

AND UNUSUAL WEATHER PHENOMENA WITH LATE REPORTS AND CORRECTIONS



Cover: Hurricane Andrew struck southeast Florida on August 24 with an estimated maximum sustained (1 minute average) surface wind speed of 145 mph, gusts in excess of 175 mph, and a minimum central pressure of 922 millibars (27.23 inches). Andrew crossed Florida and went on to strike south-central Louisiana on August 26. See pages 8 through 34 for additional information. (Photo courtesy: Peter Dodge, Hurricane Research Division, NOAA/AOML, Miami, FL.)

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STORM DATA

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National Climatic Data Center

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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 Forecast Zones which are used in the Storm Data and Unusual Weather Phenomena section will be printed in all editions.

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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:

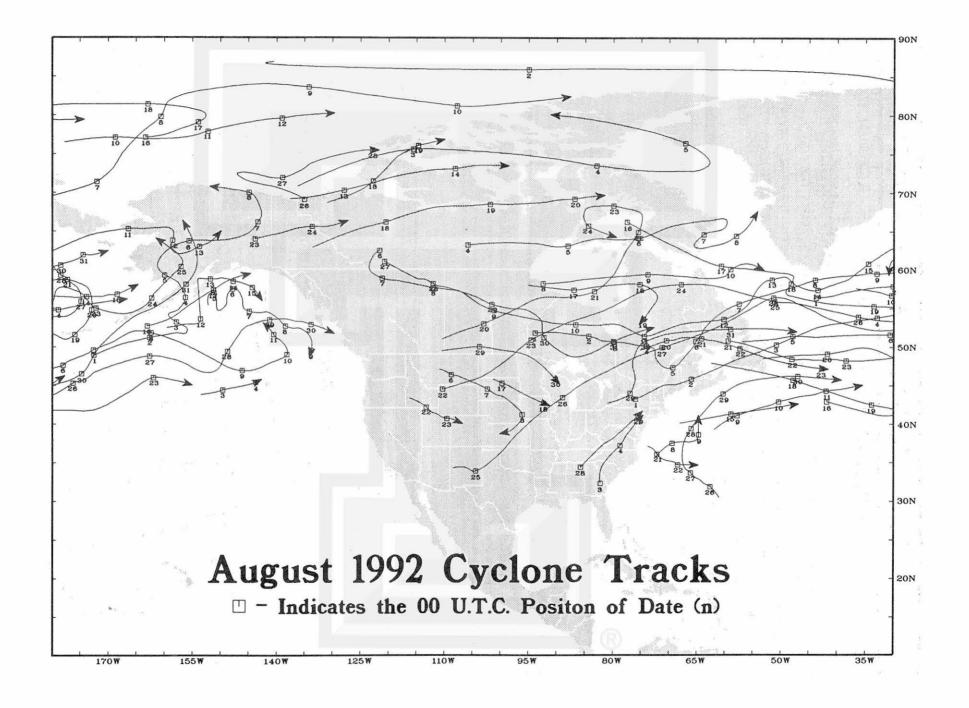
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"I certify that this is an official publication of the National Oceanic and Atmospheric Administration and is compiled from information received at the National Climatic Data Center, Asheville, North Carolina 28801-2733."

Kenned D Haden

Director, National Climatic Data Center



CLIMATIC DATA OF THE MONTH

PRECIPITATION AND TEMPERATURE ANOMALIES - AUGUST 1992

Table 1 lists the 98-year temperature and precipitation rankings for the nine climatically homogeneous regions in the United States outlined below in Figure 1.

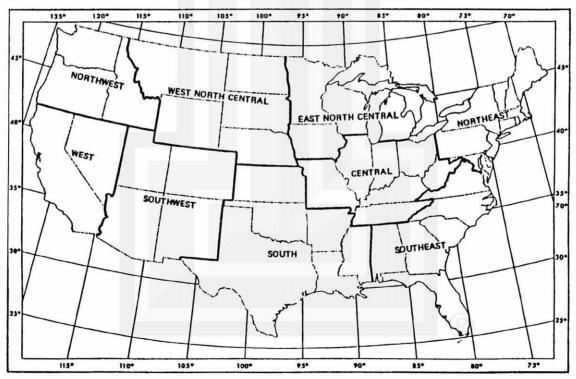
Areally averaged mean monthly temperatures across the nation ranked August 1992 as the second coolest August on record eclipsed only by August 1927. Due to an abnormally strong upper air flow pattern, a series of cool fronts pushed unusually far south for the month of August. This allowed 50% of the country to average much below normal for temperatures. Specifically, it was the second coolest August in 98 years in the East North Central, Central, and Southeast regions, and the coolest August on record in the Southern region. Meanwhile, the West experienced mean monthly temperatures as much as 5°F above normal. Mean monthly temperatures for most stations east of the Continental Divide, with the exceptions of southern Florida, northern Maine, and portions of Texas, were below normal. Departures approached -7°F in the Plains. In Alaska, temperatures were seasonable. The Hawaiian Islands recorded mean monthly temperatures as much as 2°F above normal.

Nationally, August 1992 was the 29th wettest August on record. The Southwest region logged its fourth wettest August in 98 years. Other areas that were unusually wet included parts of North Carolina and Louisiana where over 19 inches of rain fell during the

1 = DRIEST, 98 = WI	ETTEST; 1 = COLDEST,	98 = HOTTEST.
REGION	PRECIPITATION	TEMPERATURE
Northeast	33	21
East North Central	45	2
Central	21	2
Southeast	85	2
West North Central	59	8
South	64	1
Southwest	95	29
Vorthwest	49	71
West	65	87
National	70	2

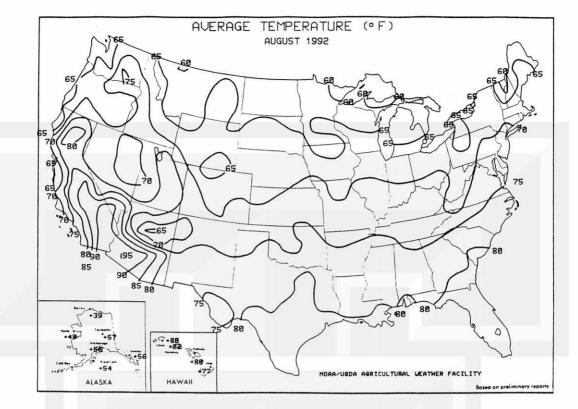
month (partially due to Hurricane Andrew and its remnants). Too little precipitation was a problem in pockets of the East, West, Plains and the state of Texas. The hot and dry conditions of the West were perfect for the inception and continuation of forest fires. With the exceptions of central and northern Alaska, and a few stations in Hawaii, both states experienced above normal August precipitation.

