunderstorm Wind**

Severe thunderstorm winds snapped trees and large limbs and turned a large storage building on its side.

Caddo County

Anadarko | **22** | **0420CST** | | | **0** | **0** | **1K** | | **Thunderstorm Wind**

Severe thunderstorm winds uprooted trees, snapped large limbs, and tossed a trampoline onto a truck windshield.

Caddo County

Cyril | **22** | **0430CST** | | | **0** | **0** | **1K** | | **Thunderstorm Wind**

Severe thunderstorm winds knocked down 3/4 of a brick wall at an elementary school.

Comanche County

Lawton | **22** | **0430CST** | | | **0** | **0** | **25K** | | **Thunderstorm Wind**

Severe thunderstorm winds downed power lines, limbs, and trees throughout Lawton and Fort Sill. Windows were also blown out on Fort Sill.

Comanche County

3 W Medicine Park | **22** | **0440CST** | | | **0** | **0** | | | **Thunderstorm Wind (G52)**

measured at the Oklahoma Mesonet site

Comanche County

3 W Medicine Park | **22** | **0445CST** | | | **0** | **0** | | | **Thunderstorm Wind (G52)**

measured at the Oklahoma Mesonet site

Comanche County

3 W Medicine Park | **22** | **0455CST** | | | **0** | **0** | | | **Thunderstorm Wind (G53)**

measured at the Oklahoma Mesonet site

Grady County

2 NNW Ninnekah | **22** | **0500CST** | | | **0** | **0** | | | **Thunderstorm Wind (G50)**

measured at the Oklahoma Mesonet site

Grady County

4 WNW Rush Spgs | **22** | **0500CST** | | | **0** | **0** | | | **Thunderstorm Wind (G67)**

measured at the Oklahoma Mesonet site

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OKLAHOMA, Western, Central and Southeast

Comanche County

Lawton	**22**	**0511CST**			**0**	**0**			**Thunderstorm Wind (G56)**

Grady County

4 WNW Rush Spgs	**22**	**0515CST**			**0**	**0**			**Thunderstorm Wind (G54)**

measured at the Oklahoma Mesonet site

Grady County

Chickasha	**22**	**0520CST**			**0**	**0**	**50K**		**Thunderstorm Wind**

Severe thunderstorm winds blew 2/3 of the roof off a convenience store, flipped a travel trailer onto a car, lifted another trailer and blew it onto a fence, and blew the roofs off several barns.

Stephens County

1 NE Marlow	**22**	**0522CST**			**0**	**0**			**Thunderstorm Wind (G65)**

Stephens County

Marlow	**22**	**0530CST**			**0**	**0**	**0.50K**		**Thunderstorm Wind**

Trees and power lines were blown down.

Tillman County

Grandfield	**22**	**0530CST**			**0**	**0**	**0.01K**		**Thunderstorm Wind**

Severe thunderstorm winds downed tree limbs.

Stephens County

1 NE Marlow	**22**	**0538CST**			**0**	**0**			**Thunderstorm Wind (G65)**

Garvin County

4 SW Lindsay	**22**	**0555CST**			**0**	**0**	**0.01K**		**Thunderstorm Wind**

Tree limbs up to four inches in diameter were blown from trees.

Jefferson County

1 N Ringling	**22**	**0610CST**			**0**	**0**			**Thunderstorm Wind (G54)**

measured at the Oklahoma Mesonet site

Carter County

5 SW Wilson	**22**	**0645CST**			**0**	**0**			**Thunderstorm Wind (G56)**

Winds blew over a swingset and blew tree limbs up to two inches in diameter from trees. Shingles were also blown off of homes.

Summary of events of the very early morning hours of August 22, 1997:

A cluster of severe thunderstorms moved rapidly south out of southern Kansas and into northern Oklahoma shortly after midnight (CST) on the 22nd. The storms moved almost due south across the western portions of Oklahoma during the early morning hours, leaving a trail of severe wind damage in their wake. The highest measured wind speed reached 84 mph, measured at the Oklahoma Mesonet site near Bessie in Washita County. Reports of tree, limb, fence, sign, and power line damage were common, stretching from Harper to Kay County along the Oklahoma/Kansas border and then southward across the state to as far south as Tillman and Carter Counties in extreme southern Oklahoma. Structural wind damage was reported near Cherokee in Alfalfa County, in Laverne and May in Harper County, in Woodward in Woodward County, in Carnegie, Cyril, and Fort Cobb in Caddo County, in Fort Sill in Comanche County, in Chickasha in Grady County, and near Wilson in Carter County.

See preceding individual Storm Data entries for further details and additional reports.

OREGON, Central and East

Wheeler County

Winlock to Spray	**01**	**1600PST 1720PST**			**0**	**0**			**Hail (1.25)**

Weather spotters reported hail between 0.5 and 1.25 inches.

Grant County

Kimberly to Dale	**01**	**1715PST 1740PST**			**0**	**0**			**Hail (0.75)**

A thunderstorm produced hail up to 3/4 inch.

Umatilla County

Ukiah	**01**	**1740PST 1750PST**			**0**	**0**			**Hail (0.75)**

A weather spotter reported 3/4 inch hail.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

OREGON, Central and East

Crook County

Prineville **01** **1840PST** **0** **0** **Hail (0.75)**
1900PST

Weather spotters reported hail between .5 and .75 of an inch...covering the ground in places. One spotter reported 0.70 of an inch of rain in twenty minutes.

Umatilla County

Umatilla **24** **0413PST** **0** **0** **Thunderstorm Wind (G52)**

Oregon Port of Entry reported a thunderstorm wind gust to 60 mph.

Umatilla County

Pendleton **24** **0455PST** **0** **0** **Thunderstorm Wind (G51)**

Thunderstorm wind gusted to 59 mph at the Pendleton Airport.

ORZ018 Columbia Deschutes Plateau

06 **1830PST** **0** **0** **Flood**
1900PST

Forest Service reported that a road washed out near Izee.

Crook County

Prineville **31** **1703PST** **0** **0** **Hail (0.75)**
1730PST

A weather spotter at Prineville Resevoir State Park reported dime sized hail and up to an inch of rain in 30 minutes. Another spotter three miles north of Prineville Resevoir reported marble sized hail.

OREGON, Northwest

NONE REPORTED.

OREGON, Southeast

NONE REPORTED.

OREGON, Southwest

Jackson County

Central Pt **01** **1701PST** **0** **0** **Hail (0.75)**

Jackson County

White City **01** **1701PST** **0** **0** **Hail (0.75)**

Jackson County

Central Pt **01** **1707PST** **0** **0** **Hail (1.38)**

REPORTED BY NWS EMPLOYEE

Jackson County

White City **01** **1740PST** **0** **0** **Hail (0.75)**

Klamath County

Crescent Lake **01** **1845PST** **0** **0** **Flash Flood**

HWY PATROL REORTED FAST FLOWING WATER ALONG HWY 58 AND SOME DEBRIS WATCHED ONTO THE HWY

.

PACIFIC

NOT RECEIVED.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
PENNSYLVANIA, Central									
Cumberland County									
Carlisle	**04**	**1700EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Winds took down trees and powerlines just south of Carlisle.									
York County									
Franklintown	**04**	**1710EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Thunderstorms blew down trees.									
Franklin County									
Dry Run	**05**	**1750EST**			**0**	**0**			**Hail (0.75)**
Somerset County									
Windber	**12**	**1600EST 1830EST**			**0**	**0**			**Flash Flood**
Three inches of rain in 90 minutes flooded streets and basements. Water was 3 feet deep in some streets in Windber.									
Blair County									
Tyrone	**15**	**1805EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees and wires down between Tyrone and Tipton.									
Warren County									
Spring Creek	**16**	**1100EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees and wires down.									
Warren County									
Warren	**16**	**1135EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees down.									
Mckean County									
Mt Jewett	**16**	**1145EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Tree fell on outbuilding.									
Elk County									
Russell City	**16**	**1200EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Mckean County									
Bradford	**16**	**1200EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Tree fell on a trailer.									
Mckean County									
Kane	**16**	**1200EST**			**0**	**0**			**Hail (1.00)**
Quarter size hail.									
Elk County									
Johnsonburg	**16**	**1215EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees down.									
Potter County									
Galeton	**16**	**1250EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Many trees down.									
Clearfield County									
Clearfield	**16**	**1300EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees down in Clearfield and Curwensville.									
Cameron County									
Emporium	**16**	**1300EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees and traffic light blown down.									
Tioga County									
Wellsboro	**16**	**1300EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees down.									
Lycoming County									
Cedar Run	**16**	**1304EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Winds took down a swath of trees in the Cedar Run area and blew over a shed.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

PENNSYLVANIA, Central

Clinton County

Westport — **16** — **1305EST** — **0** — **0** — **Thunderstorm Wind (G51)**

Trees down.

Centre County

Philipsburg — **16** — **1330EST** — **0** — **0** — **Thunderstorm Wind (G51)**

Trees down.

Clinton County

Lock Haven — **16** — **1330EST** — **0** — **0** — **Thunderstorm Wind (G51)**

Trees and wires down.

Tioga County

Tioga — **16** — **1340EST** — **0** — **0** — **Thunderstorm Wind (G51)**

Trees down.

Lycoming County

Montoursville — **16** — **1354EST** — **0** — **0** — **Thunderstorm Wind (G50)**

Trees down and a gust to 58 mph at airport.

Sullivan County

Eagles Mere — **16** — **1400EST** — **5** — **50** — **0** — **1** — **Tornado (F1)**
1410EST

41/24/39N, 76/40/51W to 41/25N, 76/35W. Woman age 45 was injured by falling tree while hiking near High Knob in Wyoming State Forest.

Sullivan County

Eagles Mere — **16** — **1405EST** — **2** — **50** — **0** — **0** — **Tornado (F1)**
1410EST

41/24N, 76/37W to 41/24N, 76/35W. A large area of downburst winds struck sections of Sullivan County from Hillsgrove east across Eagles Mere to Laporte and Dushore. While most of the damage was straight line wind, at least two locations in the Eagles Mere area had evidence of rotation indicative of a tornado. The first path with apparent rotation began near High Knob in Wyoming State Forest. The storm moved east taking down trees on an intermittent path for 5 miles into Eagles Mere.
The second path with evident rotation crossed Route 42 north of the airport and moved east crossing Laporte Avenue on the south side of the borough of Eagles Mere. Again, although most of the damage was downburst in origin, there were small areas with good indication of rotation in the winds.
Eyewitness accounts told of rotating debris, and several remarked of hearing of funnel cloud reports, but no visual witness of a funnel was located. Nearly all of the damage was to trees, although one tree fell and demolished a vehicle at the beach on the north side of Eagles Mere Lake. Fortunately, all boats on the lake had been called in because of the early alerts, and trips on the motor launch that carries passengers around the lake had been suspended for the day because of the threat of severe weather.

Lycoming County

Muncy — **16** — **1410EST** — **0** — **0** — **Thunderstorm Wind (G51)**

Trees down, G60 mph.

Sullivan County

Nordmont — **16** — **1410EST** — **0.5** — **50** — **1** — **0** — **Tornado (F1)**
1415EST

41/20/13N, 76/19/37W to 41/20/06N, 76/18/43W. The Ricketts Glen tornado was another example of tornadic winds embedded within a wider area of downburst damage. Downburst damage covered an area of about 3 miles wide from Ganoga Lake southeast to Lake Jean. An eyewitness at Ganoga Lake described a cloud of water being lifted off the surface of the lake. Another told of seeing a catamaran being lifted about 30 feet off the lake surface and thrown towards shore. The tornado appeared to cross Lake Jean and end in a campground. A 15-year old youth was fatally injured there when a tree was blown onto his tent. Other campers in tents narrowly missed injury.
M15CA

Union County

New Columbia — **16** — **1415EST** — **0** — **0** — **Thunderstorm Wind (G51)**

Trees down.

Columbia County

Millville — **16** — **1420EST** — **0** — **0** — **Thunderstorm Wind (G51)**

Montour County

Mooresburg — **16** — **1445EST** — **0** — **0** — **Thunderstorm Wind (G52)**

Winds were measured at 60 mph and wires were blown down in Catawissa.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
PENNSYLVANIA, Central									
Northumberland County									
Northumberland	**16**	**1445EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Tree down on a house and vehicle.									
Snyder County									
Selinsgrove	**16**	**1445EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees down across eastern parts of the county.									
Northumberland County									
Milton	**16**	**1450EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees down.									
Clinton County									
Lamar	**16**	**1500EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Telephone pole down.									
Montour County									
Danville	**16**	**1500EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees down near Danville.									
Clearfield County									
Irvona	**16**	**1930EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees were down on a farmhouse near Irvona. Trees also down in Kylertown.									
Schuylkill County									
Pottsville	**16**	**2015EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees were reported down across the county between 9:15 pm and 9:45 pm.									
Centre County									
Bellefonte	**16**	**2030EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees down in Bellefonte and Axemann.									
Mifflin County									
Milroy	**16**	**2108EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees were reported down in Milroy and other parts of the county.									
Lancaster County									
Adamstown	**16**	**2140EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Thunderstorms took down trees and hail as large as 1 inch broke windows in Adamstown.									
Somerset County									
Berlin	**17**	**1554EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees down.									
Bedford County									
Chaneysville	**17**	**1630EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Trees and powerlines down.									
Franklin County									
Mercersburg	**17**	**1715EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Tree limbs and powerlines down in Mercersburg and Waynesboro.									
Lycoming County									
Muncy	**28**	**1520EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Large tree blown down in Muncy.									
York County									
York	**28**	**1620EST**			**0**	**0**			**Thunderstorm Wind (G51)**
Wires were blown down in York and Red Lion.									
PENNSYLVANIA, East									
Delaware County									
Chester	**13**	**1845EST**			**0**	**0**	**1K**	**0**	**Lightning**
Delaware County									
Chester	**13**	**1900EST**			**0**	**0**	**25K**	**0**	**Lightning**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

PENNSYLVANIA, East

A thunderstorm with frequent lightning struck a home and the steeple of the Word of Life Ministries Church in Chester. No major damage occurred to the house, but the lightning tore the siding from the church's steeple and caused a surge of electricity that spat flames out of the electrical sockets and switches. The ensuing heavy rain then caused a 9 foot by 9 foot section of the weakened roof to come crashing down in the church's vestibule. No injuries were reported.

PAZ060-067>071 Berks - Chester - Montgomery - Bucks - Delaware - Philadelphia

	16	**0900EST**	**2**	**0**			**Excessive Heat**
	17	**1900EST**					

The weekend of August 16th and 17th brought some of the hottest and most humid air of the summer into Southeastern Pennsylvania. High temperatures in most places reached well into the 90s, while dew point temperatures (an indication of how humid the air mass is) were as high as the mid 70s. The apparent temperature or heat index in Philadelphia on the 16th reached between 110 and 115 degrees. Two more heat related deaths occurred within Philadelphia and this brought the final total of heat related deaths in Philadelphia to 33 for the summer of 1997. The highest temperatures this weekend (on Saturday the 16th for most locations) included 100 degrees at Crum Creek (delaware County), 99 degrees at the Franklin Institute in Philadelphia, 98 degrees at the Philadelphia International Airport (a new record for the 16th), Green Lane (Montgomery County) and Levittown (Bucks County), 97 degrees in Reading (Berks County) and Valley Forge (Montgomery County) and 96 degrees in New Hope (Bucks County) and Hamburg (Berks County). The hot spell ended abruptly as a strong cold front moved through the region late on the 17th.

M88PH, F53PH

Monroe County

Pocono Lake	**16**	**1510EST**	**0**	**0**		**0**	**Thunderstorm Wind**

Monroe County

Kresgeville to 6 NE East Stroudsburg	**16**	**1520EST**	**0**	**3**		**0**	**Thunderstorm Wind (G74)**
		1525EST					

A squall line of severe thunderstorms moved through Monroe County and caused straight-line wind damage across the county, especially along the southern tier with Smithfield Township and the Delaware Water Gap National Recreational Area hit the hardest. Three persons were injured within the recreational area as cars and campers were pelted by falling trees and limbs. Wind gusts in Smithfield Township were estimated at 85 mph. Other wind gusts along the county's southern tier were measured as strong as 70 mph. Wind damage was also reported elsewhere in the county, particularly in Pocono Lake where numerous trees were uprooted. By far the worst damage occurred in and around Smithfield Township. Huge trees in the Spring Lake Development within the township were uprooted. Four major roadways within the town were closed because of downed trees, one for 26 hours. At least three homes were damaged by fallen trees. Windows were blown out from the East Stroudsburg High School and wind damage also occurred to the Hamilton School. Pennsylvania Power and Light reported 77,000 homes and businesses lost power during the storm in their service area in Northeast Pennsylvania, with about 8,000 of the outages in Monroe County. About 3,200 customers were still without power the night of the 17th. GPU also reported about 8,000 additional homes and businesses in their Monroe County service area also lost power.

Northampton County

Bath	**16**	**1525EST**	**0**	**0**	**100K**	**0**	**Lightning**

Northampton County

Countywide	**16**	**1525EST**	**0**	**0**			**Thunderstorm Wind (G55)**

A squall line of severe thunderstorms caused wind damage in Northampton County, especially across the northern tier border with Monroe County. Scores of downed trees were reported. Downed trees blocked sections of Pennsylvania State Route 611 in Lower Mount Bethel Township. The severe thunderstorms also downed trees in Bangor, Bath, Fords, Moore Township, Roseto and Upper Mount Bethel Township. In Easton, numerous trees were knocked down and one tree crushed a vehicle. In Bethlehem, the damaging winds lifted the roof off a stage at the Musikfest celebration. Pennsylvania Power and Light reported about 8,000 homes and businesses lost power in the storm. In addition to the strong winds, lightning ignited a fire that ran through a row of townhouses in Bath. Six families were left homeless.

Lehigh County

Germansville to Coopersburg	**16**	**1533EST**	**0**	**0**			**Thunderstorm Wind (G50)**

A squall line of severe thunderstorms knocked down numerous trees and caused power outages, mainly in the northeast half of Lehigh County including the city of Bethlehem. About 1,200 homes and businesses lost power in the county, mainly due to the fallen trees tearing down power lines.

Bucks County

Doylestown	**16**	**1632EST**	**0**	**0**		**0**	**Thunderstorm Wind**

A severe thunderstorm pulled down wires and snapped a few telephone poles within Bucks County. Most of the reports of downed wires came from Doylestown and New Hope. About 4,000 homes and businesses lost power in the northern Philadelphia suburbs

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

PENNSYLVANIA, East

due to the high wind and lightning.

Chester County

Sadsburyville **16** **2045EST** **0** **0** **Thunderstorm**

Chester County

West Chester **16** **2100EST** **0** **0** **Thunderstorm**

A strong thunderstorm pulled down tree limbs in Parkesburg-Sadsbury and also in West Whiteland and West Goshen Townships.

Delaware County

Broomall to Springfield **17** **2015EST** **0** **0** **300K** **Thunderstorm Wind**

A compact, but severe thunderstorm, caused considerable wind damage in Haverford, Marple and Springfield Townships in Delaware County. Springfield Township suffered the most damage as the roof was ripped off and the windows blown out from Ferraro Cadillac. The subsequent rain damaged the showroom further. The roof of St Kevin's Child Care Center was punctured by tree limbs. In residential areas the worst damage occurred on Leamy Avenue, Powell Road and Saxer Avenue where numerous trees were either snapped or uprooted. About 20 trees were also damaged on the Springfield Golf Course. In Marple Township, the worst damage occurred around Berkley Road. Every utility pole on that block was snapped in two. Trees fell on two houses, one fell through the roof of one house and punched a hole in the bedroom wall. The roof was partially torn off another home, In Haverford Township trees and wires blocked one road. No injuries were reported. Damage to the Cadillac dealership alone was estimated at $200,000.

Philadelphia County

Philadelphia **17** **2035EST** **0** **0** **0** **Thunderstorm Wind**

A severe thunderstorm moved through the city of Philadelphia and downed trees and wires. Hardest hit was the North Philadelphia area. About 43,000 customers in the PECO Energy service area lost power this evening, 9,000 of them were within Philadelphia. A wind gust of 52 mph was recorded at the Philadelphia International Airport.

Chester County

2 N Kennett Square **28** **1935EST** **0** **0** **Lightning**

Chester County

Pocopson **28** **1945EST** **0** **0** **Lightning**

Frequent lightning caused two fires in Chester County the evening of the 28th. One forced the evacuation of 150 residents from the Pocopson Nursing Home after an electrical fire started. The second burned a barn completely to the ground in East Marlborough Township. The flames from the second fire were visible for two miles. No injuries were reported from either fire.

PENNSYLVANIA, Northeast

PAZ038>040-043>044-047>048 Bradford - Susquehanna - Wayne - Wyoming - Lackawanna - Luzerne - Pike

01 **0000EST** **0** **0** **1.4M** **Drought**
31 **2359EST**

A very dry summer finally culminated in major crop failures come harvest time towards the end of August. Sweet corn and tomatoes, two of the major money making crops for small farmers in northeast Pennsylvania, appeared to suffer some of the worst damage.

According to figures from some of the individual farmers themselves and also the Pennsylvania State Agricultural Extension Service, losses nearing 1.5 million dollars were tallied. Financial assistance was granted in many cases.

Precipitation figures at the Wikes-Barre Scranton airport and other cooperative sites across the region averaged less than 30% of normal for the period from June 1st to the end of August. At long last, a couple of more significant rainfall events began to ease the situation at the very end of August.

Bradford County

Troy to Grover **16** **1335EST** **1345EST** **0** **0** **15K** **Thunderstorm Wind**

A line of severe thunderstorms rapidly crossed the county from west to east. Widespread wind damage, mainly in the form of downed trees and power lines, was reported from the Troy and Canton areas eastward into central portions of the county near Smithfield and Grover townships.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

PENNSYLVANIA, Northeast

Susquehanna County

Susquehanna to Gibson	**16**	**1430EST 1450EST**			**0**	**0**	**25K**		**Thunderstorm Wind**

The same squall line that produced wind damage earlier in Bradford county roared through Susquehanna county as well. Most of the reported damage occurred in eastern sections of the county on a line from Susquehanna township southward to the Gibson area. Numerous large trees were downed along route 92 in Susquehanna township. One of these trees landed on a pickup truck.

Wyoming County

Mehoopany to Factoryville	**16**	**1430EST 1450EST**			**0**	**0**	**35K**		**Thunderstorm Wind**

Fast moving severe thunderstorms ripped across the county from west to east. Widespread wind damage, mostly uprooted trees and isolated siding damage to some homes, occurred in a band from Mehoopany eastward across Tunkhannock to the Factoryville area.

Luzerne County

Harveys Lake to Glen Lyon	**16**	**1435EST 1445EST**			**0**	**0**	**15K**		**Thunderstorm Wind**

The tail end of a line of severe thunderstorms produced widespread wind damage across northern and central portions of the county. Several large trees were uprooted in Harvey's Lake and more trees and utility poles came down in the Glen Lyon, Nanticoke, and Jackson township areas.

Lackawanna County

Moosic to East Benton	**16**	**1445EST 1455EST**			**0**	**0**	**20K**		**Thunderstorm Wind (G50)**

The same group of severe thunderstorms that caused wind damage in Luzerne county moved through the southern half of Lackawanna county. A wind gust to 58 mph was recorded by a spotter in Moosic township and many trees and power lines were knocked down in East Benton.

Wayne County

Lake Ariel to Hawley	**16**	**1510EST 1530EST**			**1**	**0**	**45K**		**Thunderstorm Wind**

Severe thunderstorms continued to plow eastward across northern Pennsylvania and produced more extensive wind damage over southern sections of the county. Many large trees and power lines were toppled in an area from Lake Ariel eastward to the Hawley vicinity. A man was killed while sailing on Lake Wallenpaupack when strong winds capsized his vessel.
M48BO

Pike County

Lackawaxen to Milford	**16**	**1530EST 1550EST**			**0**	**0**	**15K**		**Thunderstorm Wind**

The cluster of severe thunderstorms that produced wind damage in southern Wayne county continued to inflict damage over northern sections of Pike county. Trees and power lines were downed in a narrow stripe from Lackawaxen eastward to the Port Jervis and Milford areas.

Wayne County

Equinunk	**28**	**1714EST**			**0**	**0**	**10K**		**Thunderstorm Wind**

A thunderstorm briefly pulsed to severe limits along and just west of the Delaware River. Some trees were toppled by strong wind gusts in the town of Equinunk.

PENNSYLVANIA, Northwest

Crawford County

Meadville	**12**	**2140EST**			**0**	**0**	**5K**		**Thunderstorm Wind**

Trees were downed.

Erie County

Erie	**16**	**1030EST**			**0**	**0**	**50K**		**Thunderstorm Wind**

A large building in Millcreek was destroyed.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

PENNSYLVANIA, Northwest

Erie County

Edinboro | **16** | **1035EST** | | | **0** | **0** | **5K** | | **Thunderstorm Wind**

Trees were downed.

Crawford County

Meadville | **16** | **1039EST** | | | **0** | **0** | **50K** | | **Thunderstorm Wind**

Up to 100 trees and many power lines were downed, and the county fair was left in shambles.

Erie County

Union City | **16** | **1730EST** | **2** | **100** | **0** | **0** | **500K** | **3K** | **Tornado (F2)**

A tornado touched down and skipped along its path for several minutes. Twenty mobile homes were damaged and one was destroyed at the Maple Heights Trailer Court. A sixty by eighty foot block building was destroyed. Three houses and one business were damaged. A cornfield was flattened and several trees were downed.

Erie County

Erie | **21** | **1900EST** | | | **0** | **0** | | | **Waterspout**

A waterspout was reported on Lake Erie. It dissipated without coming ashore and no damage was reported.

PENNSYLVANIA, West

Allegheny County

Bakerstown Station | **12** | **2030EST** | | | **0** | **0** | **20K** | | **Lightning**

16 | **2030EST**

Lightning sparked a house fire that severely damaged the second floor.

Westmoreland County

1 W Derry to .8 NE Millwood | **15** | **1710EST** | **3.5** | **200** | **0** | **2** | **800K** | **10K** | **Tornado (F2)**

1714EST

A severe thunderstorm produced a tornado that produced substantial damage in a residential area east-northeast of Latrobe along the foothills of the Chestnut Ridge. The tornado first touched down 1 mile west of Derry. The tornado completely destroyed a large tier of metal stadium bleachers at a high school football field and wrapped them against a utility pole. A nearby roof of a business was damaged and a mobile home was completely destroyed and a few mobile homes sustained damage. The tornado then tracked through a rural area, damaging some farm buildings and downing field corn. The tornado continued its rapid (estimated forward speed 50-60 miles per hour) northeast track and caused significant damage in a mobile home park in Derry. The tornado crossed Route 217 and downed trees across railroad tracks and then entered a residential area in Millwood. One frame house in Millwood was severely damaged and part of a room addition collapsed and trapped a resident, who was treated at the scene. A resident of a mobile home sustained minor injuries as well. Numerous trees were uprooted and large branches and power lines were downed along the track of the storm.

One home along Route 217 had a branch embedded into the house siding. The tornado was estimated to have wind speeds of between 90 and 120 miles per hour, briefly attaining an F-2 rating on the Fujita Tornado Scale.

All tolled, 7-8 mobile homes were destroyed (3 totally decimated), 10-12 sustained major damage, 15-18 sustained minor damage. One frame house was heavily damaged and about 10 sustained minor damage. One car was destroyed when a tree fell on it. Parked next to the auto was another car with two occupants that were not injured. About 10 other cars were damaged. An open-air church in Millwood was also heavily damaged. The tornado appeared to have dissipated as it entered the heavily wooded slopes of the Chestnut Ridge.

Lawrence County

Enon | **16** | **0225EST** | | | **0** | **0** | **3K** | | **Thunderstorm Wind**

Thunderstorm winds fell a tree onto a house in Enon Valley, causing minor damage.

Lawrence County

Ellwood City | **16** | **0230EST** | | | **0** | **0** | **1K** | | **Thunderstorm Wind**

Trees were downed by thunderstorm winds onto Route 288.

Beaver County

New Galilee | **16** | **0230EST** | | | **0** | **0** | **10K** | | **Thunderstorm Wind**

Thunderstorm winds fell a tree onto a car. Also, a mobile home was moved and its skirting was torn from its base.

Beaver County

Koppel | **16** | **0235EST** | | | **0** | **0** | **3K** | | **Thunderstorm Wind**

Numerous trees were downed by thunderstorm winds, some onto Route 351.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

PENNSYLVANIA, West

Butler County

6 NE Butler — **16** — **0300EST** — **0** — **0** — **3K** — **Thunderstorm Wind**

Trees and power lines were downed, some onto Route 38.

Mercer County

Greenville — **16** — **1058EST** — **0** — **0** — **4K** — **Thunderstorm Wind**

Several trees were downed by thunderstorm winds, some onto power lines.

Venango County

Polk — **16** — **1120EST** — **1130EST** — **0** — **0** — **4K** — **Thunderstorm Wind**

Several trees were downed by thunderstorm winds in Venango County, mainly in the western part of the county.

Butler County

Slippery Rock — **16** — **1205EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Thunderstorm winds fell trees near Slippery Rock.

Jefferson County

Brookville — **16** — **1220EST** — **0** — **0** — **3K** — **Thunderstorm Wind**

Several trees were downed by thunderstorm winds.

Jefferson County

Reynoldsville — **16** — **1230EST** — **0** — **0** — **3K** — **Thunderstorm Wind**

Several trees were downed by thunderstorm winds.

Venango County

Utica — **16** — **1614EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Thunderstorm winds downed trees.

An extremely unstable, moist air mass formed ahead of a cold front. The lifted index, a measure of instability, was near minus 11 and the Convective Available Potential Energy values approached 5000 joules/kilogram across southwest Pennsylvania. Widespread severe weather was reported throughout western Pennsylvania, much of East Central Ohio and Northern West Virginia throughout the afternoon and evening hours.

Mercer County

Greenville — **16** — **1629EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Thunderstorm winds downed trees.

Mercer County

5 W Greenville — **16** — **1643EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Thunderstorm winds downed trees.

Mercer County

Grove City — **16** — **1700EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Thunderstorm winds downed trees.

Venango County

Clintonville — **16** — **1700EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Trees were downed by thunderstorm winds.

Mercer County

Greenville — **16** — **1704EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Thunderstorm winds downed trees.

Venango County

2 N Cherrytree — **16** — **1705EST** — **0** — **1** — **Lightning**

Lightning struck a stage in an open amphitheatre in Cherry Township injuring a 47 year-old male security officer.

Mercer County

Mercer — **16** — **1710EST** — **0** — **0** — **Hail (0.75)**

Mercer County

2 W Sharon — **16** — **1740EST** — **0** — **0** — **10K** — **Thunderstorm Wind**

Thunderstorm winds caused substantial damage to the roof of a house.

Mercer County

Sharon to Grove City — **16** — **1745EST** — **1830EST** — **0** — **0** — **Flash Flood**

Thunderstorms caused substantial street flooding in Sharon and Grove City.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
PENNSYLVANIA, West									
Butler County									
Wick	**16**	**1745EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Trees were downed by thunderstorm winds.									
Lawrence County									
New Wilmington to Wilmington Jct	**16**	**1800EST**			**0**	**0**	**4K**		**Thunderstorm Wind**
Thunderstorm winds downed numerous trees and power lines.									
Lawrence County									
New Castle	**16**	**1830EST**			**0**	**0**	**4K**		**Thunderstorm Wind**
Thunderstorm winds downed numerous trees and power lines.									
Armstrong County									
Parker City	**16**	**1815EST**			**0**	**0**	**15K**		**Thunderstorm Wind**
Thunderstorm winds downed about 12 trees. One tree fell onto a house and another fell across 2 automobiles.									
Butler County									
Eau Claire	**16**	**1815EST**			**0**	**0**	**4K**		**Thunderstorm Wind**
Numerous trees were downed across the northern part of the county.									
Jefferson County									
Brockway	**16**	**1815EST**			**0**	**0**	**3K**		**Thunderstorm Wind**
Several trees and power lines were downed by thunderstorm winds.									
Clarion County									
West Freedom	**16**	**1830EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Several trees were downed by thunderstorm winds.									
Lawrence County									
Bessemer to Ellwood City	**16**	**1830EST 1840EST**			**0**	**0**	**4K**		**Thunderstorm Wind**
Numerous trees were downed by thunderstorm winds across the southern part of Lawrence County.									
Butler County									
Butler to Cooperstown	**16**	**1830EST 1840EST**			**0**	**0**	**4K**		**Thunderstorm Wind**
Thunderstorm winds downed numerous trees across the southern half of Butler County.									
Lawrence County									
Hillsville	**16**	**1832EST**			**0**	**0**			**Hail (0.75)**
Beaver County									
New Galilee	**16**	**1900EST**			**0**	**0**			**Hail (1.00)**
Beaver County									
Hazen	**16**	**1900EST**			**0**	**0**	**1K**		**Lightning**
Lightning struck and destroyed a shed.									
Indiana County									
Smicksburg	**16**	**1915EST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Thunderstorm winds downed a tree and large branches onto Route 954.									
Beaver County									
Industry	**16**	**1940EST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Thunderstorm winds downed a power line onto Route 68.									
Beaver County									
Ambridge	**16**	**2000EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Beaver County									
Baden	**16**	**2000EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Beaver County									
Economy	**16**	**2000EST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Numerous trees and power lines were downed throughout Economy, Baden and Ambridge.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

PENNSYLVANIA, West

Washington County

Washington	**16**	**2000EST**			**0**	**0**	**2K**		**Thunderstorm Wind**

A few trees were downed and a shed was destroyed by thunderstorm winds.

Washington County

West Middletown	**16**	**2000EST**			**0**	**0**	**5K**		**Thunderstorm Wind**

A large maple tree fell onto a camper. Numerous other trees were also downed nearby, some blocking roads.

Allegheny County

Sewickley Hgts	**16**	**2010EST**			**0**	**0**			**Hail (1.00)**

Allegheny County

Sewickley Hgts	**16**	**2010EST**			**0**	**0**	**2K**		**Thunderstorm Wind**

Several large limbs, up to 2 feet in diameter, were downed by thunderstorm winds.

Armstrong County

Apollo	**16**	**2015EST**			**0**	**0**	**1K**		**Thunderstorm Wind**

Armstrong County

3 E Schenley	**16**	**2015EST**			**0**	**0**	**1K**		**Thunderstorm Wind**

Trees were downed by thunderstorm winds in Apollo and Gilpin Township.

Washington County

3 SSE Washington	**16**	**2015EST**			**0**	**0**	**2K**		**Thunderstorm Wind**

Trees were downed by thunderstorm winds between Middletown and Taylorstown and on Clark Road in Buffalo Township.

Westmoreland County

1 N Greensburg	**16**	**2045EST**			**0**	**0**	**1K**		**Thunderstorm Wind**

A few trees were downed by thunderstorm winds.

Westmoreland County

Herminie to Ligonier	**16**	**2050EST 2100EST**			**0**	**0**	**4K**		**Thunderstorm Wind**

Numerous trees were downed by thunderstorm winds throughout the Westmoreland County.

Westmoreland County

Donegal	**16**	**2120EST**			**0**	**0**	**5K**		**Lightning**

Lightning sparked a barn fire.

Fayette County

Republic to Farmington	**16**	**2140EST 2200EST**			**0**	**0**	**5K**		**Thunderstorm Wind**

Numerous trees and some power lines were downed by thunderstorm winds throughout the county.

Greene County

1 NW Bobtown	**16**	**2200EST**			**0**	**0**	**1K**		**Thunderstorm Wind**

A large tree was downed by thunderstorm winds onto State Route 2023.

Fayette County

Grindstone	**17**	**1545EST**			**0**	**0**	**20K**		**Lightning**

Lightning sparked a roof fire at a store in Grindstone.

PUERTO RICO

Guanajibo

Hormigueros	**02**	**1540AST 1800AST**			**0**	**0**			**Heavy Rain**

Thunderstorms produced very heavy rains from Yauco and Maricao westward to Hormigueros.

Guayanilla Yauco

Yauco	**03**	**1345AST 1730AST**			**0**	**0**			**Heavy Rain**

Showers an thnuderstorms accompanied by heavy rains occurred across the muncipalities of Coamo, Penuelas, northern Ponce, and from Jayuya west Anasco.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm

PUERTO RICO

Bayamon

San Juan **08** **1345AST** **1600AST** **0** **0** **Urban/Sml Stream Fld**

A few thunderstorms produced heavy rains across the San Juan metropolitan area. Civil Defense reported street flooding in Hato Rey, Puerto Nuevo, and Rio Piedras.

Fajardo Rio Grande

Fajardo **08** **1700AST** **1715AST** **0** **0** **Funnel Cloud**

A pilot reported a funnel cloud one mile north of Palomino Island.

Bayamon

San Juan **09** **1235AST** **1435AST** **0** **0** **2.5K** **Urban/Sml Stream Fld**

A band of strong thunderstorms that extended from Loiza to Toa Alta caused heavy rains that flooded some streets in Condado, Ocean Park and Barrio Obrero in Santurce. A house at Enia Street in Villa Palmeras lost its zinc roof and was reported flooded. A tree was partialy downed at Cacique Street in Ocean park.

Bayamon

San Juan **12** **1215AST** **1800AST** **0** **0** **Urban/Sml Stream Fld**

A band of heavy showers and thunderstorms that extended from Barceloneta to Bayamon produced street flooding in Levittown Toa Baja, Catano, Bayamon, Toa Alta, Dorado and Guaynabo. Street flooding was also reported near Plaza Las Americas in Hato Rey.

Humacao

Humacao **12** **1752AST** **2000AST** **0** **0** **Heavy Rain**

Civil Defense reported torrential rains in Barrio Punta Santiago and Anton Ruiz of Humacao.

Arecibo

Utuado **13** **1235AST** **0** **0** **Heavy Rain**

Utuado's Civil Defense reported 5.00 inches of rain during the afternoon. River Rio Vivi rose 4-5 feet. The rains produced several landslides but no flooding problems were reported.

Mayaguez Anasco

Anasco **13** **1430AST** **1530AST** **0** **0** **2K** **Thunderstorm Wind**

Civil Defense reported downed trees and power poles in Anasco.

Caguas Las Piedras

Caguas **13** **1730AST** **2130AST** **0** **0** **Urban/Sml Stream Fld**

Street flooding was reported in Las Piedras.

Coamo Santa Isabel

Coamo **13** **1730AST** **2130AST** **0** **0** **3K** **Heavy Rain**

Three houses were flooded in Coamo.

Camuy

Hatillo **14** **1335AST** **1800AST** **0** **0** **Urban/Sml Stream Fld**

A small stream flooded road 402.

Aguadilla

Aguadilla **14** **1410AST** **1800AST** **0** **0** **Heavy Rain**

Civil Defense reported heavy rain in San Sebastian, Moca, and Aguada.

Arecibo

Utuado **14** **1435AST** **1800AST** **0** **0** **5K** **Heavy Rain**

Strong thunderstorms produced heavy rains in the municipality of Utuado. Civil Defense reported around four inches of rainfall which caused ten lanslides and two creeks to overflow. One house was reported flooded, and fifteen families were isolated at Barrio Paso Palmas due to a lanslide.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

PUERTO RICO

Mayaguez Anasco

Anasco	**14**	**1535AST** **1800AST**			**0**	**0**	**3K**		**Heavy Rain**

Strong thunderstorms produced heavy rains across the municipality of Anasco. Civil Defense reported creeks that overflowed their banks and landslides. Three houses were flooded at Barrio Miraflores. A tree was downed along road 402, km. 7.6.

Mayaguez Anasco

Mayaguez	**15**	**1730AST** **1830AST**			**0**	**0**			**Heavy Rain**

A strong thunderstorm...possibly severe and located about 10 miles northeast of Mayaguez produced heavy rains in the municipality. Street flooding was reported in Alturas de Mayaguez. A mudslide was also reported at Barrio Miradero.

Humacao

Naguabo	**22**	**1500AST** **1730AST**			**0**	**0**			**Flood**

Showers and thunderstorms associated to a tropical wave began to pound the southeast section of Puerto Rio during the early morning. By late morning the rains spreaded to the northeast municipalities of Luquilo and Rio Grande. Civil Defense in Naguabo reported river Rio Blanco out of its banks and water covering highway 191. Lightning provoked power outages in several areas across the island. The amount of rainfall over the Carraizo basin caused the water level to increase above the maximum and the floodgates of the lake were opened.