Fig. 1



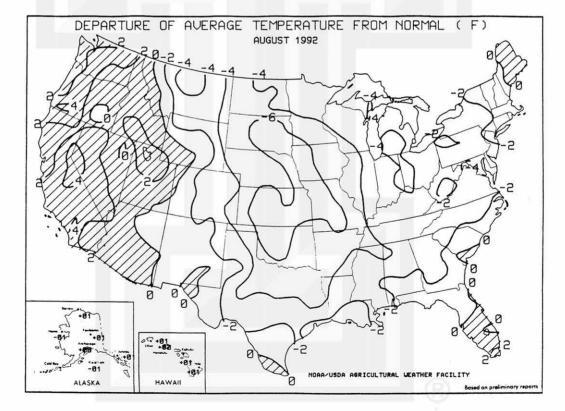
From National Climatic Data Center

Fig. 2



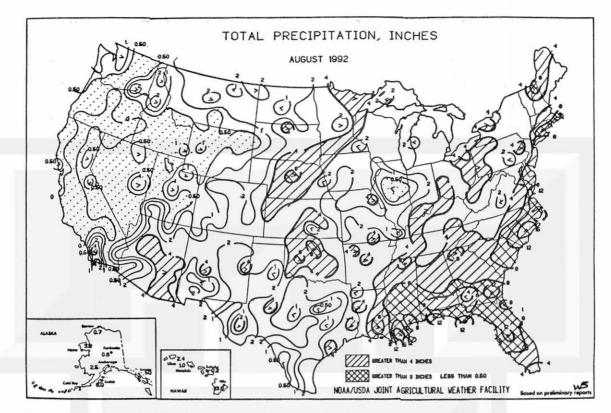
Reprinted from Weekly Weather and Crop Bulletin - September 9, 1992

Fig. 3



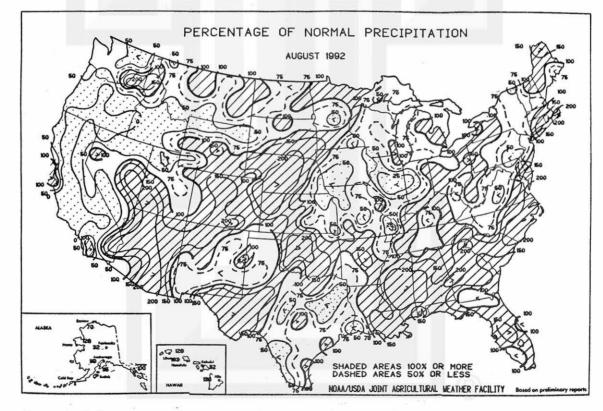
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Fig. 4

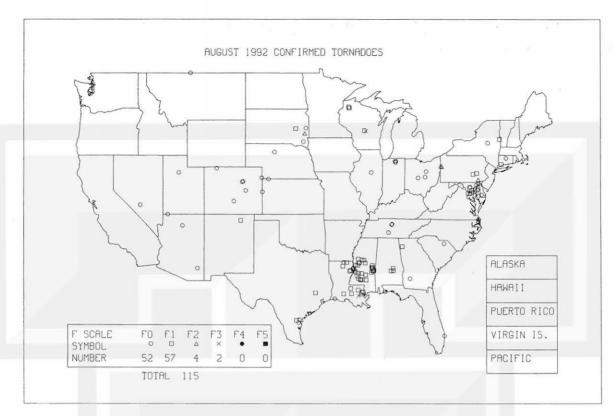


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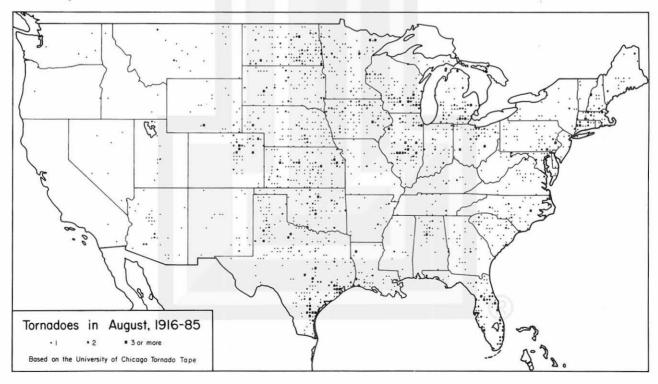
Fig. 5



Reprinted from Weekly Weather and Crop Bulletin - September 9, 1992



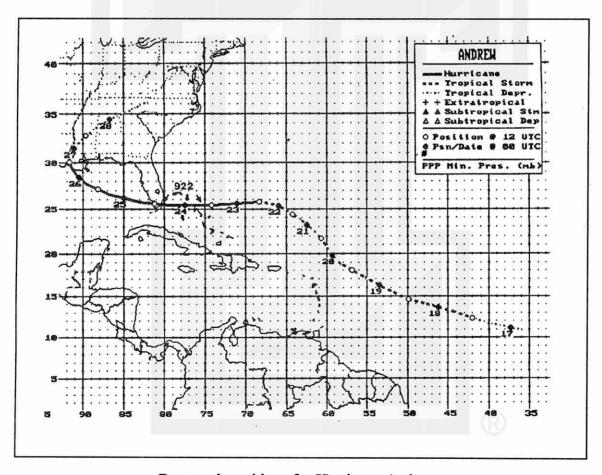
A total of 115 tornadoes were reported in August 1992. Two of the tornadoes reached F3 strength (winds of 158 - 206 mph) while all others were rated F2 or less in intensity. One of the F3 tornadoes struck Wisconsin and the other in Louisiana in connection with Hurricane Andrew. Andrew produced a total of 47 tornadoes (28 F0's, 18 F1's, and 1 F3). Two deaths and 49 injuries were attributed to these 47 tornadoes. Nationally, there were three deaths and 92 injuries.



OUTSTANDING STORMS OF THE MONTH

1. HURRICANE ANDREW STRIKES FLORIDA AND LOUISIANA

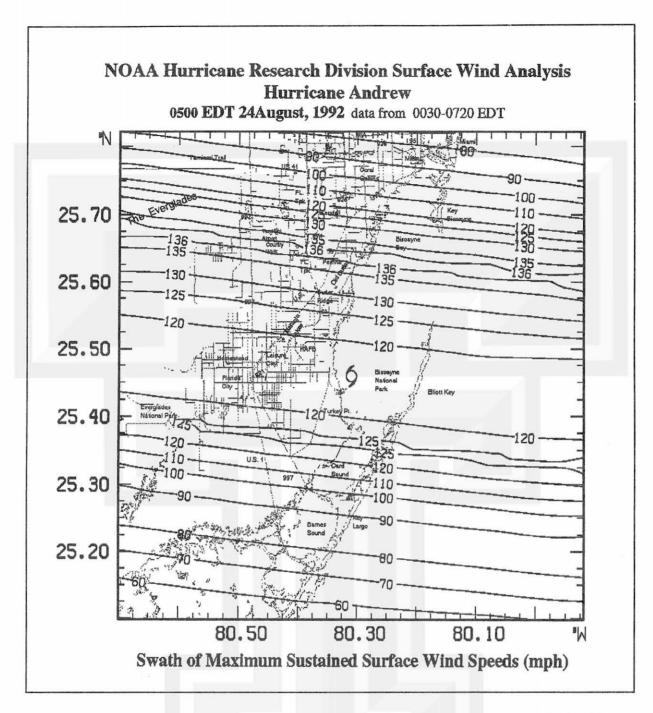
Andrew was a small but destructive hurricane that developed in the Cape Verde Islands and eventually brought devastation to the northern Bahamas, southern Florida, and south-central Louisiana in August 1992. With a minimum central pressure of 922 millibars (the third lowest pressure this century) at the time of landfall, and a maximum sustained (1 minute average) surface wind speed of 145 mph, Andrew was rated as a category 4 hurricane on the Saffir/Simpson Hurricane Scale. Andrew was the first category 4 hurricane to strike the United States since Hugo in 1989. Prior to Hugo, Camille, a category 5 hurricane in August 1969, was the last hurricane rated 4 or higher to strike the United States. Damage resulting from Andrew was extreme and extensive with losses estimated at \$20 - 25 billion, making Andrew the most expensive natural disaster in United States history! Twenty-one people were killed as a result of the storm (15 in FL, 6 in LA). Injuries were numerous and one-quarter million people were left homeless.



Best track positions for Hurricane Andrew.

ANDREW HIGHLIGHTS

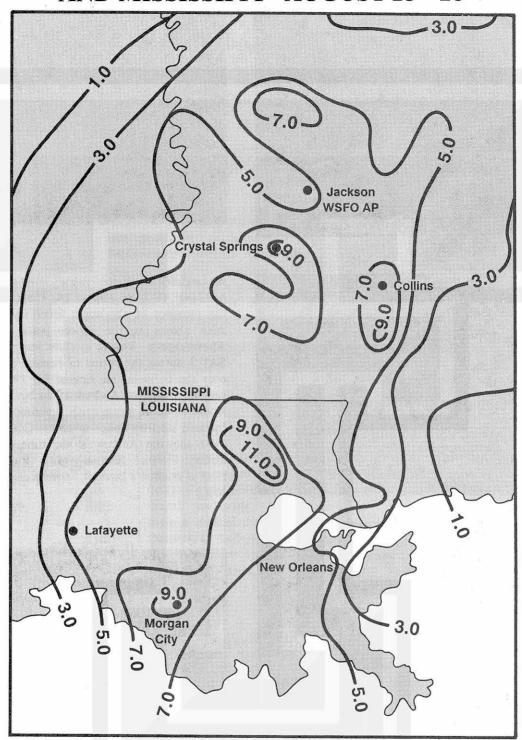
- August 14: A tropical wave crossed the west coast of Africa.
- August 15: The wave, moving westward at 20 knots, passed to the south of the Cape Verde Islands.
- August 16: Convection became more organized. At 1800 UTC, the tropical wave was upgraded to a depression.
- August 17: The depression intensified into Tropical Storm Andrew at 1200 UTC. Andrew continued to move quickly in a west-northwest direction, toward the Lesser Antilles.
- August 18-20: Andrew continued to intensify as winds increased to 45 knots, then weakened due to strong wind shear. The wind shear was caused by a strong upper air system. With the forward speed decreased and directional change, the Lesser Antilles were spared.
- August 21: Strong wind shear ends and the steering currents turn Andrew toward the west. Andrew accelerated to 16 knots and quickly intensified.
- August 22: Andrew reached hurricane status during the morning. An "eye" formed later in the morning as further strengthening occurred.
- August 21-23: Andrew became a category 4 hurricane with the central pressure at 922 millibars on the 23rd. The central pressure fell 92 millibars (mb) between 0000 UTC on the 21st and 1800 UTC on the 23rd. A pressure fall of 72 mb occurred during the last 36 hours of the period.
- August 22-24:A strong high pressure system over the southeast coast of the United States, and a high pressure ridge into the southwestern Atlantic, just north of Andrew, dominated Andrew's course as it moved due west for two and half days.
- August 23: Andrew, a category 4 hurricane, struck northern Eleuthera Island in the Bahamas at 2100 UTC with winds of 130 knots (about 150 mph). The hurricane directly caused three deaths on the North Eleuthera mainland. A huge storm surge at the Current (a settlement near the northern end of Eleuthera Island) reached an astonishing 23 feet! Damage in the Bahamas has been placed at \$0.25 billion. There were no tornadoes.
- August 24: Early in the day, Andrew hit the southern Berry Islands in the Bahamas, and continued moving toward south Florida. Andrew weakened, pressure rose to 941 mb, when it passed over the Great Bahama Bank. It then quickly reintensified over the Straits of Florida before landfall. Andrew struck south Florida approximately 4:30 a.m. EDT with a central pressure of 922 mb, near Homestead Air Force Base. Maximum sustained surface wind speed is estimated at 125 knots (approx. 145 mph) with gusts to at least 150 knots (approx. 175 mph).
 - Andrew continued to move westward over Florida. When Andrew exited Florida four hours later at Marco Island, it had weakened to a category 3 hurricane with a central pressure of about 950 mb.
- August 25: Andrew reintensified (not to the extent before landfall in Florida) over the waters of the Gulf of Mexico. A gradual turn to the west-northwest took place with Andrew heading toward Louisiana.
- August 26: As the steering currents changed, the forward speed of Andrew dropped to 8 knots. Still rated as a category 3 hurricane, Andrew struck a sparsely populated section of south-central Louisiana approximately 1:30 CDT, 20 nautical miles west-southwest of Morgan City.
- August 26-28: Andrew weakened rapidly after landfall to tropical storm status in 10 hours and to tropical depression status 12 hours later. Andrew made a turn first toward the north and then northeastward and an increase in forward speed occurred. By midday of the 28th, the remains of Andrew merged with the frontal system over the mid-Atlantic states.