Humacao

Humacao	**24**	**1500AST** **2130AST**			**0**	**0**			**Flood**

Showers and thunderstorm associated with a tropical wave interacting with an upper level low produced heavy rains over the eastern section of Puerto Rico. Around four inches of rain fell in Humacao and road 831 was closed due to flooding.

Humacao

Fajardo	**27**	**1240AST** **1255AST**			**0**	**0**			**Waterspout**

Coast Guard reported a waterspout off the coast of Fajardo.

Mayaguez Anasco

Maricao	**29**	**1520AST** **1700AST**			**0**	**0**			**Heavy Rain**

A strong thunderstorm produced heavy rains. Around three inches of rainfall were reported for the three hour period beginning at 12 noon.

RHODE ISLAND

Newport County

Little Compton	**06**	**1315EST**			**0**	**0**			**Funnel Cloud**

Providence County

Burrillville	**06**	**1610EST**			**0**	**0**			**Hail (0.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
RHODE ISLAND									
Providence County									
North Smithfield	**06**	**1615EST**			**0**	**0**			**Hail (1.50)**
Providence County									
Woonsocket	**06**	**1632EST**			**0**	**0**			**Hail (0.75)**
A funnel cloud was observed to the northeast when viewed by eyewitnesses in Little Compton in Newport County. There were isolated reports of severe weather in Providence County during the late afternoon. Dime size hail was reported in Burrillville and Woonsocket and ping-pong ball size hail fell in North Smithfield.									
Kent County									
Warwick	**20**	**1335EST**			**0**	**0**			**Funnel Cloud**
Providence County									
Pawtucket	**20**	**1350EST**			**0**	**0**			**Funnel Cloud**
Providence County									
North Smithfield	**20**	**1450EST**			**0**	**0**			**Funnel Cloud**
Providence County									
Woonsocket	**20**	**1530EST**			**0**	**0**			**Funnel Cloud**
There were numerous reports of funnel clouds across northern Rhode Island, as well as southeastern Massachusetts during the afternoon of the 20th. There was a confirmation of an extremely brief tornado touchdown in Plymouth, MA that afternoon, however a report of a very weak tornado at North Central Airport in North Smithfield, RI were not able to be confirmed. Cloud tops associated with the convection that produced this phenomena were in the low range from 10,000 to 20,000 feet except for isolated slightly higher tops. There were no reports of damage or injury.									
RIZ002>007	**Southeast Providence - Western Kent - Eastern Kent - Bristol - Washington - Newport**								
	21	**0700EST 1700EST**			**0**	**0**			**Strong Winds**
RIZ007	**Newport**								
	21	**0800EST 1500EST**			**0**	**0**	**10K**		**High Wind (G54)**
A "southeaster" brought high winds to parts of Newport County where a peak gust to 63 mph was reported at Jamestown. High wind gusts close to 60 mph also were reported from Charlestown and Middletown. A peak wind gust to 55 mph was reported in Newport. Strong southeast winds with gusts to 40 to 55 mph affected all of south coastal Rhode Island. Scattered power outages were reported throughout the area with a total of 3,300 electric customers affected. In Jamestown and Charlestown, where wind gusts reached close to 60 mph, boats were reported sunk and others broke loose from their moorings. Many tree limbs and a few trees were reported blown down. Sixteen foot waves were reported between Block Island and the mainland. The effects of strong winds were felt inland as far north as the Providence area where a few trees and tree limbs were reported blown down, causing isolated power outages. Up to two inches of rain fell with this storm.									
Newport County									
Newport	**29**	**1215EST**			**0**	**0**			**Funnel Cloud**
Newport County									
Countywide	**29**	**1300EST 1600EST**			**0**	**0**			**Heavy Rain**
Washington County									
Countywide	**29**	**1300EST 1600EST**			**0**	**0**			**Heavy Rain**
Washington County									
Charlestown	**29**	**1415EST**			**0**	**0**			**Flash Flood**
Newport County									
Middletown	**29**	**1430EST**			**0**	**0**			**Flash Flood**
A developing ocean storm passing several hundred miles southeast of Cape Cod caused a cold front to move very slowly across Connecticut and Rhode Island. A redeveloping area of showers and thunderstorms produced intense rainfall amounts of three to nearly five and one-half inches in one to three hours in parts of Washington and Newport Counties in coastal Rhode Island. A flash flood occurred in Charlestown where police reported extensive flooding along a portion of Route 1. In Middletown, Bailey Brook rose out of its banks and flooded a section of Forest Avenue. In Newport, the rainfall total was 3.73 inches and 2.29 inches of rain fell in one hour. A total of 5.40 inches of rain was reported in Little Compton. A funnel cloud was photographed over Newport early in the morning. It did not touch down and no damage was reported.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
SOUTH CAROLINA, Central									
Bamberg County									
Olar to	**05**	**1332EST**			**0**	**0**		**0**	**Thunderstorm Wind (G50)**
Ehrhardt		**1350EST**							
A severe thunderstorm took down trees along SC Highway 64 and other adjacent county roads.									
Fairfield County									
Blair to	**05**	**1542EST**			**0**	**0**		**0**	**Thunderstorm Wind (G50)**
5 NE Jenkinsville		**1604EST**							
A severe thunderstorm took down trees on SC Highways 307, 213, 48, 114, and 70 from Blair to Monticello to 5NE of Jenkinsville as reported by Highway Maint. Dept.									
Richland County									
5 NE Columbia	**05**	**1630EST**			**0**	**0**			**Hail (1.00)**
NWS employee reports 1 inch hail northeast of Columbia.									
Chesterfield County									
1 SE Patrick to	**16**	**1549EST**			**0**	**0**	**8K**	**0**	**Thunderstorm Wind (G50)**
3 ESE Patrick		**1555EST**							
Postal employee reported trees down on SC Highway 80. Shutters and shingles were blown off one home.									
Bamberg County									
1 SSW Olar to	**16**	**1648EST**			**0**	**0**			**Hail (1.00)**
1 W Olar		**1655EST**							
Post Office reports 1 inch hail.									
Bamberg County									
1 W Olar to	**16**	**1655EST**			**0**	**0**			**Thunderstorm Wind (G50)**
3 NW Olar		**1703EST**							
Post Office reports trees down on SC Highway 64. Tops were broken off and blown into an animal shelter.									
Bamberg County									
1 WNW Olar	**16**	**1700EST**			**0**	**0**	**15K**	**0**	**Lightning**
Garage was hit and destroyed by lightning. Contents included an automoblie, tractors, mowers, etc.									
Barnwell County									
4 SSE Hilda to	**16**	**1708EST**			**0**	**0**		**0**	**Thunderstorm Wind (G50)**
2 SSE Hilda		**1720EST**							
Highway Dept. reports several trees were blow down along SC Highway 86.									
SOUTH CAROLINA, North Coastal									
Horry County									
North Myrtle Beach	**04**	**1915EST**			**0**	**0**			**Funnel Cloud**
		1916EST							
Funnel Cloud reported off North Myrtle Beach by Horry PD									
Horry County									
Conway	**05**	**1530EST**			**0**	**0**			**Hail (0.75)**
		1538EST							
Reported by Florence TV station									
Darlington County									
Darlington	**05**	**1938EST**			**0**	**0**	**10K**	**25K**	**Tstm Wind/Hail**
		1944EST							
Between 1938 and 1944 est numerous reports of hail to golfball size and wind gusts estimated at 60 miles an hour. Most of the damage was in the Swift Creek area, about 5 West of Darlington.									
Florence County									
Johnsonville	**16**	**1930EST**			**0**	**0**			**Thunderstorm Wind (G60)**
		1933EST							
Florence Co. Sheriffs Dep. reported trees down in the Johnsonville area.									
Darlington County									
Darlington	**28**	**1835EST**			**0**	**0**			**Lightning**
Darlington Co. 911 Center reported an Oak tree downed by lightning.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
SOUTH CAROLINA, Northwest									
Spartanburg County									
Spartanburg	**05**	**1331EST**			**0**	**0**			**Hail (0.75)**
Spartanburg County									
Pauline	**05**	**1350EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Union County									
West Spgs	**05**	**1415EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Cherokee County									
2 N Blacksburg	**05**	**1602EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Oconee County									
Seneca	**05**	**1634EST**			**0**	**0**			**Hail (1.75)**
York County									
Sharon	**05**	**1634EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Abbeville County									
5 ENE Donalds	**05**	**1637EST**			**0**	**0**			**Hail (0.88)**
Pickens County									
Clemson	**05**	**1640EST**			**0**	**1**			**Lightning**
Pickens County									
1 W Clemson	**05**	**1640EST**			**0**	**0**			**Thunderstorm Wind (G50)**
Greenwood County									
Ware Shoals	**05**	**1645EST**			**0**	**0**			**Hail (0.88)**
Anderson County									
Sandy Spgs	**05**	**1700EST**			**0**	**0**			**Hail (1.00)**
Anderson County									
Anderson	**05**	**1705EST**			**0**	**0**			**Hail (0.75)**
Abbeville County									
7 NW Abbeville	**05**	**1755EST**			**0**	**0**			**Thunderstorm Wind (G50)**

One supercell thunderstorm developed in northern Spartanburg county and progressively moved southeast across the city of Spartanburg and then continued through Union county. There were a number of reports of damaging winds and large hail as the storm went through several cycles of regeneration. Wind damage was limited to downed trees and power lines. Significant rotation in the storm remained well aloft.

Powerful severe thunderstorms in the North Carolina foothills moved east southeast and grazed the extreme northern part of the South Carolina piedmont. Outflow wind damage occurred in both Cherokee and York counties where trees and power lines were blown down.

Multi-cell severe thunderstorms developed in the western part of Upstate South Carolina around Lake Hartwell and near Ware Shoals. Trees were blown down west of Clemson along the banks of the lake, and northwest of Abbeville in the Cold Springs community. There were a number of reports of large hail. A man at Clemson was injured by lightning while working under a house.

Oconee County									
5 S Walhalla	**20**	**1435EST**			**0**	**0**			**Hail (1.00)**

A severe thunderstorm briefly caused large hail.

SOUTH CAROLINA, South Coastal									
Berkeley County									
Shulerville	**05**	**1406EST** **1410EST**			**0**	**0**			**Hail (1.00)**
Dorchester County									
St George	**05**	**1425EST** **1430EST**			**0**	**0**			**Hail (0.88)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
SOUTH CAROLINA, South Coastal									
Colleton County									
Smoaks	**05**	**1430EST** **1435EST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Trees and power line down								
Dorchester County									
Reevesville	**05**	**1435EST** **1440EST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Power lines down								
Colleton County									
Walterboro	**05**	**1445EST** **1450EST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Trees Down								
Beaufort County									
Sheldon	**16**	**1625EST** **1630EST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Large tree limbs down on U.S highway 17								
Beaufort County									
Bluffton	**16**	**1630EST** **1635EST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Tree limbs down								
Colleton County									
Walterboro	**16**	**1705EST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Trees down in and around Walterboro								
Beaufort County									
Beaufort	**19**	**1730EST** **1735EST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Trees and power lines down at sewage treatment plant								
Hampton County									
Varnville	**30**	**1200EST** **1210EST**			**0**	**0**			**Hail (0.88)**
Colleton County									
Walterboro	**30**	**1235EST** **1245EST**			**0**	**0**			**Thunderstorm Wind (G50)**
	Trees down county wide								
Jasper County									
Hardeeville	**30**	**1602EST** **1610EST**			**0**	**0**	**40K**		**Thunderstorm Wind (G50)**
	Trees and limbs down on cars. Power lines down								
SOUTH DAKOTA, Central and North									
Mcpherson County									
6 W Eureka	**02**	**0030CST**			**0**	**0**			**Lightning**
	Lightning struck an abandoned barn which caught fire and burned to the ground.								
Brown County									
6 SW Warner	**02**	**1520CST**			**0**	**0**			**Hail (0.75)**
Spink County									
4 NW Northville	**02**	**1520CST**			**0**	**0**			**Hail (0.75)**
Sully County									
15 W Onida	**02**	**1523CST**			**0**	**0**			**Hail (1.75)**
Campbell County									
3 W Herreid	**02**	**1530CST**			**0**	**0**			**Thunderstorm Wind (G61)**
	Strong thunderstorm winds pushed a combine 15 feet into a barn.								
Dewey County									
10 SE La Plant	**02**	**1544CST**	**0.3**	**30**	**0**	**0**			**Tornado (F0)**
	The tornado touched down briefly. Path width and length were estimated.								

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
SOUTH DAKOTA, Central and North									
Brown County									
7 SE Hecla	**02**	**1545CST**			**0**	**0**			**Hail (0.75)**
Marshall County									
8 W Britton	**02**	**1550CST**			**0**	**0**			**Hail (0.75)**
Potter County									
20 W Lebanon	**02**	**1600CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Strong thunderstorm winds blew a tree down onto a fence.									
Spink County									
3 N Ashton	**02**	**1600CST**			**0**	**0**			**Hail (0.75)**
Potter County									
8 SW Hoven	**02**	**1630CST**			**0**	**0**			**Hail (0.75)**
Potter County									
8 SW Hoven	**02**	**1630CST**			**0**	**0**			**Thunderstorm Wind (G65)**
Strong thunderstorm winds and large hail broke some windows and damaged many acres of crops.									
Deuel County									
Goodwin	**03**	**0030CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Strong thunderstorm winds blew the roof of a granary against a house, creating a hole in the side of the home and knocking cupboards off the inside of the home. The wall was pushed in about a foot. Parts of the grainary were thrown 1,500 feet. An apple tree was snapped off and thrown 600 feet. Twenty calf shelters were destroyed injuring one calf. Also, many trees were blown down on a nearby golf course.									
Hand County									
Polo	**03**	**1755CST**			**0**	**0**			**Hail (1.00)**
Sully County									
10 W Agar	**03**	**1800CST**			**0**	**0**			**Hail (0.75)**
Roberts County									
3 NW Rosholt	**05**	**1957CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Strong thunderstorm winds flattened an old granary and unrolled large round bales. Many trees in the area were uprooted and twisted. Also, wind driven hail stripped corn and bashed beans.									
Sully County									
10 SW Onida	**09**	**0234CST**			**0**	**0**			**Hail (0.88)**
Codington County									
Waverly	**27**	**1615CST**	**0.1**	**10**	**0**	**0**			**Tornado (F0)**
A very weak tornado rated F-1 touched down disentegrating the roof of a calf shelter, throwing it 70 feet. Also, the tornado sucked coal out of a grill, knocking the grill over. Path length and width are estimated.									
Brown County									
3 NW Aberdeen	**29**	**1700CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Strong thunderstorm winds ripped out the awning hardware on a trailer and blew a 4 by 4 out from under a stabilizing jack.									
Brown County									
Groton	**29**	**1745CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Day County									
1 S Pierpont	**29**	**1820CST**			**0**	**0**			**Hail (1.00)**
Day County									
1 S Pierpont	**29**	**1820CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Day County									
Lily	**29**	**1835CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Strong thunderstorm winds blew down a machine shed.									
Day County									
Waubay	**29**	**1926CST**			**0**	**0**			**Hail (0.75)**
Day County									
Waubay	**29**	**1926CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Day County									
Webster	**29**	**1926CST**			**0**	**0**			**Thunderstorm Wind (G52)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
SOUTH DAKOTA, Southeast									
Beadle County									
Huron	**02**	**1923CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Beadle County									
8 N Huron	**09**	**0920CST**			**0**	**0**			**Hail (0.75)**
Gregory County									
St Charles	**29**	**1440CST**			**0**	**0**	**5K**		**Thunderstorm Wind (G61)**
	Thunderstorm winds caused tree damage, including ripping full grown trees from the ground.								
Charles Mix County									
Wagner	**29**	**1630CST**			**0**	**0**			**Thunderstorm Wind (G52)**
	Thunderstorm winds caused an unknown amount of tree damage.								
Hutchinson County									
8 SE Menno to 10 SE Menno	**29**	**1800CST**			**0**	**0**	**3K**		**Thunderstorm Wind (G61)**
	Thunderstorm winds uprooted trees and destroyed small storage buildings and a calf shelter on two farms.								
SOUTH DAKOTA, West									
Pennington County									
Hisega	**01**	**1413MST** **1513MST**			**0**	**0**			**Hail (0.75)**
Custer County									
Fairburn	**01**	**1530MST**			**0**	**0**			**Hail (1.00)**
Pennington County									
12 W Rapid City to Rapid City	**02**	**1100MST** **1115MST**			**0**	**0**			**Hail (1.00)**
Pennington County									
Rapid City	**02**	**1115MST** **1120MST**			**0**	**0**			**Hail (1.75)**
Pennington County									
5 SW Rapid City	**02**	**1120MST**			**0**	**0**			**Hail (1.50)**
Pennington County									
7 S Rapid City	**02**	**1125MST**			**0**	**0**			**Hail (2.00)**
Meade County									
Piedmont	**02**	**1250MST**			**0**	**0**			**Hail (1.00)**
Pennington County									
7 S Wall	**02**	**1512MST**			**0**	**0**			**Hail (4.00)**
	MAJOR AUTOMOBILE DAMAGE REPORTED								
Jackson County									
5 W Cedar Pass to Cedar Pass	**02**	**1538MST**			**0**	**0**			**Flood**
	GRAVEL ROADS WASHED OUT IN BADLANDS NATIONAL PARK								
Jackson County									
5 W Cedar Pass	**02**	**1538MST** **1648MST**			**0**	**0**			**Hail (1.75)**
Butte County									
3 S Hoover	**08**	**1930MST**			**0**	**0**			**Hail (1.00)**
Butte County									
3 S Hoover	**08**	**1930MST**			**0**	**0**			**Thunderstorm Wind (G52)**
	TRUCK BLOWN OFF HIGHWAY.								
Pennington County									
Rapid City	**13**	**1223MST** **1225MST**			**0**	**0**			**Hail (1.00)**
	MINOR STREET FLOODING REPORTED.								

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
SOUTH DAKOTA, West									
Pennington County									
5 E Rapid City	**13**	**1245MST**			**0**	**0**			**Hail (2.00)**
Ziebach County									
15 ESE Dupree	**13**	**1330MST**			**0**	**0**			**Hail (1.75)**
Haakon County									
Milesville	**13**	**1500MST**			**0**	**0**			**Hail (1.00)**
Pennington County									
Rapid City	**13**	**1500MST**			**0**	**0**			**Hail (0.75)**
Pennington County									
Rapid City	**13**	**1505MST**			**0**	**0**			**Thunderstorm Wind (G50)**
Custer County									
5 NW Custer	**18**	**1740MST**			**0**	**0**			**Hail (0.75)**
Shannon County									
Pine Ridge	**18**	**2014MST**			**0**	**0**			**Thunderstorm Wind (G80)**
ROOF BLOWN OFF DORMITORY.									
Shannon County									
Kyle	**18**	**2042MST**			**0**	**0**			**Thunderstorm Wind (G70)**
Lawrence County									
12 S Deadwood	**26**	**1342MST**			**0**	**0**			**Hail (1.75)**
Pennington County									
12 E Rochford	**26**	**1544MST**			**0**	**0**			**Hail (1.75)**
Jackson County									
Cactus Flats	**26**	**1545MST**			**0**	**0**			**Hail (0.75)**
Haakon County									
Philip	**26**	**1620MST**			**0**	**0**			**Hail (0.88)**
Mellette County									
Cedar Butte	**26**	**1900MST**			**0**	**0**			**Hail (0.75)**
Todd County									
Okreek	**26**	**1935MST**			**0**	**0**			**Hail (0.75)**
Mellette County									
4 S White River	**29**	**1125MST**			**0**	**0**			**Hail (0.88)**
Butte County									
5 E Belle Fourche	**30**	**1630MST**			**0**	**0**			**Hail (0.75)**
Perkins County									
Shadehill	**31**	**1705MST**			**0**	**0**			**Hail (0.75)**
Harding County									
Buffalo	**31**	**1845MST**			**0**	**0**			**Thunderstorm Wind (G51)**
TENNESSEE, Central									
Putnam County									
Algood	**04**	**1450CST**			**0**	**0**			**Thunderstorm Wind (G50)**
Several small trees were blown down.									
Putnam County									
Mill Creek	**04**	**1505CST** **1605CST**			**0**	**0**			**Thunderstorm Wind (G50)**
EMA official reported numerous trees were blown down along U. S. Hwy 70N.									
White County									
Sparta	**04**	**1530CST**			**0**	**0**	**2K**		**Thunderstorm Wind (G50)**
Local law enforcement reported several trees and power lines were blown down. Many trees were blown down near Chapel Hill at the golf course at Henry Horton State Park.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

TENNESSEE, Central

Dekalb County

Smithville **04** **1545CST** **0** **0** **Thunderstorm Wind (G50)**

Highway department reported trees down in Smithville.