Interpretation of the Above map: The wind swath represents contours of the highest sustained wind (a sustained wind is actually the average of lulls and gusts that occur over a 1 minute period) that would have been experienced at the map locations during Andrew. These winds represent open terrain exposure over land at the 10-meter level. Open terrain is similar to that of an airport runway. The lines over water are unrepresentative because those locations would have experienced even stronger winds due to less friction. The wind swath map DOES NOT represent a "snapshot" of the wind field at any instant of time. Analysis is based on surface measurements and Air Force reconnaissance winds adjusted to 10 meters with a boundary layer model.

Authors and suppliers of the above map: Mark Powell and Sam Houston, NOAA, Hurricane Research Division, AOML, Miami, Florida.

ANDREW RAINFALL OVER LOUISIANA AND MISSISSIPPI - AUGUST 25 - 28



Above: Map based on Cooperative Observer data supplied to the National Climatic Data Center, Asheville, North Carolina.

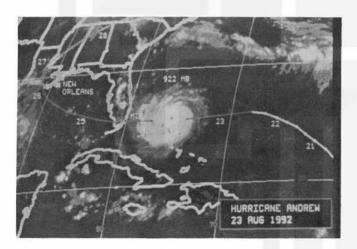
Note: Abbreviations used for the following pages:

NHC = National Hurricane Center; NESDIS = National Environmental Satellite, Data, and Information Service; NOAA DST = National Oceanic and Atmospheric Administration Disaster Survey Team.

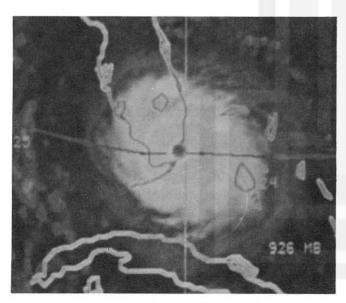
ANDREW'S LIFE CYCLE



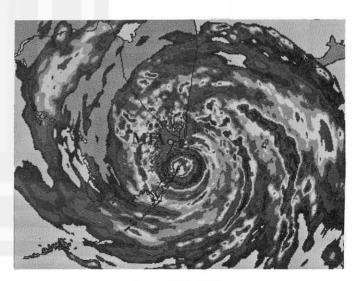




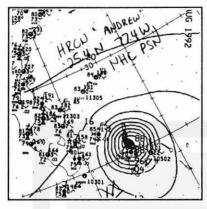
Above(left): Water vapor satellite image taken by METEOSAT 3 on August 19, 1992. The image depicts the presence of the upper level low north of Andrew. Also shown is the superimposed track of Andrew. Above(right): Visible satellite image taken by METEOSAT 3 during the period of Andrew's maximum intensity over the Bahamas on August 23, 1992. Left: Infrared satellite image of Andrew taken by METEOSAT 3 with Andrew's entire storm track superimposed. Bottom(left): Infrared satellite image taken by GOES 7 on August 24, 1992 showing Andrew at the time of landfall in Dade County, Florida. Bottom(right): Radar composite at the time of Andrew's landfall. (Photo courtesy: NESDIS and NHC)



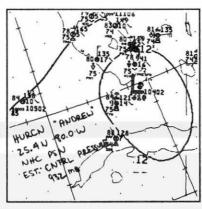
August 24, 1992



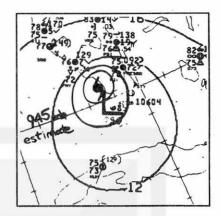
August 24, 1992



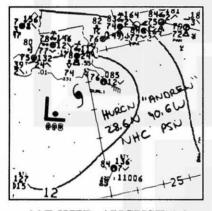
00Z MON AUGUST 24



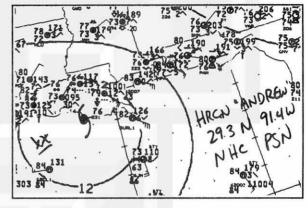
09Z MON AUGUST 24



12Z MON AUGUST 24

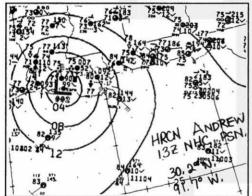


Top(left): Hurricane Andrew east southeast of Miami. Top(center): Andrew one-half hour after landfall. Top(right): Andrew moves into the Gulf. Left and Right: Andrew south of the Louisiana coast.



00Z WED AUGUST 26

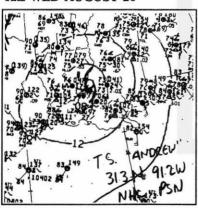
06Z WED AUGUST 26



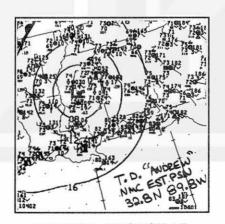
Left: Andrew inland and weakening into a tropical storm, below (left). Below(middle): After continued weakening, Andrew became a tropical depression. The remnants of Andrew after merging with the frontal system over the mid-Atlantic States, below(right).

Maps provided by National Climatic Data Center.

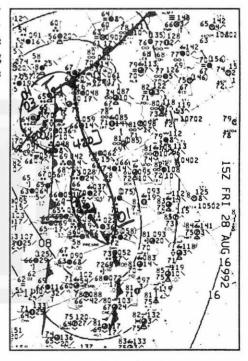




00Z THU AUGUST 27



12Z THU AUGUST 27



15Z FRI AUGUST 28

SURFACE WEATHER REPORTS

PRESFR/PRESRR = PRESSURE FALLING/RISING RAPIDLY, PKWND 1461 20 = PEAKWIND FROM 140° AT 61 KNOTS OCCURRING 20 MINUTES AFTER THE HOUR, TRW+ = HEAVY THUNDERSHOWER, R+ = HEAVY RAIN, RW+ = HEAVY RAIN SHOWER, 941 = 941 MILLIBARS, E0470G100 = ESTIMATED WIND FROM 40° AT 70 KNOTS, GUSTING TO 100 KNOTS

MIAMI, FLORIDA - AUGUST 24, 1992 (Time below is in GMT, subtract 4 hours for EDT)

MIA SA 0755 14 SCT E30 BKN 140 OVC 2RW 004/78/75/E3640G60/954/PRESFR/

MIA SA 0850 10 SCT E30 OVC 2RW 941/78/75/E3655G80/935/PRESFR/

MIA SP 0923 10 SCT E30 OVC 1RW+ E0470G100/953

MIA SA 0950 10 SCT E30 OVC 1/2RW+ 964/78/76/E1075G100/942 PRESRR LOWEST PRES 926 0900

MIA SA 1050 10 SCT E35 OVC 1/8RW+ 034/77/75/E1275G90/632 PRESRR

MIA SP 1117 10 SCT E35 OVC 35 OVC 3R E1470G80/974 PRESSRR

MIA SA 1152 10 SCT E30 SCT 80 OVC 4R- 092/75/72/E1660G70/981 PRESSRR

MIA SA 1250 13 SCT E30 BKN 80 OVC 4R- 106/75/73/E1045G70/984

MIA SA 1350 20 SCT E100 BKN 200 OVC 7RW- 107/76/74/E1225G40/989

BATON ROUGE, LOUISIANA - AUGUST 26, 1992 (Time below is in GMT, subtract 5 hours for CDT)

BTR SA COR 1154 M15 OVC IRF 007/75/73/1939G52/955/PK WND 1952/52/

BTR SA 1251 E15 OVC IR 988/75/74/1238G51/950/PK WND 1153 16

BTR SA 1355 M15 OVC IR+ 973/75/74/1235G51/945/PK WND 1259 25

BTR SP 1446 M12 OVC 1TRW+ 1536G51/944/TB45 N-E MOVG NE

BTR SA 1454 M14 OVC ITRW+ 969/76/75/1440G55/944/TB45 N-E MOVG NE PK WND 1551 21/

BTR SA 1551 MII OVC ITRW+ 976/75/75/1535G51/946/T NW-E MOVG E PK WND 1461 20

BTR SP 1602 M9 OVC 11/2R+ 1635G47/946/TE01 MOVD E

BTR SA COR 1651 M9 OVC 11/2R+ 991/75/74/1536G46/951/TEOI MOVD E R+ OCNLY R PK WND 1753 22

BTR SP 1746 M12 OVC 11/2R 1729G45/955/

Notice the different wind directions between Baton Rouge and Lafayette. Andrew passed between the stations!

LAFAYETTE, LOUISIANA - AUGUST 26, 1992 (Time below is in GMT, subtract 5 hours for CDT)

LFT SA 0850 M15 OVC 4R+ 017/75/73/0330G40/958/CIG RGD PKWND 0346/29/

LFT SA 0950 M20 OVC 5R+ 976/75/73/0240G52/946/PRESFR PKWND 32652/43

LFT SA 1050 M17 OVC 3R+ 932/75/73/0140G56/933/PRESFR PKWND 3656/45

LFT RS 1152 M20 OVC 11/2R+ 908/75/73/3646G60/926/CIG RGD PRESFR PKWND 3662/1057/

LFT SA 1250 E20 OVC 11/2R+ 905/75/73/E3640G54/925/95 WND E3555/25

LFT SA 1350 E20 OVC 11/2R-F 926/75/73/E3440G50/931/PRESRR PK WND E3450/45

LFT SP 1422 E13 OVC 3R-F E3338G48/935/PRESRR

LFT SA 1450 E13 OVC 3R-F 956/74/73/E3340G52/940/ PRESRR/ PK WND 3354/35/

Three letter station identifier/type of report/cloud level (hundreds of feet) and amount of cloudiness/visibility (miles)/present weather/sea level pressure/temperature (°F)/dew point (°F)/wind direction and speed (degrees and knots)/altimeter (inches)/remarks

A. FLORIDA

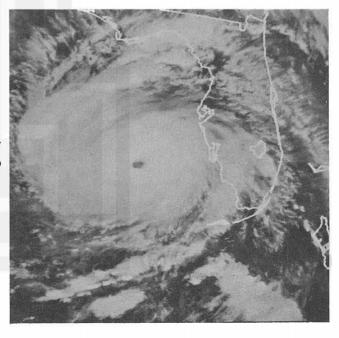
Andrew brought total destruction to parts of southern Florida. In all, property damage was estimated at more than \$25 billion and crop damage at least \$1 billion. Andrew destroyed at least 25,524 homes and damaged 101,241 other homes. Natural reefs of coral and other marine life, were very badly damaged. About 660,000 customers were without electrical power for periods that ranged from a few hours to several months.

A 16.9 foot storm tide (storm surge plus astronomical tide) was recorded near the Burger King World Headquarters, which is a record maximum for the southeast Florida peninsula. The maximum storm tide over the southwest coast was estimated at 5 to 7 feet. Maximum recorded rainfall totals in southeast Florida were in excess of 7 inches. There were no reports of tornadoes.

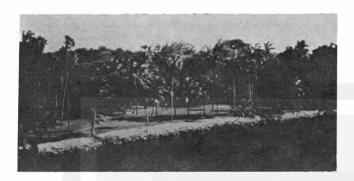


Infrared satellite imagery of Andrew taken by GOES-7 on August 24, 1992 at 0431 EDT. (Photo courtesy: Ralph E. Meiggs)

Visible satellite imagery of Andrew was taken by NOAA-11 on August 24, 1992 at 1640 EDT. (Photo courtesy: Ralph E. Meiggs)



ANDREW'S STORM SURGE IN FLORIDA



Before . . .



Above: An analysis of the maximum storm surge (feet) along the southeast Florida coast. A maximum storm tide of 16.9 feet, was recorded near the Burger King World Headquarters! (Photo courtesy: NHC - Brian Jarvinen) Below: Boat damage at Black Point Marina, Dade County. (Photo courtesy: NHC) Right: Sailboat stranded on a residential street in the Gables-by-the-Sea development of Coral Gables, Florida. (Photo courtesy: Roger Edwards, Kansas City, MO.)