Wilson County

1 W Lebanon **04** **1545CST** **0** **0** **5K** **Thunderstorm Wind (G50)**
1550CST

A tree was blown down across a road on Hickory Ridge Road. Also, power lines and trees were down near Burchett Ford dealership.

Marshall County

Chapel Hill **04** **1715CST** **0** **0** **Thunderstorm Wind (G50)**

Some trees were blown down in the Chapel Hill area. The report was relayed to us by WKRN-TV weather broadcaster.

Coffee County

Countywide **04** **1730CST** **0** **0** **Thunderstorm Wind (G50)**
1830CST

EMA officials reported many small trees were down around the county.

Franklin County

Center Grove **04** **1810CST** **0** **0** **Thunderstorm Wind (G50)**

Trees were blown down. Report was by the electric company.

Franklin County

Decherd **04** **1820CST** **0** **0** **Thunderstorm Wind (G50)**

Power company reported trees were blown down.

Franklin County

Oak Grove **04** **1820CST** **0** **0** **Thunderstorm Wind (G50)**

Power company reported trees were down.

Franklin County

Belvidere **04** **1840CST** **0** **0** **Thunderstorm Wind (G50)**

Power company reported trees were blown down.

Grundy County

Beersheba Spgs **04** **1650CST** **0** **0** **50K** **Thunderstorm Wind**
1700CST

The northeast part of the county was hit by strong thunderstorm winds from the Tarlton area to Beersheba Springs. Newspaper accounts reported 2 homes were damaged when trees fell on them on Highway 56.
Also, strong winds destroyed a building at Hillis Nursery on Highway 56.

Coffee County

1.5 S Manchester **04** **1800CST** **0** **0** **10K** **Lightning**

Fire damaged a home after it was struck by lightning.

Marshall County

3.2 NE Lewisburg **04** **1715CST** **0** **0** **10K** **Thunderstorm Wind (G50)**

Part of a tree fell on a house.

Perry County

5 SE Linden **14** **1925CST** **0** **0** **1K** **Thunderstorm Wind**
1926CST

Local law enforcement reported a few power lines were down.

Lewis County

3 W Hohenwald **14** **1935CST** **0** **0** **1K** **Thunderstorm Wind (G50)**

Weather spotter reported a few power lines were down.

Lewis County

Hohenwald **14** **2000CST** **0** **0** **Flash Flood**
2145CST

Water was several inches deep over the intersections of Highways 20 and 48 at Hohenwald. The report was by local law enforcement.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

TENNESSEE, Central

Robertson County

1 S Cross Plains **19** **1530CST** **0** **0** **1K** **Thunderstorm Wind (G50)**

Numerous trees were blown down along Ruby Keith Road. A trampoline was wrapped around a telephone pole.

Robertson County

White House **19** **1610CST** **0** **0** **Thunderstorm Wind (G60)**

Skywarn Spotter reported wind gusts up to 60 mph just west of White House at I-65 and state route 76.

Sumner County

Gallatin **19** **1640CST** **0** **0** **Thunderstorm Wind (G50)**

Cumberland Electric Company reported several trees were down east of Gallatin south of Highway 25.

Davidson County

Goodlettsville **19** **1700CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds blew down 12 to 16 trees in the vicinity of highway 41.

Trousdale County

Hartsville **19** **1710CST** **0** **0** **Thunderstorm Wind (G50)**

Middle Tennessee Electric reported several large trees down southeast of Hartsville south of the Cumberland River.

Smith County

Elmwood **19** **1732CST** **0** **0** **Hail (2.75)**

Skywarn Spotter reported hail ranging from the size of golfballs to baseballs.

Smith County

Elmwood **19** **1732CST** **0** **0** **Thunderstorm Wind (G60)**

Skywarn Spotter reported wind gusts up to around 60 m.p.h.

Decatur County

10 S Decaturville **19** **1810CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm winds downed one large tree and several large tree limbs along Brooksie-Thompson Road.

Putnam County

Baxter **19** **1825CST** **0** **0** **Hail (0.88)**

Nickel size hail reported in Baxter.

Putnam County

Baxter **19** **1825CST** **0** **0** **20K** **Thunderstorm Wind**

Local fire department reported trees and power lines were down around Baxter. One home had a roof blown off by the strong thunderstorm winds.

White County

Countywide **19** **1850CST** **0** **0** **20K** **Thunderstorm Wind (G50)**

911 center reported several trees and larger limbs down around the county. A tree fell on a house in the Cherry Creek area, which is 5.7 miles NNE of Sparta. Also, an out building was demolished by the strong thunderstorm winds.

Overton County

Livingston **20** **0000CST** **0** **0** **Thunderstorm Wind (G50)**

A radio station in Livingston reported one large tree down in the city.

Sumner County

Portland **19** **1640CST** **0** **0** **20K** **Lightning**

Lightning struck a chimney on a house and sent rocks, weighing as much as 50 pounds, 50-75 feet into the yard. The lightning burnt up his television antenna, twisted several feet of gutters, and knocked out 2 or 3 television sets inside his house .

Maury County

Cross Bridges **29** **1400CST** **0** **0** **Thunderstorm Wind (G50)**

Highway department reported a tree was blown down.

Hickman County

Tottys Bend **29** **1410CST** **0** **0** **Thunderstorm Wind (G50)**

The electric company reported tree limbs were blown down.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
TENNESSEE, Central									
Hickman County									
15 NW Centerville	**29**	**1440CST**			**0**	**0**			**Thunderstorm Wind (G50)**
Power company reported trees down near the community of Bucksnort.									
Houston County									
9 SE Erin	**29**	**1440CST**			**0**	**0**			**Thunderstorm Wind (G50)**
Highway department reported a tree was down on Bethany Road.									
Lawrence County									
Lawrenceburg	**29**	**1500CST**			**0**	**0**			**Hail (0.75)**
Marble to dime size hail reported at downtown Lawrenceburg.									
Lawrence County									
Leoma	**29**	**1505CST**			**0**	**0**			**Thunderstorm Wind (G50)**
Lawrence county EMA reported wind gusts up to 50 mph near U.S. Hwy 43.									
Benton County									
Big Sandy	**29**	**1600CST**			**0**	**0**			**Thunderstorm Wind (G50)**
The power company reported a few trees were down.									
Perry County									
Spring Creek	**29**	**1645CST**			**0**	**0**			**Thunderstorm Wind (G50)**
The power company reported a few trees lmbs were blown down.									
TENNESSEE, East									
Sullivan County									
Kingsport to Bristol	**04**	**1515EST**			**0**	**0**			**Hail (1.25)**
Grainger County									
Blaine to Richland	**04**	**1615EST**			**0**	**0**		**9K**	**Thunderstorm Wind**
Trees down.									
Hancock County									
6 NW Sneedville	**04**	**1815EST**			**0**	**0**		**5K**	**Thunderstorm Wind**
Trees down.									
Claiborne County									
Countywide	**04**	**1825EST**			**0**	**0**		**5K**	**Thunderstorm Wind**
Large limbs blown off trees.									
Union County									
6 SW Maynardville	**04**	**1910EST**			**0**	**0**		**10K**	**Thunderstorm Wind**
Trees down near Anderson county line.									
Hamblen County									
3 W Morristown	**04**	**1930EST**			**0**	**0**		**8K**	**Tstm Wind/Hail**
Trees down and hail mainly in western part of county.									
Jefferson County									
Strawberry Plains	**04**	**1955EST**			**0**	**0**		**4K**	**Thunderstorm Wind**
Trees down.									
Sevier County									
Gatlinburg	**04**	**2015EST**			**0**	**0**	**15K**	**7K**	**Tstm Wind/Hail**
Knox County									
Knoxville	**04**	**2015EST**			**0**	**0**		**5K**	**Thunderstorm Wind**
Trees down in east Knoxville.									
Blount County									
Countywide	**04**	**2040EST**			**0**	**0**		**15K**	**Thunderstorm Wind**
Trees down throughout county.									
Sevier County									
Countywide	**04**	**2045EST**			**0**	**0**		**20K**	**Thunderstorm Wind**
Trees down mainly across southern part of county.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
TENNESSEE, East									
Blount County									
Countywide	**17**	**1600EST** **1645EST**			**0**	**0**	**75K**	**20K**	**Thunderstorm Wind**
Thunderstorm winds blew down a barn belonging to Bryan and Beth Stephenson on Liberty Hill Drive near Alcoa. Four large pine trees on their property were snapped off several feet above the ground. Many other trees were blown down across the county. Around 1200 customers lost power due to the storm. Most power was restored by 830pm.									
Cumberland County									
Countywide	**19**	**1845CST**			**0**	**0**	**50K**	**20K**	**Tstm Wind/Hail**
Numerous trees down and power outages countywide. Roof collapsed at the Dana Corp. Employees were evacuated with no injuries reported. Approximately 3000 customers lost electricity due to the storm. All power was restored by around 3am. A semi-truck at the BP Truck Plaza on Genesis Rd. was blown over by the storm's winds.									
Roane County									
Kingston	**19**	**2100EST**			**0**	**0**		**2K**	**Thunderstorm Wind**
Tree down.									
Bradley County									
Charleston	**28**	**1655EST**			**0**	**0**			**Hail (0.75)**
Polk County									
Benton	**28**	**1730EST**			**0**	**0**			**Hail (0.75)**
TENNESSEE, West									
Tipton County									
Idaville	**04**	**1545CST** **1550CST**			**0**	**0**	**5K**		**Thunderstorm Wind**
A 100 foot tree, estimated to be 125 years old was knocked down. Other smaller tree branches were also downed.									
Haywood County									
Brownsville	**04**	**1620CST** **1625CST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Several trees and power lines were knocked down.									
Carroll County									
Huntingdon	**05**	**2230CST** **2235CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
A couple of trees were knocked down.									
Gibson County									
Kenton	**19**	**1545CST** **1550CST**			**0**	**0**	**5K**		**Thunderstorm Wind**
A few trees and power lines were knocked down.									
Madison County									
Jackson	**19**	**1900CST** **1905CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Some trees were blown down.									
TEXAS, Central									
Taylor County									
Abilene Muni Arpt	**04**	**1724CST** **1730CST**			**0**	**0**			**Thunderstorm Wind (G50)**
Taylor County									
Abilene	**06**	**2000CST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Winds blew down a few power poles.									
Mason County									
7 N Mason	**09**	**1800CST**			**0**	**0**	**5K**		**Thunderstorm Wind**
Taylor County									
Potosi	**10**	**1755CST**			**0**	**0**	**10K**		**Thunderstorm Wind (G61)**
A barn roof was blown off.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
TEXAS, Central									
Taylor County									
(Abi)Abilene Muni Ar	**10**	**1807CST**			**0**	**0**	**800K**		**Thunderstorm Wind (G58)**
A brief but brisk storm knocked a few trees to the ground while disrupting power to a broad but shallow slice of north central Abilene. There was also significant damage at the Abilene airport. The wind lifted the roof off one large hangar and several aircraft were damaged.									
Jones County									
Funston	**10**	**1845CST**			**0**	**0**	**75K**		**Thunderstorm Wind**
Winds blew a tree onto a house and damaged a gas station. Power lines and power poles were also blown over.									
Mitchell County									
5 SW Colorado City	**16**	**1715CST**			**0**	**0**	**50K**		**Thunderstorm Wind**
		1730CST							
Winds blew down several trees and power lines at Lake Colorado City.									
Mitchell County									
5 SW Colorado City	**16**	**1720CST**			**0**	**1**			**Lightning**
Lightning strikes at Lake Colorado City injured a young girl who suffered burns on her arm.									
Nolan County									
Sweetwater	**16**	**1830CST**			**0**	**0**	**50K**		**Thunderstorm Wind**
		1845CST							
Winds blew down several trees and power poles. One pole fell on a house. There was also damage to a barn. Car windows were blown in.									
Single cell thunderstorms developed over the western Big Country in the mid summer daytime heating. Although deep convection was inhibited by very warm air aloft, the thunderstorms collapsed quickly and produced microburst winds.									
Coke County									
14 SW Robert Lee	**20**	**1420CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Jones County									
Funston	**20**	**1930CST**			**0**	**0**			**Thunderstorm Wind (G55)**
Taylor County									
3 SW Abilene	**22**	**1720CST**			**0**	**0**			**Hail (0.75)**
Taylor County									
Buffalo Gap	**22**	**1745CST**			**0**	**0**			**Hail (0.75)**
Taylor County									
Buffalo Gap	**22**	**1745CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Runnels County									
Hatchel	**22**	**1835CST**	**0.1**	**10**	**0**	**0**			**Tornado (F0)**
Runnels County									
Hatchel	**22**	**1841CST**			**0**	**0**			**Hail (0.75)**
Runnels County									
Hatchel	**22**	**1841CST**			**0**	**0**	**75K**		**Thunderstorm Wind**
Coleman County									
2 WNW Glen Cove	**22**	**1848CST**			**0**	**0**			**Hail (0.75)**
Coleman County									
Coleman to	**22**	**1905CST**			**0**	**0**	**10K**		**Thunderstorm Wind (G57)**
5 W Coleman		**1920CST**							
Large tree branches blown down.									
Coleman County									
5 W Coleman	**22**	**1912CST**			**0**	**0**			**Hail (0.75)**
Runnels County									
Miles	**22**	**1935CST**			**0**	**0**			**Hail (0.75)**
Coleman County									
10 N Coleman	**22**	**2025CST**			**0**	**0**	**25K**	**25K**	**Hail (1.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
TEXAS, Central Southeast									
Washington County									
Brenham	**07**	**2140CST** **2245CST**			**0**	**0**	**5K**		**Flash Flood**
Widespread street flooding.									
Montgomery County									
20 S Conroe	**21**	**1545CST**			**0**	**0**	**5K**		**Thunderstorm Wind**
3 foot diameter tree uprooted just north of The Woodlands									
Chambers County									
Monroe City	**22**	**1733CST**			**0**	**0**	**5K**		**Hail (0.75)**
Montgomery County									
Cut And Shoot	**23**	**0127CST**			**0**	**0**	**5K**		**Hail (0.75)**
TEXAS, Extreme West									
El Paso County									
El Paso	**06**	**1740MST** **1900MST**			**0**	**0**			**Thunderstorm Wind (G51)**
Strong winds associated with the severe thunderstorm produced a number of fallen trees and power lines. In addition, the storm also produced heavy rain which resulted in several trafic accidents and flooded homes.									
TEXAS, Mid - South									
Live Oak County									
Three Rivers	**08**	**1912CST**			**0**	**0**			**Funnel Cloud**
Nueces County									
Chapman Ranch	**24**	**0620CST**			**0**	**0**			**Funnel Cloud**
Nueces County									
Port Aransas	**24**	**1135CST**			**0**	**0**			**Funnel Cloud**
Two funnel clouds reported near the Port Aransas jetties near San Jose Island and Cove Harbor.									
Nueces County									
10 NE Mustang Is	**24**	**1147CST**			**0**	**0**			**Waterspout**
Pilot report of a waterspout.									
Nueces County									
Port Aransas	**25**	**0909CST**			**0**	**0**			**Funnel Cloud**
Nueces County									
2 E Port Aransas	**29**	**1730CST**			**0**	**0**			**Funnel Cloud**
Weather conditions along the South Texas Coastal Bend during mid-summer are often conducive to funnel cloud and waterspout development. During the time periods of early to mid morning and late afternoon to early evening, conditions are generally more favorable for the formation of these tropical funnels and weak waterspouts. Instability in the form of early morning thermals within towering cumulus and convection forced later in the day along the seabreeze boundary are the two main mechanisms responsible for these reports.									
TEXAS, North									
Anderson County									
Palestine	**07**	**0210CST** **0410CST**			**0**	**0**			**Flash Flood**
Heavy rain that fell over a several hour period resulted in flooding of several roads throughout the county.									
Anderson County									
Palestine	**07**	**0410CST** **0700CST**			**0**	**0**			**Flash Flood**
Several roads throughout the county were reported flooded.									
Anderson County									
8 SW Montalba	**07**	**0535CST** **0800CST**			**0**	**0**			**Flash Flood**
Farm-to-Market Road 2054 was reported flooded.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

TEXAS, North

Anderson County

Palestine **07** **0915CST 1100CST** **0** **0** **Flash Flood**

Several roads throughout the county continued to be under water. A 24-hour rainfall amount of 6.90 inches was measured in town during this event.

Anderson County

Palestine **09** **0930CST** **0** **1** **4K** **Heavy Rain**

Heavy rain, in excess of 7 inches, that fell in the area saturated soils and weakened the root system of many trees. One tree collapsed onto a car and injured one of its occupants.

Grayson County

Sherman **13** **1533CST 1730CST** **0** **0** **Flash Flood**

Several roads between Sherman and Denison had over two feet of water covering them after heavy rain fell in the area for several hours.

Collin County

Anna **13** **1610CST** **0** **0** **Hail (0.88)**

Collin County

Mc Kinney **13** **1645CST** **0** **0** **10K** **Thunderstorm Wind**

Strong winds blew down power lines, uprooted trees, and snapped six power poles.

Dallas County

Dallas **13** **1800CST** **0** **0** **15K** **Thunderstorm Wind**

Strong winds blew the roof off an automobile body shop.

Lamar County

Powderly **20** **1747CST** **0** **0** **250K** **Thunderstorm Wind**

Strong winds damaged several hangars at the airport. Several small aircraft were also damaged by the winds.

Lamar County

2 E Paris **20** **1800CST** **0** **0** **200K** **Thunderstorm Wind**

Strong winds damaged hangars at Cox Field. A small aircraft was flipped and several others were damaged. Trees and power lines were blown down.

Jack County

5 SE Jacksboro **20** **1750CST** **0** **0** **Hail (0.88)**

Fannin County

Windom **20** **1825CST** **0** **0** **Hail (0.88)**

Fannin County

Windom **20** **1825CST** **0** **1** **1.1M** **Thunderstorm Wind (G87)**

Strong winds, estimated at more than 100 mph, caused severe building damage, demolished two grain elevators, destroyed sheds, damaged homes, and blew down power lines. Flying debris injured a man at the feed mill, where much of the damage occurred.

Fannin County

Leonard **20** **1900CST** **0** **0** **Hail (0.88)**

Fannin County

Leonard **20** **1900CST** **0** **0** **75K** **Thunderstorm Wind**

Strong winds destroyed a radio tower, damaged a convenience store, and blew down trees and street signs.

Montague County

Bowie **20** **1830CST** **0** **0** **30K** **Lightning**

Lightning reportedly struck an oil tank and started a fire that engulfed two such tanks.

Denton County

Pilot Pt **20** **1915CST** **0** **0** **5K** **Thunderstorm Wind**

Strong winds blew down trees, power poles and power lines.

Collin County

4 E Melissa **20** **2000CST** **0** **0** **0** **Thunderstorm Wind**

Strong winds blew down trees.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

TEXAS, North

Milam County

Branchville — **21** — **1730CST** — **0** — **0** — **10K** — **Thunderstorm Wind**

Strong winds blew down trees and destroyed a barn.

TEXAS, North Panhandle

Gray County

5 N Alanreed — **20** — **1730CST** — **0** — **0** — **Hail (1.75)**

A severe thunderstorm over the eastern Texas Panhandle produced large hail during the early evening hours.

TEXAS, Northeast

Wood County

1 E Yantis — **06** — **1800CST** — **0** — **0** — **1K** — **Thunderstorm Wind (G60)**

Several trees were toppled including one tree that fell across a shed.

Angelina County

2 NW Pollok — **07** — **0545CST** — **0** — **0** — **Urban/Sml Stream Fld**

Water was reported across the road at the intersections of Hwy 7 and Hwy 69. The road remained passable.