. . . After

Above(left): Sewell Park before Andrew. Above(right): Sewell Park early morning of August 24. Below: The Gables-by-the-Sea marina located near Gables Estates where numerous boats were forced ashore by the 9 to 16 foot storm surge. Also note the downed trees. (Photo courtesy: NHC)





DAMAGE FROM WINDS AND STORM SURGE

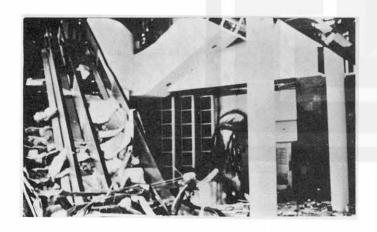








Top(left): Damaged vehicles at the Towers Condominium (Key Biscayne) adjacent to Cape Florida State Park. Note the flooded parking lot. (Photo courtesy: Ralph Clark) Top(right): The Seaward Explorer, an ocean-going tug, was forced ashore just south of the Deering Estate by the combination of wind and storm surge. Above(left): An aerial view of the World Headquarters for Burger King. Note the number of windows blown out by the strong winds. Above(right): Wind damage to the Chief Executive Office located on the top floor of the Burger King World Headquarters. Below(left): Water and wind damage to the main floor of the building. Below(right): Damage to homes in "Saga Bay" resulted from both the winds and storm surge. (Photo courtesy: NHC)





ANDREW'S POWERFUL WINDS INFLICT DAMAGE



Above: Winds still gusting to 50 mph bend the remaining trees at Coconut Grove after the passage of Hurricane Andrew. (Photo courtesy: Steve Wachholder) Above(right): Broken pine trees in the Pinewoods Villa development indicate the different directions of the first and second winds. (Photo courtesy: Roger Edwards)



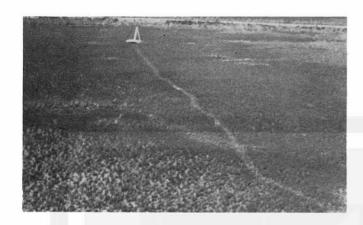




Above: A view of some of the wind damage to NHC's communications equipment atop the IRE Financial Building. The radar dome of the WSR-57 weather radar was blown off the highest structure seen at the center right of the photograph. (Photo courtesy: Roger Edwards) Above(right): The Holiday Inn at Cutler Ridge, north of Homestead, suffered extensive wind damage with nearly every window blown out! (Photo courtesy: NHC) Below(left): Outside wall almost completely removed from the east side of an apartment building in the Saga Bay development, near Cutler Ridge. Below(right): Partial removal of the outside wall from the south (right) and west faces of the building. (Photo courtesy: Roger Edwards)







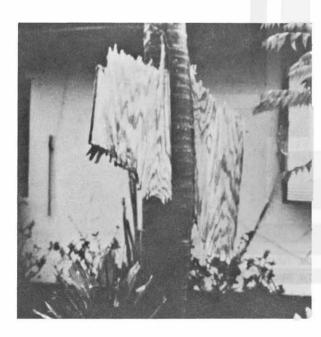




Top(left): Hurricane force winds blew this sailboat well inland. The photograph was taken south of Homestead Air Force Base. Top(right): The wind overturned the two cars in this garage, located west of

Whispering Pines. Above: Two cars lifted and moved by the wind. The cars had been parked next to the IRE Financial Building. Right: A royal palm tree in the Homestead area that was penetrated by a foreign object. The object was a 1 x 4 inch board which penetrated the tree about 40 feet above ground level. (Photo courtesy: Roger Edwards)





Right: An 18-inch wide structural I-beam bent and twisted in the Naranja community. (Photo courtesy: Ralph Clark) Left: Another royal palm tree near Homestead was pierced by a wind driven sheet of plywood. (Photo courtesy: NHC)



EXAMPLES OF WIND DAMAGE TO HOMES





Above(left): This aerial view depicts the uneven damage pattern found in various wood structures in the Lakes By the Bay residential development. Above(right): A close-up view of a home in the development. The gable end of the roof failed during the storm. This was a frequent problem in homes of mixed wood and concrete block construction. (Photo courtesy: NHC)





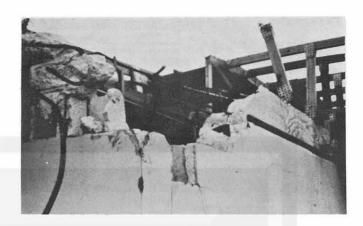
Above(left): Ground view of the devastation in the Pinewoods Villa. In the foreground are broken segments of a large tie beam. Above(right): Another ground level view in the Pinewoods Villa. (Photo courtesy: NHC)



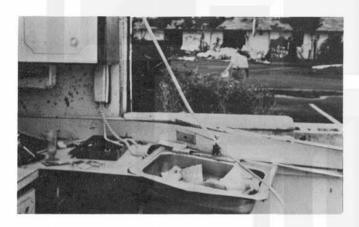


Above(left): Many roof trusses failed during the hurricane force winds. Above(right): These rustic shops were part of Gauley Square, a shopping area located north of Homestead. Both new and old buildings suffered significant damage. (Photo courtesy: NHC)



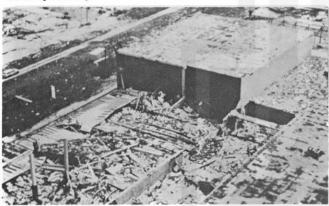


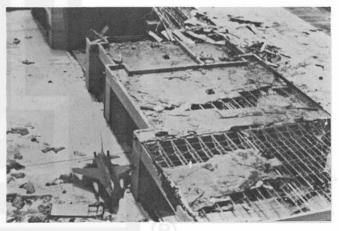
Above(left): Naranja Lakes homes were primarily concrete block and stucco (or CBS) construction. The force of Andrew's wind was strong enough to lift concrete tie beams and propel them into nearby structures. Above(right): This home in Naranja Lakes shows inadequate tie beam construction. Note that there were no vertical ties to the foundation. Many homes in Naranja Lakes lacked any vertical tie columns. (Photo courtesy: NHC)





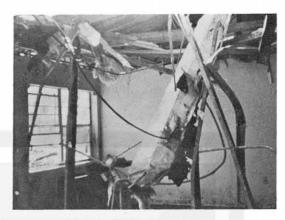
Above(left): The owner of this house, Mary Cowen, was killed during the storm. Amazingly the phone on the wall continued to work after the storm and served the neighborhood during the first few days following Andrew's passage. **Above(right):** People standing in long lines were a frequent sight throughout south Florida and Louisiana. This aerial photograph shows the Publix Supermarket in Homestead. Residents were standing in line awaiting rations of ice. (*Photo courtesy: NHC*)





Above(left): An aerial view of the remnants of a Levitz Furniture Warehouse and Showroom located along U.S. 1, west of the community of Whispering Pines. **Above(right):** Fortunately, most of the planes at Homestead Air Force Base had been flown out before the storm, however this F-16 fighter was under repair at the time and had to be left behind. (*Photo courtesy: NHC*)