Nacogdoches County

1 W Nacogdoches — **07** — **0715CST** — **0** — **0** — **Flash Flood**

Water rose rapidly west of town with nearly six inches of rain in a twelve hour period. County roads 273 North, 620, 715, 721, 724 and 783 were reduced to mush after their freshly oiled surfaces crumbled. Many vehicles were stuck on the roads.

Shelby County

Center — **08** — **0600CST** — **0** — **0** — **Heavy Rain**
09 — **0600CST**

Cooperative Observer reported 10.72 inches of rain in 24 hours.

Nacogdoches County

Garrison — **08** — **0715CST** — **0** — **0** — **Heavy Rain**
09 — **0715CST**

Observer reported 14.13 inches of rain at his home along FM138 in 24 hours.

Shelby County

Tenaha — **08** — **0715CST** — **0** — **0** — **Flash Flood**
09 — **0715CST**

Excessive rains of over one foot in 24 hours led to the closure of Hwy 96 for nearly 200 yards between Center and Tenaha. Four to five feet of water was across the Hwy.

Nacogdoches County

Nacogdoches to Garrison — **09** — **0945CST** — **0** — **0** — **500K** — **20K** — **Flash Flood**
2315CST

Heavy rain led to many road closures in the area as cars and even motor homes were swept off the highways and county roads. Many farmers lost hay and some cattle were reported missing. The Texas Department of Transportation called in Flood Crews to repair washed-out roads. Rain totals exceeded 12 inches causing area businesses, homes and apartment complexes to be evacuated. The American Red Cross had to be called in to open shelters for flood victims.

Panola County

Carthage — **09** — **0955CST** — **0** — **0** — **Flash Flood**
1255CST

Nearly six inches of rain fell in a three hour period causing significant flash flooding over local highways. Some roads were barricaded and closed.

Shelby County

Center — **09** — **1004CST** — **0** — **0** — **Flash Flood**
1800CST

Nearly eleven inches of rain led to the closure of Hwy 87. Several smaller Farm to Market roads leading into and out of town were washed out from flooding. Highways 96 and 414 were closed.

Harrison County

15 SE Marshall — **20** — **2145CST** — **0** — **0** — **Thunderstorm Wind (G65)**

Several trees toppled along Hwy 31.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
TEXAS, Northeast									
Marion County									
10 NW Jefferson	**20**	**2145CST**			**0**	**0**			**Thunderstorm Wind (G60)**
Harrison County									
Harleton	**20**	**2147CST**			**0**	**0**			**Thunderstorm Wind (G60)**
Trees and powerlines were blown down along FM450 and along FM1968.									
Gregg County									
Longview	**20**	**2200CST**			**0**	**0**			**Thunderstorm Wind (G60)**
Trees and power lines were felled in the city leading to numerous power outages.									
Gregg County									
Longview	**20**	**2207CST**			**0**	**0**			**Hail (0.88)**
Harrison County									
Hallsville to Woodlawn	**20**	**2226CST**			**0**	**0**	**30K**		**Thunderstorm Wind (G75)**
Winds blew a carport roof off one home and roof damage was also reported at another resident. The Woodlawn area also reported minor damage to homes including a mobile home on FM1997 which had its roof ripped open.									
Cherokee County									
Jacksonville	**21**	**1530CST**			**0**	**0**			**Thunderstorm Wind (G60)**
Cherokee County									
5 W Rusk	**21**	**1605CST**			**0**	**0**			**Thunderstorm Wind (G60)**
Several trees were toppled along Hwy 84.									
Bowie County									
De Kalb	**22**	**0935CST**			**0**	**0**			**Hail (0.88)**
Bowie County									
Malta	**22**	**0950CST**			**0**	**0**			**Thunderstorm Wind (G60)**
Bowie County									
New Boston	**22**	**1004CST**			**0**	**0**			**Thunderstorm Wind (G60)**
Marion County									
10 NW Jefferson	**22**	**1105CST**			**0**	**0**			**Thunderstorm Wind (G60)**
Shelby County									
Center	**22**	**1235CST**			**0**	**0**			**Thunderstorm Wind (G60)**
Angelina County									
Lufkin	**22**	**1337CST**			**0**	**0**			**Hail (0.75)**
TEXAS, South									
NONE REPORTED.									
TEXAS, South Central									
Comal County									
Countywide	**08**	**1200CST 1300CST**			**0**	**0**	**5K**	**0**	**Flash Flood**
Kendall County									
Countywide	**08**	**1200CST 1330CST**			**0**	**0**	**5K**	**0**	**Flash Flood**
The sheriffs departments in both counties reported several roads closed shortly after noon as a result of brief but heavy rain. Totals over the two counties were generally 2 to 3 inches. The highest amount reported was a 6 inch amount near Sisterdale in Kendall County.									
Bexar County									
Countywide	**23**	**1430CST 1440CST**			**0**	**0**	**50K**	**0**	**Thunderstorm Wind**
High winds knocked over trees, tore branches from other trees, and downed power poles across mainly the northern part of San Antonio. Power was reported out to nearly 10,000 persons for over 1 1/2 hours as a result of the storm. Spotty rainfall accompanied the storm, with most areas receiving less than 1 inch.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
TEXAS, South Panhandle									
Dickens County									
Dickens	**10**	**1658CST**			**0**	**0**	**0**	**0**	**Hail (0.88)**
Cottle County									
14 ENE Paducah	**10**	**1902CST**			**0**	**0**	**0**	**50K**	**Hail (0.75)**
Widely scattered thunderstorms developed over the extreme southern Texas Panhandle, northwest portions of the South Plains, and the Rolling Plains on the evening of the 10th. An isolated severe thunderstorm moved east-northeast across northern Dickens County into southern and eastern Cottle County and produced dime- to nickel-sized hail. Minor street flooding was also reported by the Paducah Fire Department in the city of Paducah.									
Lubbock County									
4 S Lubbock	**18**	**1655CST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G55)**
Lubbock County									
4 S Lubbock	**18**	**1707CST**			**0**	**0**	**0**	**0**	**Hail (1.00)**
Lubbock County									
4 S Lubbock	**18**	**1707CST**			**0**	**0**	**0.10K**		**Thunderstorm Wind**
Hall County									
Turkey	**18**	**1730CST**			**0**	**0**	**3K**	**0**	**Thunderstorm Wind**
Scattered thunderstorms developed along a frontal boundary from the Big Country to the northern Permian Basin and moved north into the South Plains and Rolling Plains. The town of Turkey in southwest Hall County experienced many big branches broken off trees as well as several trees completely uprooted and one destroyed carport. The public reported strong winds and quarter-sized hail with an isolated severe thunderstorm over the city of Lubbock. Winds from this storm knocked down large tree branches over a very small part of South Lubbock, where a window was also broken.									
TEXAS, Southeast									
Jasper County									
Buna	**21**	**1600CST**			**0**	**0**	**50K**		**Thunderstorm Wind**
High winds caused extensive damage in the Buna area. Several trees were uprooted, roofs were damaged, a carport was completely ripped off, and a salt water disposal rig was knocked over during the storm.									
Orange County									
Orange	**21**	**1630CST**			**0**	**0**	**35K**		**Thunderstorm Wind**
A severe thunderstorm blew a tree down on a home, snapped one telephone pole, and knocked down several trees.									
Jefferson County									
Beaumont	**21**	**1730CST**			**0**	**0**	**20K**		**Thunderstorm Wind**
Severe thunderstorm winds blew several trees and power lines down.									
Newton County									
6 N Burkeville	**22**	**1405CST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Severe thunderstorm winds blew down several trees on Highway 692.									
Orange County									
Orange	**22**	**1530CST**			**0**	**0**	**5K**		**Heavy Rain**
Between two and three inches of rain fell in less than one hour, resulting in street flooding.									
Jefferson County									
Groves	**22**	**1625CST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Several trees and power lines were downed during a severe thunderstorm.									
TEXAS, West									
Brewster County									
1 N Alpine	**04**	**1655CST**			**0**	**0**	**10K**		**Thunderstorm Wind**
A thunderstorm moving over the city of Alpine collapsed, producing a wet microburst that blew the roof off a trailer, overturned a carport, and knocked down sheds. The storm was not moving extremely fast (at 18kt) but was the fastest moving of the 44 cells on the Midland radar. The storm dumped half its volume in one 6 minute scan with the VIL dropping from 38 to 19 kg/m2. The debris was blown in the direction of the storm movement (NE-SW).									
Ector County									
Pleasant Farms	**10**	**1505CST**			**0**	**0**			**Thunderstorm Wind (G52)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

TEXAS, West

Midland County

6 ESE Midland — **10** — **1520CST** — **0** — **0** — **10K** — **Thunderstorm Wind**

Scattered damage was caused by a microburst along State Highway 158. Of note was the fact that the storms in the area were moving to the north but the most damaging winds blew debris to the south. A pole barn was blown across a couple of fields and dead trees were knocked down.

Although Midland's sounding showed an inverted-V pattern, suggesting dry microbursts, the sounding also showed 1.36 inches of precipitable water, which is over 130% of normal. These factors combined to have evaporation and water drag for downbursting. The radar in the local area of the storms was dotted with small thunderstorms--within a radius of 30 miles there were 20-25 storms at the time of the damage.

Brewster County

17 NE Study Butte — **11** — **1615CST** — **0** — **0** — **3K** — **Thunderstorm Wind**

A wet microburst destroyed two cab-over pickup truck trailers. One trailer was thrown over utility lines into an adjacent yard while the other trailer was thrown into a utility pole.

Midland County

4 SW Midland — **12** — **1520CST** **1730CST** — **0** — **0** — **Flash Flood**

Heavy rains over the southern half of Midland flooded streets with deep water in some areas. Water was running downhill on Midland Drive toward a drainage area, and converging waters at the drainage area caused a piling of the running water to a depth of about 3 feet on the Business I-20 access road.

Pecos County

Girvin — **15** — **1813CST** — **0** — **0** — **4K** — **Thunderstorm Wind (G52)**

A cell among a multicell cluster moving to the northeast in northern Pecos County produced microburst winds that damaged structures in the Girvin community. A 2-foot section of the south wall of a house was partly separated from the flooring as upward forces by the wind on the eaves tried to lift the wall from its connection with the floor. An old convenience store had 2/3 of its corrugated roof blown off by the wind and other parts of the roof curled up. A 30x10 foot goat pen was moved and overturned on the north end of the property. The pen was open on the south side allowing the wind to enter freely but the wind was trapped by the other walls. The pen was moved approximately 12 feet to the north and rolled 1/4 turn onto the back wall. All of the debris was blown to the northeast.

The cluster of storms developed near the dry line and moved to the northeast at about 20 mph. The cell that caused the damage had indications of a weak elevated mesocyclone on the Midland 88D that dissipated before moving into the Girvin area. In the vicinity of the storms, surface temperatures were in the mid 90s with dew points in the lower 60s. The storm survey resulted in assigning the estimated wind speed of 60 mph.

Dawson County

17 SW Lamesa — **17** — **2200CST** — **0** — **1** — **8K** — **Thunderstorm Wind (G65)**

A microburst in southwest Dawson County caused damage on a couple of properties. One metal shed and two wooden sheds were destroyed by the winds. A greenhouse was heavily damaged and a travel trailer with two occupants was pushed up against an adjacent barn. One of the occupants sustained slight injuries to both of his knees from flying objects in the trailer. Corrugated metal was strewn around the area as well. Farther south a water pump was wrenched from its connections and was irreparable.

A damage survey was accomplished finding a divergent pattern over an area about 1/2 mile wide. On the northeastern end of the damage, debris was blown to 310 degrees versus the water pump (to the south) was blown to 228 degrees. The damage survey team estimated a wind speed of 65 kt.

Howard County

Big Spring — **18** — **1530CST** — **0** — **0** — **Hail (0.75)**

Jeff Davis County

35 NNW Ft Davis — **18** — **1615CST** — **0** — **0** — **0.50K** — **Thunderstorm Wind**

Downbursting winds blew a trampoline 100 yards.

Dawson County

Friendship — **18** — **1700CST** **1900CST** — **0** — **0** — **Flash Flood**

Very heavy rains from thunderstorms flooded the intersection of FM 2051 and FM 829 in the Friendship community of southwestern Dawson County. The intersection flooded up to 3 feet deep with both water and thick mud.

Midland County

4 NW Midland — **18** — **1742CST** — **0** — **0** — **Hail (0.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
TEXAS, West									
Midland County									
Maf	**18**	**1749CST**			**0**	**0**			**Thunderstorm Wind (G56)**
Midland County									
2 N Midland	**18**	**1756CST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Damaging outflow winds from thunderstorms knocked down trees and power lines in Midland.									
Midland County									
1 S Maf	**18**	**2015CST** **2100CST**			**0**	**0**			**Flash Flood**
An underpass on Business I-20 was flooded and closed after heavy rains fell over the area.									
Pecos County									
Imperial	**18**	**1751CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Downbursting winds blew shingles off houses.									
Ector County									
Pleasant Farms	**18**	**1825CST**			**0**	**0**			**Thunderstorm Wind (G55)**
Ector County									
Odessa	**18**	**1930CST** **2030CST**			**0**	**0**			**Flash Flood**
West County Rd. on the west side of Odessa became flooded with the deepest water between 12th and 13th Streets. Also cars were stalled in high water near the Pueblo x 10th St. intersection.									
Glasscock County									
St Lawrence	**18**	**2004CST**			**0**	**0**			**Thunderstorm Wind (G52)**
A Sheriffs Deputy estimated 60 mph outflow winds that almost blew his vehicle off the highway.									
Howard County									
8 NE Big Spring	**22**	**2156CST** **2330CST**			**0**	**0**			**Flash Flood**
Flooding on State Highway 350 northeast of Big Spring resulted in stranded autos. The flooding was over a 2 mile stretch in various low spots.									
TEXAS, Western North									
Hardeman County									
3 SW Chillicothe	**10**	**2140CST**			**0**	**0**	**0.01K**		**Thunderstorm Wind**
Tree limbs ranging from eight to ten inches in diameter blocked numerous roads between Chillicothe and Medicine Mound.									
Clay County									
7 NW Henrietta	**17**	**1630CST**			**0**	**0**	**10K**		**Thunderstorm Wind**
Severe winds knocked a tractor trailer over on Highway 287.									
Clay County									
Henrietta	**17**	**1630CST**			**0**	**0**	**0.50K**		**Thunderstorm Wind**
Severe thunderstorm winds blew down power lines and numerous tree limbs.									
Wichita County									
3 W Burkburnett	**17**	**1638CST**			**0**	**0**			**Hail (0.88)**
Wichita County									
Iowa Park	**17**	**1655CST**			**0**	**0**			**Hail (1.00)**
Clay County									
Henrietta	**17**	**1710CST**			**0**	**0**	**10K**		**Thunderstorm Wind (G52)**
A trailer was blown over by severe thunderstorm winds.									
Clay County									
6 NW Henrietta	**17**	**1715CST**			**0**	**0**	**25K**		**Thunderstorm Wind**
Severe thunderstorm winds destroyed a mobile home.									
Clay County									
6 N Henrietta	**17**	**1730CST**			**0**	**0**			**Hail (0.88)**
Wichita County									
Iowa Park	**17**	**1732CST**			**0**	**0**			**Hail (0.88)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

TEXAS, Western North

Clay County

6 NNE Jolly | **17** | **1735CST** | | | **0** | **0** | **50K** | | **Thunderstorm Wind**

Severe winds blew the porch and roof off a house, knocked the windows out of another house, and caused major shingle and roof damage. Several barns in the area were also destroyed by the winds.

Wichita County

Wichita Falls | **17** | **1736CST** | | | **0** | **0** | | | **Thunderstorm Wind (G59)**

Archer County

Lakeside City | **17** | **1740CST** | | | **0** | **0** | | | **Thunderstorm Wind (G56)**

Clay County

5 E Jolly | **17** | **1740CST** | | | **0** | **2** | **2.3M** | | **Thunderstorm Wind**

Severe thunderstorm winds blew a train car off the tracks, which in turn caused the rest of the freight train to derail. In all, 30 cars and 2 engines were derailed. One train car smashed into two automobiles and a tractor trailer that were parked on a parallel highway. The 2 occupants of one of the automobiles were treated for minor injuries. Damage to the train and track was estimated at $2,000,000.

Wichita County

Iowa Park | **17** | **1815CST** | | | **0** | **0** | **2K** | | **Thunderstorm Wind**

Severe thunderstorm winds blew the roof off a metal barn.

Archer County

7 S Windthorst | **17** | **1845CST** | **0.5** | **75** | **0** | **0** | | | **Tornado (F0)**
1848CST

An F0 tornado touched down in an open field about 1/2 mile west of Highway 16. It was on the ground for about 3 minutes and did no reported damage.

Wilbarger County

1 E Harrold | **17** | **1900CST** | | | **0** | **0** | | | **Hail (1.75)**

Archer County

11 S Windthorst | **17** | **1915CST** | **0.1** | **25** | **0** | **0** | | | **Tornado (F0)**

An F0 tornado touched down briefly about 1/5 miles west of Highway 16. No damage was reported.

Knox County

5 SE Vera | **17** | **1945CST** | | | **0** | **0** | | | **Thunderstorm Wind (G52)**

Baylor County

1 NE Red Spgs | **17** | **2030CST** | | | **0** | **0** | | | **Thunderstorm Wind (G52)**

Knox County

Benjamin | **17** | **2030CST** | | | **0** | **0** | | | **Hail (0.75)**

Knox County

Benjamin | **17** | **2030CST** | | | **0** | **0** | | | **Thunderstorm Wind (G52)**

Summary of events of the afternoon and evening of August 17, 1997:

Severe thunderstorms moved along and south of the Red River, producing large hail, damaging thunderstorm winds, and two tornadoes in western parts of north Texas. The tornadoes were observed south of Windthorst in Archer County. No damage was reported and both were rated at F0.

The largest hail was reported near Harrold in Wilbarger County, where hail reached the size of golf balls.

The most significant wind damage occurred in Clay County, where severe thunderstorm winds caused major damage to a group of houses and barns and then derailed a freight train near Jolly. Significant wind damage was also reported in the Henrietta area of Clay County and in Iowa park in Wichita County.

See preceding individual Storm Data entries for further details and additional reports.

Hardeman County

5 SW Chillicothe | **19** | **1715CST** | | | **0** | **0** | | | **Hail (0.88)**

Hardeman County

4 SW Chillicothe | **19** | **1720CST** | | | **0** | **0** | | | **Hail (0.75)**

Foard County

7 SW Crowell | **19** | **1855CST** | | | **0** | **0** | | | **Thunderstorm Wind (G52)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
TEXAS, Western North									
Foard County									
7 SW Crowell	**19**	**1910CST**			**0**	**0**			**Thunderstorm Wind (G52)**
UTAH, North, Central and South									
Wayne County									
8 SE Torrey	**04**	**1430MST** **1530MST**			**0**	**0**	**5K**		**Flash Flood**
Flash flooding was reported by the Capitol Reef NP rangers along Sulphur Creek and on the Freemont River. Minor damage to roadways occurred. A spotter in Torrey reported 1.21" of rain in 20 minutes.									
Duchesne County									
Duchesne	**04**	**2030MST** **2230MST**			**0**	**0**	**20K**		**Flash Flood**
Flash flooding was reported by the Duchesne County Sheriff along stretches of US-HWY 40 in the Duchesne area. The flood waters from the Duchesne River caused the highway to be closed for several hours. A spotter in Duchesne received 1.40" of rain in 90 minutes and 1.75" total rain on this date.									
Garfield County									
1 N Hatch	**09**	**1310MST** **1430MST**			**0**	**0**	**5K**		**Flash Flood**
Piute County									
Marysvale	**09**	**1600MST** **1700MST**			**0**	**0**	**25K**		**Flash Flood**
Flash flooding was reported in southwest Utah by the Utah Highway Patrol. Early in the afternoon, flooding along the Sevier River closed a portion of US-HWY 89 just north of Hatch. Later flooding occurred in the Marysvale area. Several vehicles were trapped trying to drive through mud and debris on US-HWY 89. A spotter in Duck Creek Village received 2.19" of rain on this date.									
Washington County									
East Portion	**10**	**0700MST** **1300MST**			**0**	**0**	**100K**		**Flash Flood**
Several flash floods occurred in the county causing road closures and damage. Extensive flooding caused the closure of SR-9 from Zion National Park to Mount Carmel Junction. This roadway eroded in several spots. Basement flooding occurred in the communities of Little Valley and Bloomington Hills. The Virgin River rose about 8 feet in the Springdale and Rockville areas. A river gage on the Virgin in Hurricane went from 82 to 4451 CFS from 1030 MST to 1315 MST. 10 horses had to be rescued from the flood waters at the Lagracias Stables in Rockville. Kanab received 1.65" of rain and Zion National Park had 1.25" on this morning.									
Box Elder County									
(Bmc)Brigham City Ar	**10**	**1940MST** **2040MST**			**0**	**0**	**5K**		**Thunderstorm Wind (G58)**
Salt Lake County									
Saltair to South Jordan	**10**	**1940MST** **2040MST**			**0**	**0**	**5K**		**Thunderstorm Wind (G58)**
Weber County									
Harrisville	**10**	**1940MST** **2040MST**			**0**	**0**	**5K**		**Thunderstorm Wind (G52)**
A cluster of severe thunderstorms developed over northwest Utah during the evening. Microburst winds downed power lines and trees. Visibilities as low as 3/4 of a mile occurred due to blowing sand and dust. Peak wind gusts of 67mph (58kts) occurred at the Saltair Marina and the Brigham City Airport, and 60mph (52kts) occurred in Harrisville and South Jordan.									
Emery County									
3 S Green River	**12**	**1230MST** **1240MST**			**0**	**1**	**10K**		**Thunderstorm Wind (G61)**
Millard County									
Kanosh	**12**	**1430MST** **1445MST**			**0**	**0**			**Hail (0.75)**
Tooele County									
10 ENE Dugway	**12**	**1650MST**			**0**	**0**			**Hail (0.75)**
Tooele County									
(Dpg)Michael Aaf Dug	**12**	**1700MST** **1704MST**			**0**	**0**			**Thunderstorm Wind (G57)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

UTAH, North, Central and South

Utah County

10 E (Pvu)Provo Muni Arpt | **12** | **1900MST** | | | **1** | **1** | | | **Thunderstorm Wind (G50)**

M19CA

Severe thunderstorms developed on this date across northern Utah. A semi-trailer was blown over on I-70 just south of Green River. 3/4" diameter hail was reported in Kanosh and on Johnson's Pass near Dugway. A military forecaster reported a microburst wind gust to 66 mph (57kts) on the Dugway Mesonet. He also reported seeing several funnel clouds over the Dugway Proving Grounds. A 19-year man was killed at the Cherry Campground in Hobble Creek Canyon when a large tree limb was dislodged by thunderstorm winds and struck him.

Salt Lake County

Holladay | **13** | **0410MST** **0500MST** | | | **0** | **0** | **300K** | | **Lightning**

Lightning struck a chimney and sparked a fire in the Aix La Chapelle Condominiums at 2220 E 4800 S in Holladay. several units received heavy fire damage.

Salt Lake County

South Jordan to 8 E Sugar House | **17** | **1310MST** **1405MST** | | | **0** | **0** | **10K** | | **Hail (1.00)**

Utah County

American Fork | **17** | **1410MST** **1415MST** | | | **0** | **0** | | | **Hail (0.75)**

Severe thunderstorms dumped large hail across the Salt Lake Valley and in American Fork.

Summit County

20 E Kamas | **20** | **1700MST** **2000MST** | | | **1** | **0** | | | **Thunderstorm Wind (G50)**

F12CA

Salt Lake County

(Slc)Salt Lake City | **20** | **1806MST** **1810MST** | | | **0** | **0** | | | **Thunderstorm Wind (G59)**

Strong thunderstorm winds toppled a dead pine tree at Camp Frontier about 20 miles north of Mirror Lake. The tree struck a 12 year old girl in the head, killing her instantly. Later, a microburst wind gust to 68 mph (59 kts) occurred at the National Weather Service Office in Salt Lake City.

Piute County

Kingston | **22** | **1300MST** **1800MST** | | | **1** | **0** | **30K** | **20K** | **Flash Flood**

Flash flooding occurred on the East Fork of the Sevier River in Piute county. Just east of Kingston, farmers' hay crops were destroyed. Logging trails in the area were washed out. Mud slides trapped motorists for nearly 10 hours on SR-62. F12CA

UTAH, Northeast

Uintah County

15 NW Vernal | **05** | **2100MST** **2125MST** | | | **0** | **0** | | | **Flash Flood**

Heavy rains resulted in about a foot of water and debris over a county road along Dry Fork Creek.

VERMONT, North and Central

Washington County

Waitsfield | **03** | **0200EST** **0230EST** | | | **0** | **0** | **50K** | | **Lightning**

Washington County

Warren | **03** | **0215EST** **0220EST** | | | **0** | **0** | | | **Hail (0.88)**

During the early morning hours of August 3, 1997 a cold front moved south from Canada into northern Vermont. Thunderstorms wirh very heavy rain, large hail and deadly lightning moved across the area. A store in Waitsfield, VT was struck by lightning and set on fire with considerable damage.

Chittenden County

Jericho | **11** | **1615EST** **1620EST** | | | **0** | **0** | | | **Tstm Wind/Hail**

A cold front moved south from Canada and across Vermont during the late afternoon and evening. This front triggered thunderstorms with locally heavy rain, gusty winds and small hail. Pea size hail was reported at Jericho, VT.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

VERMONT, North and Central

VTZ009 Addison

	21	**0800EST** **1200EST**	**0**	**0**	**10K**		**High Wind (G46)**

An area of low pressure moved from the Ohio Valley on Wednesday, August 20, 1997 to just south of New England on Thursday, August 21, 1997. Heavy rain fell across Vermont during August 21, 1997 with strong winds reported along the west slopes of the Green Mountains of Vermont with a few power outages. South Lincoln reported winds of 46 knots.

VTZ011 Rutland

	21	**0800EST** **1200EST**	**0**	**0**	**5K**		**High Wind**

An area of low pressure moved from the Ohio Valley on Wednesday, August 20, 1997 to just south of New England on Thursday, August 21, 1997. Heavy rain fell across Vermont during August 21, 1997 with strong winds reported along the west slopes of the Green Mountains of Vermont. Strong winds with power outages were reported in the Lake Dunmore area.

VTZ005 Chittenden

	21	**0900EST** **1200EST**	**0**	**0**	**5K**		**High Wind (G36)**

An area of low pressure moved from the Ohio Valley on Wednesday, August 20, 1997 to just south of New England on Thursday, August 21, 1997. Heavy rain fell across Vermont during August 21, 1997 with strong winds reported along the west slopes of the Green Mountains of Vermont with a few power outages. Huntington Center reported winds of 36 knots.

Grand Isle County

South Hero	**22**	**1812EST** **1815EST**	**0**	**0**			**Hail (0.75)**

Orange County

Strafford	**22**	**1820EST** **1825EST**	**0**	**0**			**Hail (0.75)**

An unstable atmosphere across the region associated with an upper level low over the Great Lakes resulted in numerous thunderstorms with reports of some hail.

Grand Isle County

2 SW Grand Isle Station	**28**	**1325EST**	**0**	**0**			**Hail (0.88)**

A cold front moved across Vermont during the afternoon hours. Heavy rain and locally large hail accompanied a few of the thunderstorms with this front. The Grand Isle ferry reported wind gust to 43 knots and nickle size hail in the Vermont waters of Lake Champlain, approximately 2 miles Southwest of Grand Isle Station, Vt.

VERMONT, South

VTZ013 Bennington

	21	**0600EST** **1000EST**	**0**	**0**	**15K**		**Strong Wind**

During the morning of August 21, winds gusting to 40 miles an hour downed trees and power lines at North Bennington, Dorset and Sandgate in Bennington County. The winds were a result of a strong low pressure system which was moving northeast along the Atlantic coast. Approximately 1,000 customers lost power.

VIRGIN ISLANDS

St. Croix County

St. Croix	**04**	**1812AST** **1830AST**	**0**	**0**			**Thunderstorm Wind (G50)**

A line of thunderstorms crossed St. Croix producing strong wind gusts. A storm spotter in Christiansted reported gusts of 50 mph at Maria Hill. No damage reports were received.

St. John County

St. John	**08**	**1535AST** **1550AST**	**0**	**0**			**Waterspout**

A mariner reported a waterspout north of Tortola near Guano Island.

St. Croix County

St. Croix	**13**	**1300AST** **1500AST**	**0**	**0**			**Urban/Sml Stream Fld**

Heavy rains were reported over the west end of St. Thomas. Minor flooding occurred at Point Nadir and Charlotte Amalie.

St. Thomas County

St. Thomas	**24**	**1705AST** **1905AST**	**0**	**0**			**Heavy Rain**

Heavy rains were reported in St. Thomas.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

VIRGINIA, East

Louisa County

Louisa	**04**	**1215EST**			**0**	**0**	**1K**		**Thunderstorm Wind**
	Large tree down on Route 640.								

Hanover County

Hanover	**04**	**1245EST**			**0**	**0**			**Hail (1.00)**

Essex County

Tappahannock	**04**	**1325EST**			**0**	**0**			**Hail (0.75)**

Richmond County

Wellford	**04**	**1345EST**			**0**	**0**	**1K**		**Thunderstorm Wind**
	Large tree down.								

Gloucester County

Gloucester	**04**	**1420EST**			**0**	**0**	**1K**		**Thunderstorm Wind**
	Pine tree down on power line just east of courthouse.								

James City County

Norge	**04**	**1430EST**			**0**	**0**	**5K**		**Thunderstorm Wind**
	Tree down on house.								

Newport News (C)

Newport News	**06**	**1230EST**			**0**	**0**			**Waterspout**
		1315EST							
	Waterspout was reported just south of Newport News near the James River Bridge.								

VIRGINIA, Extreme Southwest

Washington County

Damascus	**04**	**1310EST**			**0**	**0**		**10K**	**Thunderstorm Wind**
	Trees down throughout north part of county and in the town of Damascus.								

Wise County

Wise	**04**	**1458EST**			**0**	**0**		**10K**	**Thunderstorm Wind**
	Trees down in the city of Wise.								

VIRGINIA, North

VAZ025>031-037>042-050>057 — Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George

	16	**1100EST**			**0**	**50**			**Excessive Heat**
	17	**1500EST**							

West winds circulating around a "Bermuda" high pressure system allowed temperatures to soar over the weekend of the 16th and 17th. Maximum temperatures surpassed the century mark across most of northern Virginia (except in the higher elevations) both days. Heat index values ranged from 105 to 110 each day, but aside from a few heat exhaustion cases, it appeared that at-risk residents remained in air conditioned locations. No heat-related deaths were reported by Virginia medical authorities.

A record high was achieved at Washington/Dulles Airport (VAZ042) on the 16th with a new maximum of 100 degrees. That temperature was matched on the 17th, before strong to severe thunderstorms moved through.

Loudoun County

Sterling	**17**	**1555EST**			**0**	**0**	**15K**		**Thunderstorm Wind**
		1600EST							

Loudoun County

Sterling	**17**	**1610EST**			**0**	**3**			**Lightning**

Loudoun County

Sterling	**17**	**1617EST**			**0**	**0**			**Thunderstorm Wind (G55)**

Fairfax County

Herndon to	**17**	**1622EST**			**0**	**0**	**300K**		**Thunderstorm Wind**
Reston		**1634EST**							

Culpeper County

5 NE Culpeper	**17**	**1700EST**			**0**	**0**	**10K**		**Thunderstorm Wind**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

VIRGINIA, North

Prince William County

Nokesville	**17**	**1730EST**			**0**	**0**	**75K**		**Thunderstorm Wind**

Prince William County

Dale City	**17**	**2020EST**			**0**	**0**	**45K**		**Lightning**

Clusters of strong to severe thunderstorms developed in very unstable hot humid air during the afternoon and evening of the 17th. Some areas were hit repeatedly, while others received nary a drop of rain. The most severe storm of the day drifted across eastern Loudoun Co and into western Fairfax Co, causing hundreds of thousands of dollars damage to property and trees. The storm struck Sterling first, where an 800 lb. section of chimney was blown onto a low roof. Shortly thereafter, a 63 mph gust was recorded at Washington/Dulles International Airport (IAD).

The cell drifted into western Fairfax Co, producing widespread tree, limb, and wire damage in Herndon and Reston. Direct wind-related damage to homes included shingle, siding, and a couple of blown-out windows. However, falling trees and large limbs produced much more substantial damage. Four homes were temporarily condemned; an additional 24 homes sustained minor to moderate damage. One home lost a section of roof, and rain water damage to interior material (such as furniture) was extensive. At another home, a tree fell onto a fuel meter, causing a small leak. At least two vehicles were damaged by falling tree debris. Over 100 trees were damaged, and at least 20 roads were blocked immediately after the storm.

Lightning associated with the same cell struck the concourse at IAD, causing slight injuries to three airline food service personnel. The combination of lightning and wind left an estimated 23,000 customers in the Herndon and Reston area without power. Virginia Power reported a total of 31,000 customers were in the dark during the height of the storm.

Other severe storms developed as the entire area drifted south. In Culpeper Co, several large limbs blocked portions of local route 625 north of the city of Culpeper. A barn roof was lifted by winds in the Nokesville (Prince William Co) area; specifically at the intersection of state route 28 and Fitzwater. Several trees were uprooted, and some wires downed, as well.

Additional storms developed after sunset, adding to the localized rain totals and causing more damage. Lightning struck a home in Dale City, causing an attic fire. The repeating cells dumped a total of 3.32 inches of rain at IAD, while a storm spotter in nearby Sterling received less than 1.5 inches. The blinding rains may have contributed to an automobile accident in Herndon; six passengers suffered some degree of injury when their vehicle struck a tree.

VAZ052>053-055>057 — Prince William - Fairfax - Stafford - Spotsylvania - King George

	20	**0600EST** **1700EST**			**0**	**0**	**5K**		**Heavy Rain**

A soaking rain put a dent into the summer drought on the 20th. The precipitation was caused by low pressure moving up the eastern seaboard. Rainfall across the Virginia suburbs of Washington, DC ranged from 1 1/2 to 2 inches. The combination of heavy rain with strong thunderstorms of three days prior may have contributed to two poplar trees falling onto the Capital Beltway in Tysons Corner (Fairfax Co) during the early morning commute. The downed trees caused a 10-mile backup to ensue on the southbound lanes. Virginia Power reported scattered outages during the event.

VIRGINIA, Northwest

Buchanan County

1 W Maxie	**04**	**1235EST**			**0**	**0**	**2K**		**Thunderstorm Wind**

Buchanan County

Deskins	**04**	**1240EST**			**0**	**0**	**5K**		**Thunderstorm Wind**

Numerous trees were blown down along Route 620.

Buchanan County

Deskins	**04**	**1250EST**			**0**	**0**			**Hail (0.75)**

VIRGINIA, Southwest

Patrick County

10 NE Stuart	**25**	**1255EST**			**0**	**0**			**Hail (0.80)**

An isolated severe thunderstorm during the afternoon hours on the 25th produced hail slightly larger than dime size.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

WASHINGTON, Northeast

Ferry County

Republic	**06**	**1700PST**			**0**	**0**	**20K**	**0**	**Lightning**
10 head of cattle were killed by lightning									

Okanogan County

4 W Oroville	**06**	**1830PST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G61)**
61 mph gust reported at automatic weather station ...elev 1303 ft									

Okanogan County

Ione	**06**	**2130PST**			**0**	**0**	**3K**	**0**	**Tstm Wind/Hail**
large trees blown down									

Pend Oreille County

4 N Ione	**06**	**2200PST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G67)**
67 mph gust from automated fire weather station									

Spokane County

Spokane	**14** **16**	**1200PST** **1200PST**			**0**	**0**	**800K**	**0**	**Wild/Forest Fire**
2000 acre fire in sw spokane exacerbated by dry conditions and wind gusts to 30 mph. This was a Type II fire. Cost includes fire suppression...									

Stevens County

Tumtum to Tum Tum	**14** **16**	**1200PST** **1200PST**			**0**	**0**	**400K**	**0**	**Wild/Forest Fire**
1300 acre fire exacerbated by dry conditions and wind gusts to 30 mph. There was a Type II team at this fire. Cost includes fire suppression.									

Chelan County

Wenatchee	**26**	**1500PST**			**0**	**0**	**5K**	**0**	**Tstm Wind/Hail**
trees and power lines blown down									

Douglas County

Waterville	**26**	**1530PST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G58)**
spotter reported 58 mph gust									

Chelan County

Manson	**26**	**1540PST**			**0**	**0**	**35K**	**50K**	**Tstm Wind/Hail**
trees down and power outages...2 cars were damaged by falling trees...apple and pear growers reported some damage.									

Chelan County

Manson	**26**	**1600PST**			**0**	**0**	**20K**	**50K**	**Thunderstorm Wind (G78)**
78 mph gust recorded at warehouse...damage to building and apple orchards									

Okanogan County

Omak	**26**	**1615PST**	**0.1**	**50**	**0**	**0**	**0**	**0**	**Tornado (F0)**
WCM confirms brief tornado touchdown...F0									

Okanogan County

Omak	**26**	**1615PST**			**0**	**0**	**250K**	**0**	**Tstm Wind/Hail**
wind destroyed a hanger at the Omak airport...three planes were severely damaged at the Omak airport. The stampede arena just east of the airport was damaged									

Douglas County

Douglas	**26**	**1641PST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G72)**
72 mph gust from automated fire weather station									

Okanogan County

Brewster	**26**	**1700PST**			**0**	**0**	**10K**	**0**	**Thunderstorm Wind (G66)**
66 mph gust from spotter. Many trees down									

Chelan County

Dryden	**26**	**1615PST**			**0**	**0**	**0**	**20K**	**Tstm Wind/Hail**
Pear and apple trees damaged									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
WASHINGTON, Northeast									
Chelan County									
Leavenworth	**26**	**1615PST**			**0**	**0**	**70K**	**0**	**Tstm Wind/Hail**
Trailer house destroyed and small grove of trees knocked down									
Okanogan County									
Brewster	**26**	**1700PST**			**0**	**0**	**100K**	**100K**	**Thunderstorm Wind (G66)**
Damage to orchards and buildings in area									
WASHINGTON, Northwest									
King County									
Kirkland	**06**	**1400PST** **1600PST**			**0**	**0**			**Lightning**
Snohomish County									
Arlington	**06**	**1400PST** **1600PST**			**0**	**1**			**Lightning**
Two people were struck by lightning. Only one was injured with burns on his leg. Lightning also damaged a church furnace and split trees. Power was knocked out to about 1000 customers.									
Snohomish County									
Snohomish	**24**	**1711PST**	**0.5**	**20**	**0**	**0**			**Tornado (F0)**
A weak tornado damaged a barn.									
Grays Harbor County									
3 W Elma	**26**	**1622PST** **1623PST**	**0.5**	**20**	**0**	**0**			**Tornado (F0)**
State patrol reported a weak tornado that caused minor tree damage.									
WASHINGTON, Southeast									
WAZ029	**Blue Mountain Foothills**								
	24	**0525PST**			**0**	**0**			**High Wind (G50)**
High wind blew down power lines in College Place.									
WAZ025	**East Slopes Southern Cascades**								
	26	**1300PST** **1700PST**			**2**	**0**			**High Wind (G61)**
Wind caused power outages in approximately 1500 homes from Toppenish to Grandview. Light damage was done to area apple and pear crops that had yet to be harvested. The windstorm also split a tree that knocked down a power line and electrically charged an irrigation ditch. Two teenagers were shocked and drowned while swimming in the ditch the next day, August 27. F15IW, M13IW									
Yakima County									
White Swan	**26**	**1330PST** **1335PST**	**1**	**25**	**0**	**0**			**Tornado (F0)**
F0 tornado one mile west of White Swan with a path length of 1 mile and a path width of 25 yards. Wind damage to roofs of pump house, 3 homes, warehouse, storage building, and barn.									
WAZ025	**East Slopes Southern Cascades**								
	26	**1400PST** **1500PST**			**4**	**4**			**High Wind (G65)**
Four people were killed when high wind blew a tree onto their truck near Bumping Lake. Two people were injured when two trees blew down on their camper trailer near Bumping Lake. Numerous trees fell across Bumping Lake Road. Summer homes along highway 410 were damaged by falling trees...one was destroyed. A large number of big trees were blown down in the Rimrock Lake area, the Indian creek drainage area, and 8 E of White Pass on highway 12. A 900-square-foot steel section was blown off a building in White Swan. Two cars were hit by falling trees 15 miles north of Cle Elum...two people were injured and air lifted to hospital. M53VE, F27VE, M30VE, M4VE									
Benton County									
Berrian to Finley	**26** **27**	**1530PST** **1100PST**			**0**	**0**			**Wild/Forest Fire**
A brush fire fueled by a powerful dust storm blackened the hills of south Kennewick. Over 5100 acres of sage brush were burnt and electricity to a local TV and radio tower was cut off by the fire. No homes were destroyed.									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

WASHINGTON, Southwest

NONE REPORTED.