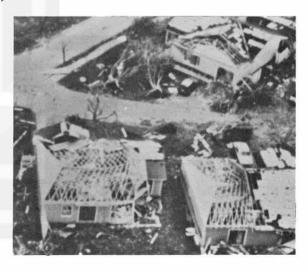
Above(left): This aerial view of a section of Pinewoods Villa, a development located in Whispering Pines, shows an uneven damage pattern. Also note the roof damage to the building located in the center foreground. This damage resulted from a tie beam that was torn from a home 300 feet away and then dropped through the roof of the structure. Above(right): A view of the tie beam from inside the structure. This type of tie beam typically weighs at least 1,000 pounds! (Photo courtesy: NHC)





Above(left): An aerial view of a damage streak through Naranja Lakes, located between Cutler Ridge and Homestead. These damage streaks were evident throughout the hardest hit areas of south Florida. The streak in this photograph extends in to the distance from the center foreground. (Photo courtesy: NHC) Above(right): Extreme wind damage at a mobile home community in Homestead. The Homestead water tower, distant left in the photograph, became the major remaining landmark after the hurricane. (Photo courtesy: Ralph Clark)





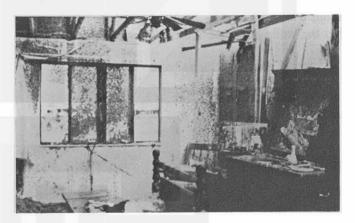
Above(left): Despite the devastation, some residents of Country Walk exhibited a sense of humor. **Above(right):** The roof structure of many homes in Country Walk development failed because of unsupported gables. (Photo courtesy: NHC)





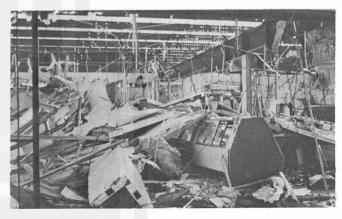
Above(left): An aerial view of the damage to the Dadeland Mobile Home Park. Above(right): A ground view of the same damage. (Photo courtesy: NHC)





Above(left): The frame is all that remains of this mobile home. This demostrates the high risk to residents who must ride out severe wind storms in such a structure. **Above(right):** A damaged home in the Saga Bay development clearly shows the damage inflicted by high wind and heavy rain. Insulation is splattered across the bedroom walls. (*Photo courtesy: NHC*)





Above(left): Front view of the east (windward) face of a strip shopping center on the north side of Quail Roost Drive, near the Florida Turnpike. Winds flowing in through the broken plate glass windows, pushed the walls outward a sufficient distance to allow the pre-cast concrete roof to fall into the store. Above(right): View of the rubble inside a "Food Stop" convenience store, at the same shopping center. (Photo courtesy: Roger Edwards)





Above(left): This aerial view shows a large contrast in damage between neighboring developments. The development in the background sustained heavy damage while those in the foreground only experienced minor damage. Both were constructed of concrete block and stucco, however the integrity of construction was significantly different. Above(right): A closer view of the well built homes. Most of the homes lost shingles, but the walls remained intact. (Photo courtesy: NHC)

A SPECIAL THANKS

TO THE FOLLOWING PEOPLE FOR THEIR CONTRIBUTIONS TO THIS ISSUE OF STORM DATA

T. Theodore Fujita, Professor Emeritus, University of Chicago, Chicago, Illinois;

William H. Haggard, Certified Consulting Meteorologist, Climatological Consulting Corp., Asheville, North Carolina;

Linda Kremkau, Warning and Forecast Branch, National Weather Service Headquarters, Silver Spring, Maryland;

Roger Edwards, National Severe Storms Forecast Center/Severe Local Storms, Kansas City, Missouri;

Ralph Meiggs, National Climatic Data Center, Satellite Data Services Division, Camp Springs, Maryland;

Richard J. Pasch, National Hurricane Center, Miami, Florida;

Ralph Clark, Florida Department of Natural Resources, Division of Beaches and Shores, Tallahassee, Florida;

David Schmidt and A.J. Salem, U.S. Army Corps of Engineers, Jacksonville District,

Peter Dodge and Sam Houston, Atlantic Oceanographic and Meteorological Laboratories, Miami, Florida;

Steve Wacholder, North Miami Beach, Florida;

Mike Burgin, National Climatic Data Center, Climate Application Division, Asheville, North Carolina;

William Brown, National Climatic Data Center, Global Analysis Branch, Asheville, North Carolina;

Debbie Franklin and Jay Ziemianski, National Climatic Data Center, Customer Service Division, Asheville, North Carolina;

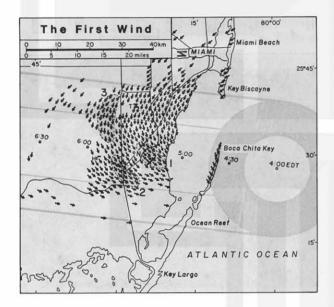
Shawn Harley, Warning Preparedness Meteorologist, and Albert Shipe, National Weather Service Forecast Office, Indianapolis, Indiana;

Jack 'Thunderhead' Corso, Harrison, New York.

Damage Survey of Hurricane Andrew in South Florida by Ted Fujita

The vast areas of south Florida damaged by Hurricane Andrew on 24 August were mapped by Fujita based on his 500 high-resolution aerial photos and 1,500 9" X 9" vertical aerial photos purchased from Continental Aerial Survey, Pan American Survey and Aerial Cartographics of America.

Three scales of wind systems were isolated and studied in detail. They are (1) Overall hurricane, (2) Swath of high wind, and (3) Mini-swirl and microburst. The damage-causing peak winds of (2) and (3) were far stronger than ordinary peak gusts experienced along the path of Andrew.



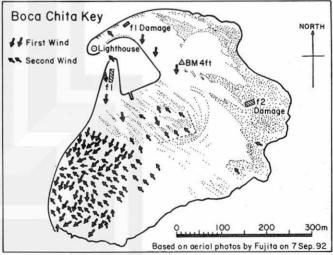


Above: Direction of the first damaging wind occurring during the approach phase of Andrew. Below: Damage by the second wind, during the receding phase.