WEST VIRGINIA, East

WVZ051>053 Morgan - Berkeley - Jefferson

16 1100EST 0 0 Excessive Heat
17 1500EST

West winds circulating around a "Bermuda" high pressure system allowed temperatures to soar over the weekend of the 16th and 17th. Maximum temperatures were near or just above the century mark across the eastern panhandle of West Virginia. Heat index values ranged from 105 to 110 each day, but aside from several heat exhaustion cases, there were few problems. No heat-related deaths were reported.

Maximum temperatures at Martinsburg airport (WVZ052) were 101 degrees on the 16th and 100 on the 17th.

Mineral County

Elk Garden to Keyser	**17**	**1555EST**	**0**	**0**	**12K**		**Thunderstorm Wind**

Hampshire County

Romney	**17**	**1600EST**	**0**	**0**	**5K**		**Thunderstorm Wind (G52)**

Berkeley County

Countywide	**17**	**1655EST**	**0**	**0**	**5K**		**Thunderstorm Wind**

Clusters of strong to severe thunderstorms developed ahead of a strong cold front, one that put an abrupt end to a two-day period of oppressive heat and humidity. Scattered damage was reported across northeast West Virginia during the late afternoon of the 17th. Ten trees and large limbs were blocking roads in northern Mineral Co between Elk Garden, Fountain, and Keyser. In Romney, estimated winds of 60 to 65 mph blew down trees and large limbs. Scattered tree damage, including limbs that blocked roads, was reported in eastern Berkeley Co.

WEST VIRGINIA, North

Hancock County

Weirton	**16**	**1955EST**	**0**	**0**	**3K**		**Thunderstorm Wind**

Trees and power lines were downed by thunderstorm winds.

Brooke County

Colliers	**16**	**2000EST**	**0**	**0**	**2K**		**Thunderstorm Wind**

Several trees were downed by thunderstorm winds.

Hancock County

Chester	**16**	**2010EST**	**0**	**0**	**2K**		**Thunderstorm Wind**

Hancock County

Newell	**16**	**2010EST**	**0**	**0**	**2K**		**Thunderstorm Wind**

Trees were downed by thunderstorm winds in Newell and Chester.

Ohio County

Elm Grove	**16**	**2020EST**	**0**	**0**	**2K**		**Thunderstorm Wind**

Thunderstorm winds downed several trees and large limbs.

Marshall County

Moundsville	**16**	**2030EST**	**0**	**0**	**2K**		**Thunderstorm Wind**

Trees were downed by thunderstorm winds, some onto Route 2.

Wetzel County

New Martinsville	**16**	**2115EST**	**0**	**0**	**3K**		**Thunderstorm Wind**

Several trees were downed by thunderstorm winds.

Monongalia County

Westover	**16**	**2145EST**	**0**	**0**	**1K**		**Thunderstorm Wind**

Thunderstorm winds downed a tree and some large limbs.

Preston County

Kingwood	**16**	**2210EST**	**0**	**0**	**2K**		**Thunderstorm Wind**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

WEST VIRGINIA, North

Preston County

Terra Alta | **16** | **2215EST** | **0** | **0** | **2K** | **Thunderstorm Wind**

Thunderstorm winds downed several trees in Terra Alta, Kingwood and Fellowsville.

Preston County

Fellowsville | **16** | **2230EST** | **0** | **0** | **2K** | **Thunderstorm Wind**

Ohio County

Valley Grove | **17** | **1505EST** | **0** | **0** | **1K** | **Thunderstorm Wind**

Thunderstorm winds downed a tree and some large limbs.

Ohio County

Wheeling | **17** | **1600EST** | **0** | **0** | **1K** | **Thunderstorm Wind**

Thunderstorm winds downed a tree and some large limbs.

Preston County

Masontown | **17** | **2200EST** | **0** | **0** | **300K** | **Lightning**

Lightning struck a Masontown business and started a fire, severely damaging the building and its contents.

WEST VIRGINIA, Southeast

Monroe County

5 NE Union | **04** | **1044EST** | **0** | **0** | **Hail (0.75)**

Thunderstorms during the late morning hours on the 4th produced hail up to dime size.

Monroe County

5 NW Lindside | **17** | **1845EST** | **0** | **0** | **Hail (0.75)**

Monroe County

5 NW Lindside | **17** | **1845EST** | **0** | **0** | **1K** | **Thunderstorm Wind**

Thunderstorms during the evening hours on the 17th produced damaging winds and hail up to dime size.

Thunderstorm winds knocked down trees and destroyed an old outbuilding 5 miles northwest of Lindside.

WEST VIRGINIA, West

Mason County

4 E Arbuckle | **04** | **0730EST** | **0** | **0** | **2K** | **Thunderstorm Wind**

Fallen large trees blocked Cain Ridge Road.

Jackson County

Fair Plain | **04** | **1520EST** | **0** | **0** | **Hail (0.75)**

Cabell County

Huntington | **15** | **1400EST** | **0** | **0** | **Hail (0.88)**

Roane County

Harmony | **15** | **1420EST** | **0** | **0** | **Hail (0.75)**

Roane County

Harmony to Gandeeville | **15** | **1420EST 1430EST** | **0** | **0** | **100K** | **Thunderstorm Wind**

A cinderblock garage in Gandeeville was destroyed. The owner was leaving the garage when the storm began. He was hit in the back by a falling block, then pelted with hail as he ran to his nearby home. He was not injured. Windows and part of the roof were damaged at his house. Several fence posts and trees were downed along the road between Harmony and Gandeeville. One 42 inch diameter oak tree was uprooted. Minor roof damage to other homes and barns occurred. A series of grave markers were blown over.

Roane County

Gandeeville | **15** | **1430EST** | **0** | **0** | **Hail (1.75)**

Kanawha County

St Albans | **15** | **1445EST** | **0** | **0** | **5K** | **Thunderstorm Wind**

Ten to 12 trees and many large branches were knocked down within the city limits.

Harrison County

1 E Clarksburg | **17** | **0215EST** | **1** | **0** | **35K** | **Lightning**

A lightning strike ignited a house fire in a Summit Park one floor house, killing the 81 year od woman sleeping inside. The bolt travelled into the home on an electric wire serving an outdoor light fixture.

F81PH

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

WEST VIRGINIA, West

Wood County

Lubeck to Parkersburg 17 1300EST 0 0 200K **Thunderstorm Wind**

A total of 25 homes were damaged by fallen trees from Parkersburg on south and west, including the Lubeck and Mineralwells region. Sheds and cars were also damaged. One of the hardest hit regions in Parkersburg was the Meadowcrest region. One chainsaw dealer said, "we're inundated with service, everybody's got a tree down".

Ritchie County

Harrisville 17 1315EST 0 0 70K **Thunderstorm Wind**

Four houses and 2 businesses sustained damage on the west end of town. The damage was mainly to porches and roofs. On a golf course, about 150 trees were snapped or blown down.

Jackson County

Murraysville 17 1345EST 0 0 2K **Thunderstorm Wind**

Cabell County

Green Bottom 17 1430EST 0 0 2K **Thunderstorm Wind**

Taylor County

Grafton 17 1430EST 1 0 5K **Thunderstorm Wind**

A 40 year old man was killed, while driving on Route 50, when a large tree branch struck his vehicle. M40VE

Mason County

Ashton 17 1445EST 0 0 2K **Thunderstorm Wind**

Putnam County

Buffalo 17 1500EST 0 0 5K **Thunderstorm Wind**

Roane County

Newton 17 1530EST 0 0 2K **Thunderstorm Wind**

Telephone wires were knocked down by fallen trees.

Clay County

Big Otter 17 1545EST 0 0 8K **Thunderstorm Wind**

Mason County

Point Pleasant 17 1546EST 0 0 15K **Thunderstorm Wind**

Braxton County

Sutton 17 1550EST 0 0 1K **Thunderstorm Wind**

Cabell County

Huntington 17 1550EST 0 0 2K **Thunderstorm Wind**

Wayne County

Echo 17 1620EST 0 0 **Hail (0.75)**

Jackson County

New Era 17 1625EST 0 0 5K **Thunderstorm Wind**

Webster County

Webster Spgs 17 1630EST 0 0 1K **Thunderstorm Wind**

Harrison County

Shinnston to Clarksburg 17 1645EST-1700EST 0 0 95K **Lightning**

Lightning struck utility poles and dwellings. The building housing the National Weather Service weather radio station was extensively damaged by an electrical fire. Both transmitters were destroyed, prompting a relocation of the station to Clarksburg, after 20 years at the Shinnston site. In Clarksburg, lightning downed power lines onto vehicles. One man was trapped in this car for an hour.

Webster County

Hacker Vly 17 1655EST 0 0 2K **Thunderstorm Wind**

Fallen trees blocked Route 20.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

WEST VIRGINIA, West

Fayette County

Pax to Mt Hope — **17** — **1700EST** — **0** — **0** — **10K** — **Thunderstorm Wind**

One fallen tree damaged a home in Mt Hope.

Raleigh County

Clear Creek — **17** — **1700EST** — **0** — **0** — **1K** — **Thunderstorm Wind**

Randolph County

5 E Pickens — **17** — **1700EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Several trees and large branches were downed in the Kumbrabow State Forest and along Turkeybone Mountain Road.

Boone County

Racine — **17** — **1720EST** — **0** — **0** — **1K** — **Thunderstorm Wind**

Wyoming County

Pineville — **17** — **1730EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Wayne County

East Lynn — **17** — **1945EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Wayne County

Ft Gay to Dunlow — **17** — **1945EST** **1950EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Wayne County

Kiahsville — **17** — **1945EST** — **0** — **0** — **1K** — **Thunderstorm Wind**

Wayne County

Wayne — **17** — **1945EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Cabell County

Huntington to Barboursville — **17** — **2000EST** **2005EST** — **0** — **0** — **15K** — **Thunderstorm Wind**

Lincoln County

Ranger — **17** — **2000EST** — **0** — **0** — **2K** — **Thunderstorm Wind**

Tyler County

Middlebourne — **17** **18** — **2230EST** **0030EST** — **0** — **0** — **5K** — **Flash Flood**

Secondary roads were blocked by overflowing small streams. Minor road damage occurred. No dwellings were affected.

Several different lines or clusters of thunderstorms moved across the region during this Sunday afternoon. Most damage was isolated and relatively minor. The exception was in and around the mid Ohio Valley town of Parkersburg, on east, along the Route 50 corridor.

WISCONSIN, Extreme Southwest

NONE REPORTED.

WISCONSIN, Northeast

Wood County

2 E Marshfield — **02** — **1840CST** — **0** — **0** — **1K** — **Lightning**

Isolated thunderstorms produced wind gusts to 53 mph in Marshfield (Wood co.) and frequent lightning. One lightning strike knocked a tree over, pulling power lines down.

Waushara County

3 E Redgranite — **03** — **2015CST** — **0** — **0** — **Hail (1.00)**

Scattered thunderstorms developed during the evening over central Wisconsin. One storm in Waushara county produced hail and strong winds north and east of Redgranite. The strong wind gusts knocked trees down 3 miles east of Redgranite.

Waupaca County

Weyauwega — **14** — **2315CST** — **0** — **0** — **50K** — **Lightning**

Lightning struck a property twice during the early morning hours (local time) of August 15, severely damaging a house. The first lightning strike ricocheted off a tree and into the ground, damaging a nearby tent. Ten minutes later, a bolt of lightning struck the house on the property, setting the house on fire.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
WISCONSIN, Northeast									
Vilas County									
Boulder Jct	**15**	**1935CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Vilas County									
Starlake	**15**	**1945CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Isolated thunderstorms developed during the late evening across northern and central Wisconsin. Strong winds knocked several large trees down in Vilas county.									
WISCONSIN, Northwest									
Price County									
6.5 E Prentice	**03**	**1745CST**			**0**	**0**			**Hail (0.75)**
Price County									
7 SE Prentice	**03**	**1804CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Burnett County									
10 E Grantsburg	**03**	**1907CST**			**0**	**0**			**Hail (0.75)**
Burnett County									
5 SE Grantsburg	**03**	**1915CST**			**0**	**0**			**Hail (0.75)**
Burnett County									
5 SE Grantsburg	**03**	**1915CST**			**0**	**0**			**Thunderstorm Wind (G52)**
Burnett County									
Alpha	**03**	**1915CST**			**0**	**0**			**Thunderstorm Wind (G60)**
Thunderstorm winds estimated at 60 knots, or about 70 mph, destroyed a barn and several smaller farm buildings. The strong winds also collapsed part of a grain bin, to a total of $180,000. A large trailer was flipped over and numerous trees and power lines were blown down. Many acres of crops (mainly corn, beans, and oats) in the vicinity were damaged by winds and hail. A total dollar estimate of the damage was not available.									
Burnett County									
Falun	**03**	**1930CST**			**0**	**0**			**Hail (0.75)**
WISCONSIN, Southeast									
Sauk County									
La Valle	**03**	**1635CST**			**0**	**0**		**4K**	**Hail (1.00)**
Dodge County									
Clyman to 2 NE Lebanon	**03**	**1645CST**			**0**	**0**	**20K**	**200K**	**Thunderstorm Wind**
Sauk County									
Rock Spgs	**03**	**1650CST**			**0**	**0**		**9K**	**Hail (1.75)**
Sauk County									
3 SE Loganville	**03**	**1705CST**			**0**	**0**	**50K**	**240K**	**Hail (2.50)**
Waukesha County									
Muskego	**03**	**1725CST 1730CST**			**0**	**0**	**200K**		**Thunderstorm Wind**
Dane County									
Blue Mounds	**03**	**1740CST**			**0**	**0**		**7K**	**Hail (1.75)**
Rock County									
Evansville	**03**	**1815CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Rock County									
Beloit	**03**	**1830CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Green Lake County									
Green Lake	**03**	**1835CST**			**0**	**0**		**10K**	**Hail (3.00)**
Green Lake County									
Markesan	**03**	**1850CST**			**0**	**0**	**4K**		**Thunderstorm Wind (G51)**
Dodge County									
Randolph	**03**	**1925CST**			**0**	**0**		**2K**	**Hail (1.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
WISCONSIN, Southeast									
Green Lake County									
3 W Berlin to	**03**	**2030CST**			**0**	**0**	**1M**	**5M**	**Thunderstorm Wind**
2 SE Green Lake		**2045CST**							
Walworth County									
East Troy	**03**	**2110CST**			**0**	**0**			**Hail (1.00)**
Racine County									
2 SW Union Church	**03**	**2115CST**			**0**	**0**	**500K**		**Thunderstorm Wind**

Two rounds of severe thunderstorms struck southeast and south-central Wisconsin during the evening hours. The first round, consisting of short lines of storms moving southeast, produced scattered reports of damaging, powerful winds uprooting large trees, and large hail up to 3 inches in diameter. Northwest to northeast of Lebanon (Dodge Co.), a wet microburst blanketed the ground like snow with hail up to 1.75 inches in diameter. The accompanying powerful winds twisted and pushed over a cattle trailer, tipped over a corn crib, and shoved a hay wagon into the side of a home which damaged an exterior wall and window. In addition, a hay elevator was damaged and many local trees were uprooted. This microburst also extensively damaged or destroyed several corn fields. Another vicious storm generated damaging winds and large hail southeast of Loganville (Sauk Co.). Two homes sustained window and siding damaged by large hail up to 2.5 inches in diameter, which also damaged many cars. In addition, about 3500 acres of corn and soybean fields were extensively damaged or destroyed. Upstream in Rock Springs (Sauk Co.), measured 60 mph winds accompanied hail up to golf ball size. Also hard hit was southeast Waukesha County where a wet microburst swept across Little Muskego Lake and then raked the south shore of the lake. Destructive winds, estimated at 70 to 80 mph, uprooted many trees on the south shore, flipped over boats, damaged a peer, and tore shingles off roofs, Fallen trees with this storm damaged 4 homes, 2 businesses, and 2 vehicles. Hail up to 1.75 inches in diameter accompanied the Muskego microburst.

The second round of scattered severe storms occurred 2 to 3 hours later in the evening. Once again, damaging winds toppeling large trees, and large hail were reported. The northeast 1/3 of Green Lake County was hard hit by a powerful wet macroburst that tore southeast from west of Berlin to southeast of the village of Green Lake. Winds were measured at 70 mph just south of Berlin while visibilities were down to only a few yards in torrential rains. About 105 farms were affected by either property (barns, silos, hog houses) damage, or crop damage (28,000 acres and $5.0 million in damage). Dozens of homes were damaged by felled trees/limbs or hail up to 2 inches in diameter, and dozens of vehicles sustained tree or hail damage. The number of power poles and lines that were downed by the winds and fallen trees was so great that it took utility crews 20 hours to restore power to eastern Green Lake County customers.

Columbia County									
Lodi	**04**	**1215CST**			**0**	**0**			**Urban/Sml Stream Fld**
		1245CST							
Columbia County									
Lodi	**04**	**1225CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Dane County									
Dane	**04**	**1235CST**			**0**	**0**	**0.50K**		**Thunderstorm Wind (G56)**
Dane County									
Madison	**04**	**1300CST**			**0**	**0**			**Urban/Sml Stream Fld**
		1330CST							

Typical summer weather events of isolated tree and power line damage affected south-central Wisconsin as early afternoon thunderstorms rumbled through the area. Heavy rains caused urban street flooding near Lodi (Columbia Co) where 5 to 6 inches of standing water was reported at the intersection of highways 113 and 60, and on the UW campus in Madison, (Dane Co) where water was reported over the curbs.

Fond Du Lac County									
1 W Marytown	**16**	**1355CST**			**0**	**0**	**20K**		**Lightning**

Lightning struck the kitchen corner of a home... igniting a fire which extensively damaged the kitchen. Smoke damage to the rest of the house was also noted.

WISCONSIN, Southwest									
Vernon County									
Coon Valley	**03**	**1642CST**			**0**	**0**	**18K**	**35K**	**Hail (1.75)**
Vernon County									
Viroqua	**03**	**1705CST**			**0**	**0**	**40K**		**Hail (1.75)**
Grant County									
Potosi	**03**	**1912CST**			**0**	**0**		**50K**	**Hail (1.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

WISCONSIN, Southwest

Storm spotters reported hail the size of golfballs, which damaged a few cars and area crops.

Buffalo County

5 N Fountain City	**15**	**2035CST**			**0**	**0**	**8K**		**Thunderstorm Wind (G52)**

Trempealeau County

Centerville	**15**	**2045CST**			**0**	**0**	**6.5K**		**Thunderstorm Wind (G52)**

Winds gusted to 60 mph, blowing down several large trees and temporarily halting a stock car race.

La Crosse County

Onalaska	**23**	**1829CST**			**0**	**0**	**18K**		**Thunderstorm Wind (G52)**

Buffalo County

Waumandee	**23**	**1840CST**			**0**	**0**		**25K**	**Hail (1.50)**

La Crosse County

1 N La Crosse	**23**	**1848CST**			**0**	**0**			**Hail (0.75)**

La Crosse County

La Crosse	**23**	**1855CST**			**0**	**0**	**30K**		**Hail (0.75)**

Buffalo County

Fountain City	**23**	**1900CST**			**0**	**0**	**25K**		**Hail (0.75)**

Storm spotters reported dime to golf ball size hail and winds gusting to 60 mph as scattered severe thunderstorms hit the area.

Buffalo County

Fountain City	**23**	**1945CST** **2150CST**			**0**	**0**	**35K**		**Flash Flood**

La Crosse County

La Crosse	**23**	**1945CST** **2150CST**			**0**	**0**	**50K**		**Flash Flood**

3 to 4 inches of rain in two hours caused flooding of basements and streets with rock and mudslides occurring as well.

WISCONSIN, West

Barron County

Cameron	**02**	**2205CST**			**0**	**0**			**Lightning**

House attic set ablaze by lightning strike.

Polk County

1 W Frederic	**03**	**1935CST**			**0**	**0**			**Thunderstorm Wind (G55)**

Power lines down. Estimated windspeed.

Polk County

1 N Luck	**03**	**1935CST**			**0**	**0**			**Thunderstorm Wind (G55)**

Trees and powerlines down. Estimated windspeed.

Polk County

Milltown	**15**	**1750CST**			**0**	**0**			**Thunderstorm Wind (G50)**

Trees blown down. Estimated windspeed.

Polk County

St Croix Falls	**15**	**1750CST**			**0**	**0**			**Hail (1.75)**

Barron County

3 N Almena	**23**	**1554CST**			**0**	**0**			**Hail (0.75)**

Barron County

Prairie Farm	**23**	**1615CST**			**0**	**0**			**Hail (1.75)**

Dunn County

Ridgeland	**23**	**1615CST**			**0**	**0**			**Hail (1.75)**

Barron County

Hillsdale	**23**	**1620CST**			**0**	**0**			**Hail (1.00)**

Dunn County

7 N Meridean	**23**	**1655CST** **1715CST**			**0**	**0**			**Hail (1.75)**

Severe hail damage to thousands of acres of crops around Spring Brook township. Car damage also reported.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
WISCONSIN, West									
Pepin County									
9 E Durand	**23**	**1715CST**			**0**	**0**			**Hail (1.75)**
Pepin County									
14 E Durand	**23**	**1715CST**			**0**	**0**			**Hail (1.75)**
St. Croix County									
3 NE River Falls	**23**	**1805CST**			**0**	**0**			**Funnel Cloud**
WYOMING, Central and West									
Sweetwater County									
Rock Spgs	**05**	**1430MST**			**0**	**0**			**Funnel Cloud**
	Reported near White Mountain just north of Rock Springs								
Lincoln County									
Thayne	**05**	**1900MST**			**0**	**0**			**Flash Flood**
	At Star Valley Ranch just east of Thayne. Flooding around trailers and summer homes.								
Hot Springs County									
5 SE Thermopolis	**12**	**1635MST**			**0**	**0**			**Hail (0.75)**
	Hail fell along and near Buffalo Creek.								
Sublette County									
2 NW Cora to Cora	**12**	**1755MST** **1810MST**			**0**	**0**			**Hail (1.50)**
	Larger hail fell 2 miles NW of Cora. Hail in Cora was approximately 1 inch in diameter.								
Fremont County									
15 S Lander	**12**	**1940MST**			**0**	**0**			**Hail (0.75)**
	Red Canyon								
Park County									
16 SW Cody	**24**	**2009MST**			**0**	**0**			**Thunderstorm Wind (G51)**
WYOMING, Extreme Southwest									
	NONE REPORTED.								
WYOMING, North Central									
	NONE REPORTED.								
WYOMING, Northeast									
Crook County									
7 SW Sundance	**18**	**1500MST**			**0**	**0**			**Hail (0.75)**
WYOMING, Southeast									
Laramie County									
4 W Cheyenne	**02**	**1430MST** **1435MST**	**0.1**	**10**	**0**	**0**	**0**	**0**	**Tornado (F0)**
	Brief touchdown in open country.								
Laramie County									
Pine Bluffs	**02**	**1905MST** **1908MST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Albany County									
1 S Laramie	**03**	**1320MST** **1322MST**			**0**	**0**	**0**	**0**	**Hail (1.00)**
Albany County									
Laramie	**03**	**1335MST** **1338MST**			**0**	**0**	**0**	**0**	**Funnel Cloud**
Albany County									
15 NE Laramie	**03**	**1351MST** **1354MST**			**0**	**0**	**0**	**0**	**Funnel Cloud**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
WYOMING, Southeast									
Albany County									
7 N Laramie	**03**	**1405MST** **1415MST**			**0**	**0**	**0**	**0**	**Funnel Cloud**
Several funnel clouds reported within 10 minutes.									
Albany County									
1 NW Bosler	**03**	**1440MST** **1441MST**			**0**	**0**	**0**	**0**	**Funnel Cloud**
Two funnel clouds reported.									
Laramie County									
10 NE (Cys)Cheyenne Arpt	**03**	**1457MST** **1459MST**			**0**	**0**	**0**	**0**	**Funnel Cloud**
Funnel clouds visible from WSFO CYS.									
Laramie County									
7 NE (Cys)Cheyenne Arpt to 7 N (Cys)Cheyenne Arpt	**04**	**1655MST** **1745MST**			**0**	**0**	**0**	**0**	**Funnel Cloud**
Several funnel clouds reported by public and spotters.									
Goshen County									
4 W Hawk Spgs	**06**	**1117MST** **1119MST**	**0.1**	**10**	**0**	**0**	**0**	**0**	**Tornado (F0)**
Brief touchdown in open country.									
Carbon County									
6 NE Rawlins to 7 NE Rawlins	**10**	**1446MST** **1453MST**	**1**	**11**	**0**	**0**	**0**	**0**	**Tornado (F0)**
Touched down in open country causing no damage.									
Laramie County									
Cheyenne	**12**	**1427MST** **1428MST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G72)**
Reported at F.E. Warren Air Force Base.									
Laramie County									
Cheyenne	**12**	**1620MST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G55)**
Reported at USAF personnel.									
Laramie County									
33 NE Cheyenne	**13**	**1612MST** **1613MST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G55)**
Reported by USAF personnel.									
Platte County									
5 N Slater	**13**	**1641MST** **1642MST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G65)**
Reported by USAF personnel.									
Laramie County									
Cheyenne	**16**	**1701MST** **1702MST**			**0**	**0**	**0.50K**	**0**	**Thunderstorm Wind (G52)**
Large cottonwood tree blown down at F.E. Warren Air Force Base.									
Laramie County									
Cheyenne	**16**	**1706MST** **1707MST**			**0**	**0**	**0**	**0**	**Hail (0.75)**
Laramie County									
Cheyenne	**16**	**1710MST** **1740MST**			**0**	**0**	**1K**	**0**	**Urban/Sml Stream Fld**
Two to three feet of water flooded intersections in southern Cheyenne.									
Laramie County									
Cheyenne	**16**	**1720MST** **1721MST**			**0**	**0**	**0**	**0**	**Hail (0.75)**

Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
WYOMING, Southeast									
Laramie County									
4 W Carpenter	**16**	**1815MST** **1816MST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G52)**
Converse County									
Glenrock	**19**	**0420MST** **0421MST**			**0**	**0**	**2K**	**0**	**Hail (1.75)**
A few golfball size hailstones accompanied a large amount of pea size stones.									
Laramie County									
10 W Carpenter	**21**	**1606MST** **1607MST**			**0**	**0**	**0**	**0**	**Thunderstorm Wind (G52)**
Tree branches broken.									
Albany County									
7 N Laramie	**25**	**1636MST** **1637MST**			**0**	**0**	**0**	**0**	**Hail (1.00)**
Converse County									
6 N Glenrock	**29**	**1530MST** **1531MST**			**0**	**0**	**2K**	**0**	**Hail (1.75)**
Platte County									
5 SE Glendo	**29**	**1650MST** **1651MST**			**0**	**0**	**10K**	**0**	**Hail (0.88)**
Nickel size hail at Glendo marina.									

STORM DAMAGE CATEGORIES

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

REFERENCE NOTES

0 / Blank	None reported.
*	Miles instead of yards.
**	Yards instead of miles.
@	Includes heavy sleet storm.
#	Freezing drizzle and freezing rain, commonly known as glaze.
=	Report incomplete.
= =	Report not received.
o/c	Indicates Crop Damage amount is included in the value give for property damage.

When reports are not received or are incomplete, the Storm Summary National Death and Injury totals may also be incomplete.

Definition of Fujita Tornado Scale (F Scale)

(F0) Gale tornado (40-72 mph) : Light damage; Some damage to chimneys; break branches off trees; push over shallow-rooted trees; signs and billboards damaged.

(F1) Moderate tornado (73-112 mph): Moderate damage; The lower limit (73 mph) is the beginning of hurricane wind speed; peel surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads.

(F2) Significant tornado (113-157 mph): Considerable damage; Roofs torn from frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light-object missiles generated.

(F3) Severe tornado (158-206 mph): Severe damage; Roofs and some walls torn from well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.

(F4) Devastating tornado (207-260 mph): Devastating damage; Well-constructed houses leveled; structure with weak foundations blown off some distance; cars thrown and large missiles generated.

(F5) Incredible tornado (261-318 mph): Incredible damage; Strong frame houses lifted from foundation and carried considerable distance to disintegrate; automobile-sized missiles fly through the air in excess of 100 meters; trees debarked; incredible phenomena will occur.

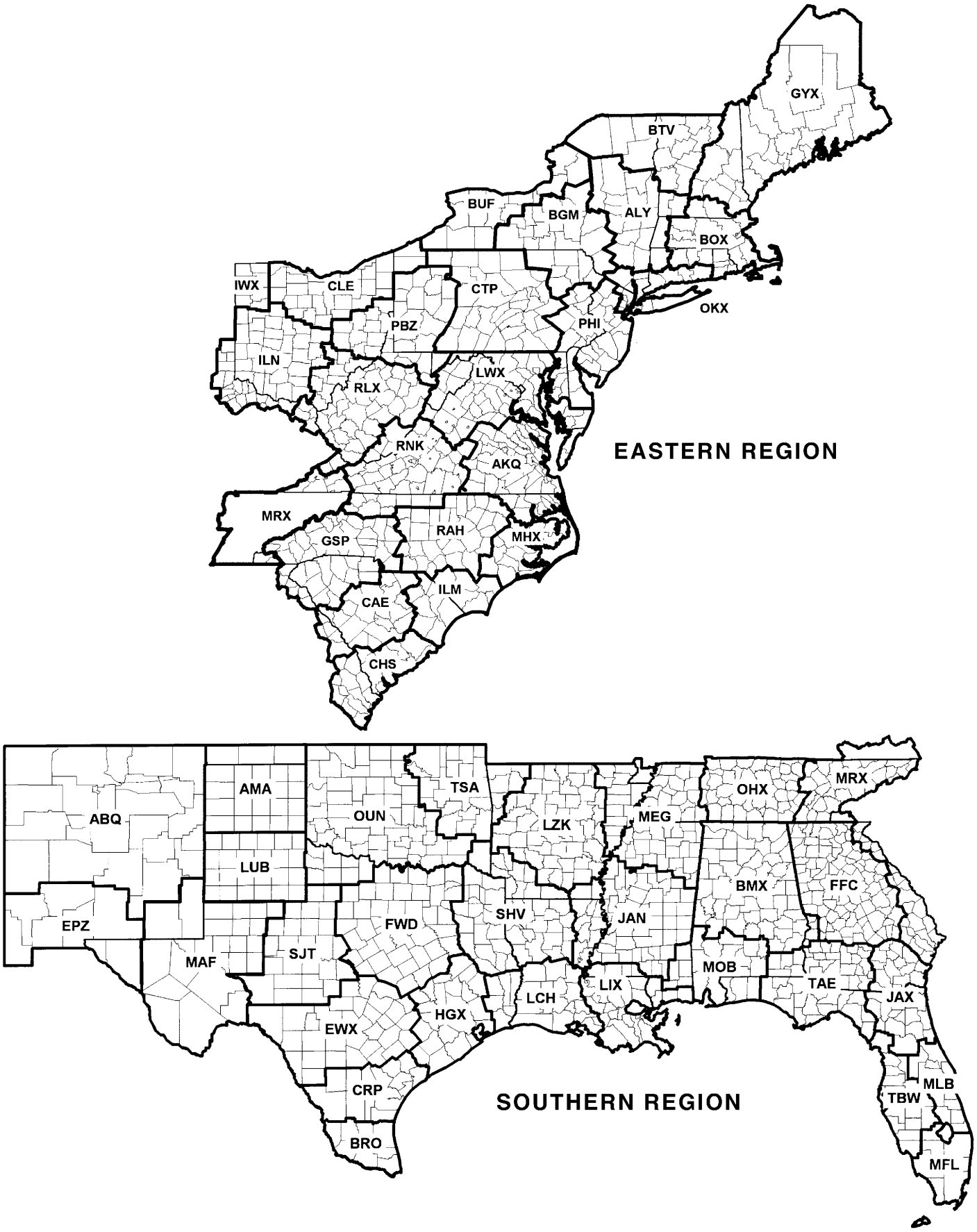
(F6-F12) (319 mph to Mach 1, the speed of sound): The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

(F0+F1) Weak Tornado
(F2+F3) Strong Tornado
(F4+F5) Violent TornadO

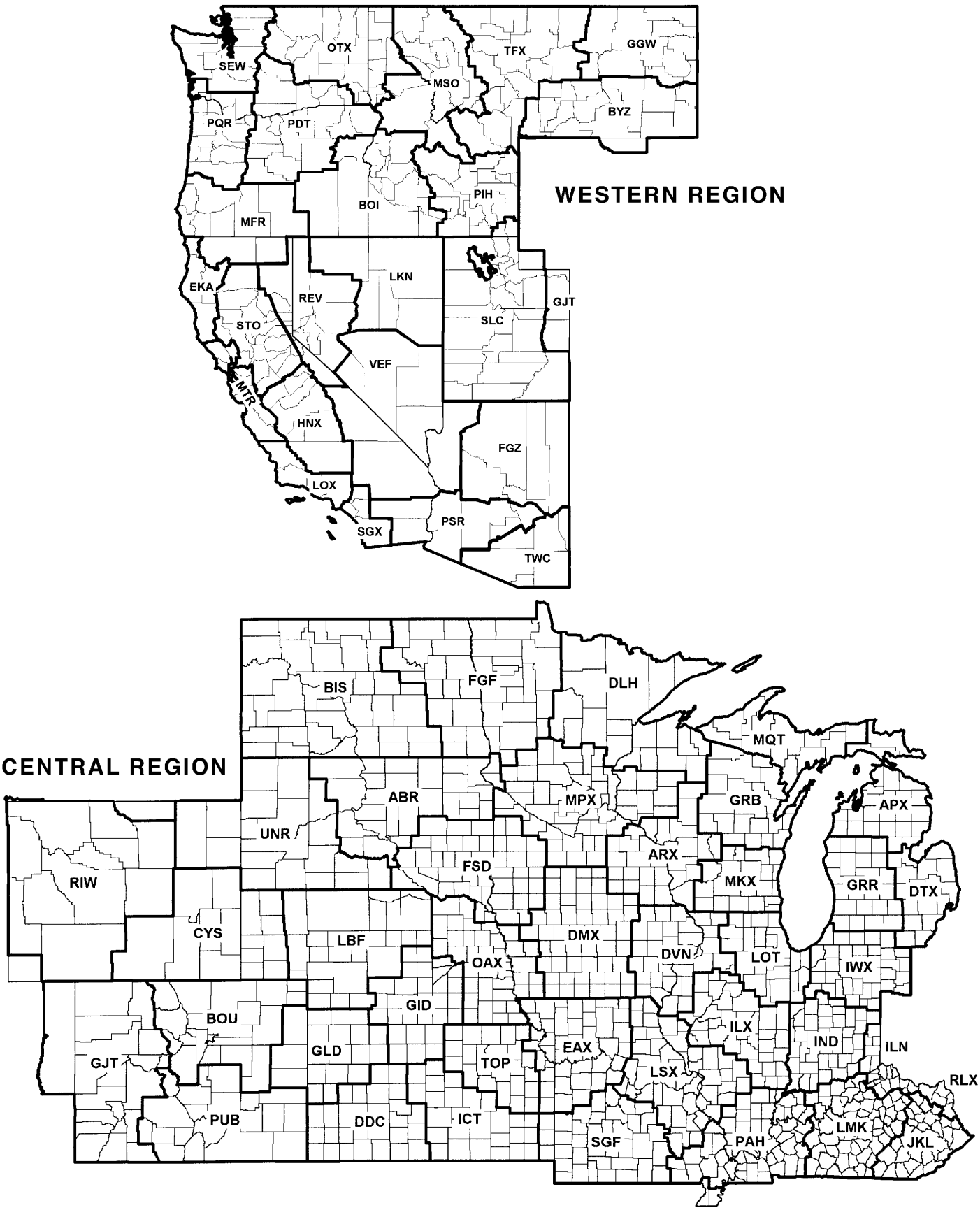


From J. Atmos. Sci., August 1981, p. 1517-1519

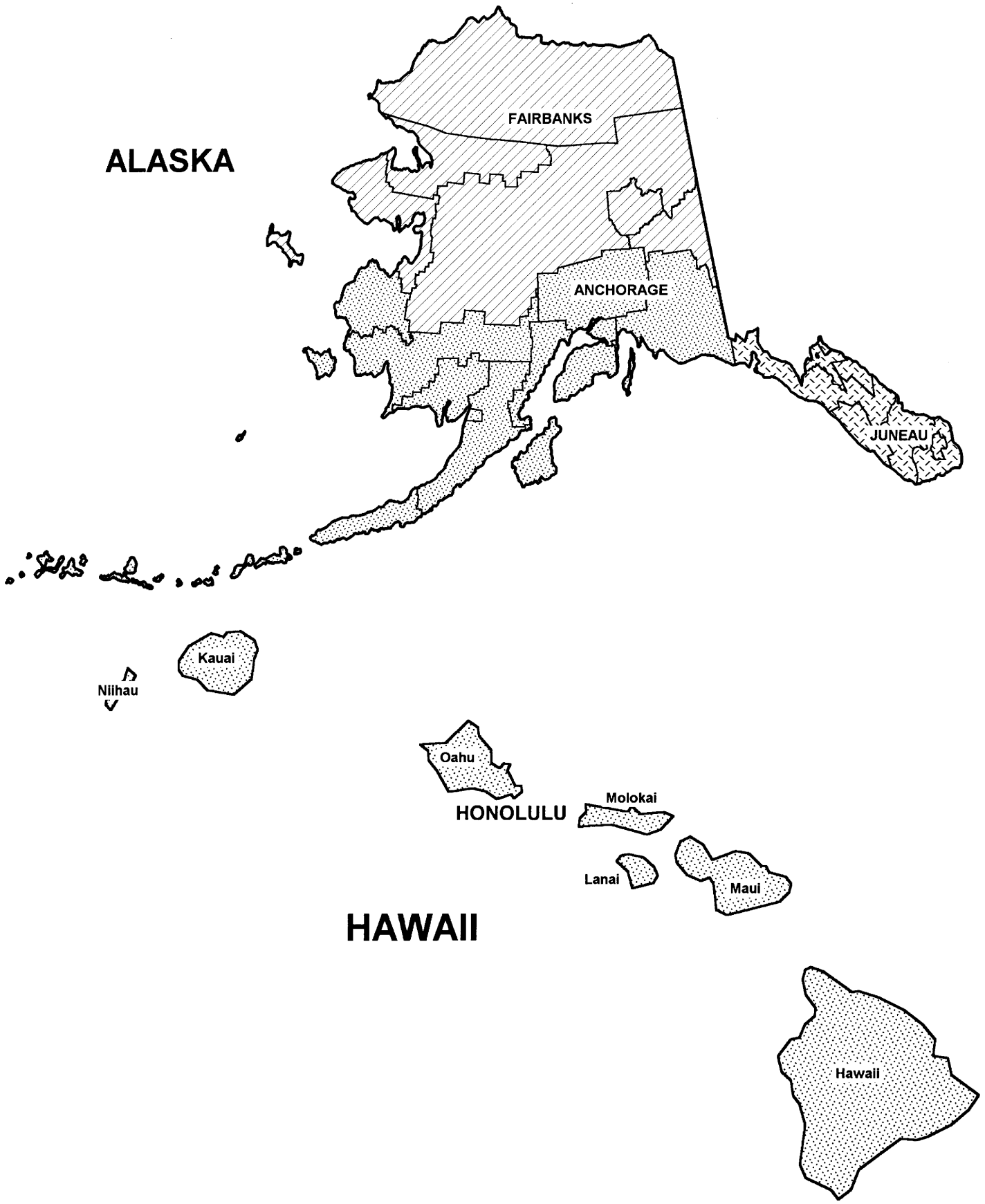
COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS



COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS



MODERNIZED COUNTY WARNING AREAS



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