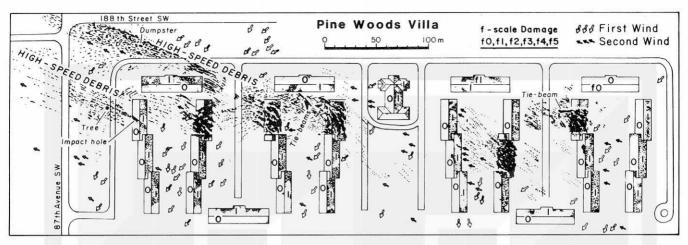
Typical damage of pine trees caused by the first and second winds. Numerous Australian pines were blown down by the first wind. Fujita photo 1040 EDT 9/9/92

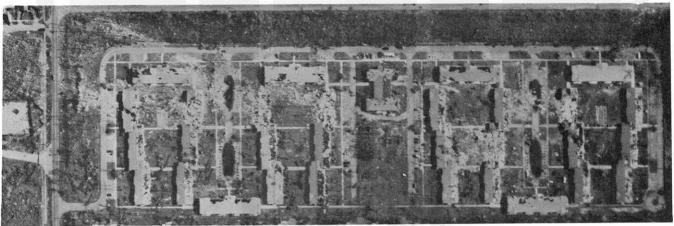




Above: Boca Chita Key, 2 to 3 miles north of the eye center, received the first storm fury. Fujita photo 1742 EDT 9/7/92. Below: Damage map showing the average direction of the first wind from 10° and the second wind from 125°.

Mini-swirl Damage at Pine Woods Villa Southeast of 188 St and 87 Av SW



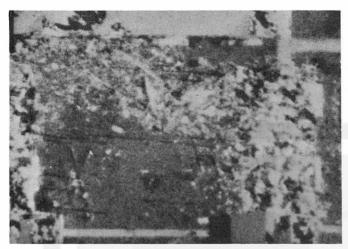


Above: Structural and tree damages at the Villa located inside the Tamiami Swath. Although trees were damaged by both first and second winds, the first wind did not cause structural damage, suggesting that the first wind was weaker than the second wind in the Tamiami Swath. The second wind caused the fl damage to the east-side roofs while west-side roofs were not damaged (f0). Below: An enlarged view of a 9"X9" vertical photo taken by Continental Aerial Survey on 8/27/92.





Left: Aerial photo of a tie-beam (see map) blown off toward the west. Fujita photo 1245 EDT 9/14/92. Right: Ground view of the tie-beam reinforced with one-inch steel rods. Fujita photo 1649 EDT 9/15/92.





Left: Tie-beams at Pine Woods Villa (see map) blown apart by a mini-swirl. Continental Aerial Survey photo taken on 8/27/92. Right: Ground view of the tie-beams. Fujita photo 1109 EDT 9/9/92.





Left: A dumpster found inside the high-speed debris (see map). Some trees in this photo were blown down by both first and second winds. Fujita photo 1234 EDT 9/14/92. Right: Bi-directional tree damage seen near the dumpster site. Fujita photo 1109 EDT 9/9/92.

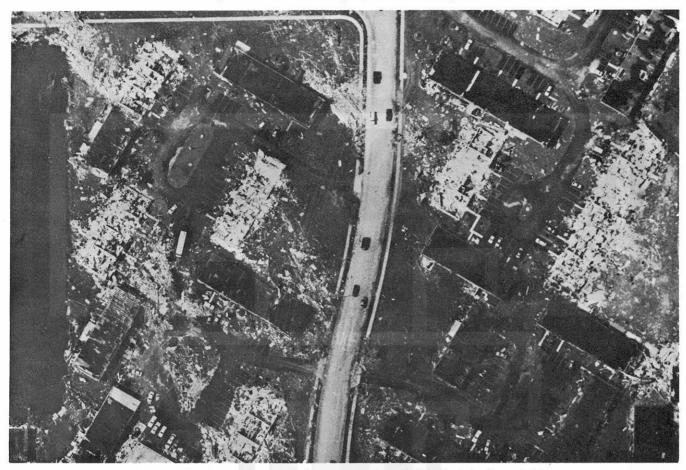






Left: An impact hole (see map) created by a falling tie-beam. Fujita photo 1245 EDT 9/14/92. A piece of flying plywood cut through the trunk of the tall pine tree shown at the lower left of the picture. Center: Drs. Robert Sheets and Peter Black examining the tree trunk. Right: A close-up view of the deep cut. Fujita photos 1057 EDT 9/9/92.

Condos at Naranja Lakes in Wind-parallel and Perpendicular Directions

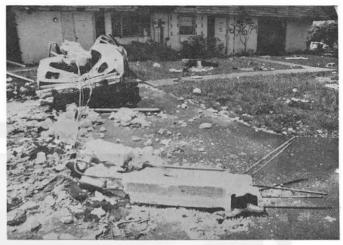


Center of Andrew's eye passed directly over Naranja Lakes, resulting in a 180° shift of the first wind from NNW into the second wind from SSE. Many buildings oriented WSW-ENE (wind-perpendicular) direction received the f3 damage while those in the NNW-SSE (wind-parallel) direction were spared. Enlargement of a Continental Aerial Survey photo taken on 8/26/92.



Left: A Naranja Lakes condo oriented in the wind-perpendicular (broadside) direction. The roof was lifted into a vertical position and dropped upside-down after a 180° rotation. Connected and broken tie-beams weighing one ton per 20 ft are visible on the downwind side. Fujita photo 1253 EDT 9/14/92. Right: Mobile homes at Naranja Lake oriented by luck in the wind-parallel (streamline) direction. Fujita photo 0906 EDT 9/8/92.





Left: An f3 damage of Naranja Lakes condo caused by a mini-swirl that formed inside the second wind. Fujita photo 1253 EDT 9/14/92. Right: Pieces of a connected tie-beam which flew 150 feet (45m) from a Naranja Lakes condo in the second wind. Fujita photo 1246 EDT 9/10/92.





Left: A confusing stop sign at 82 Ave and 163 St SW in Cutler located near the north edge of the Tamiami Swath. Fujita photo 1024 EDT 9/16/92. Right: Triple junction of f-scale damages. An f4 damage at a trailer park (upper left), f2 at the lower-left subdivision, and f0 to f2 at the upper right subdivision. Relatively uniform peak winds (F-scale winds) expected at the junction caused a wide range of f-scale damages between f0 and f4. Fujita photos 0945 EDT 9/8/92. Note that the Fujita Scales, now applied to both tornadoes and hurricanes, refer to the Fujita Wind Speed scale (F scale) and Damage scale (f scale), because an F-scale wind would cause different f-scale damages to different types of structures. See examples.

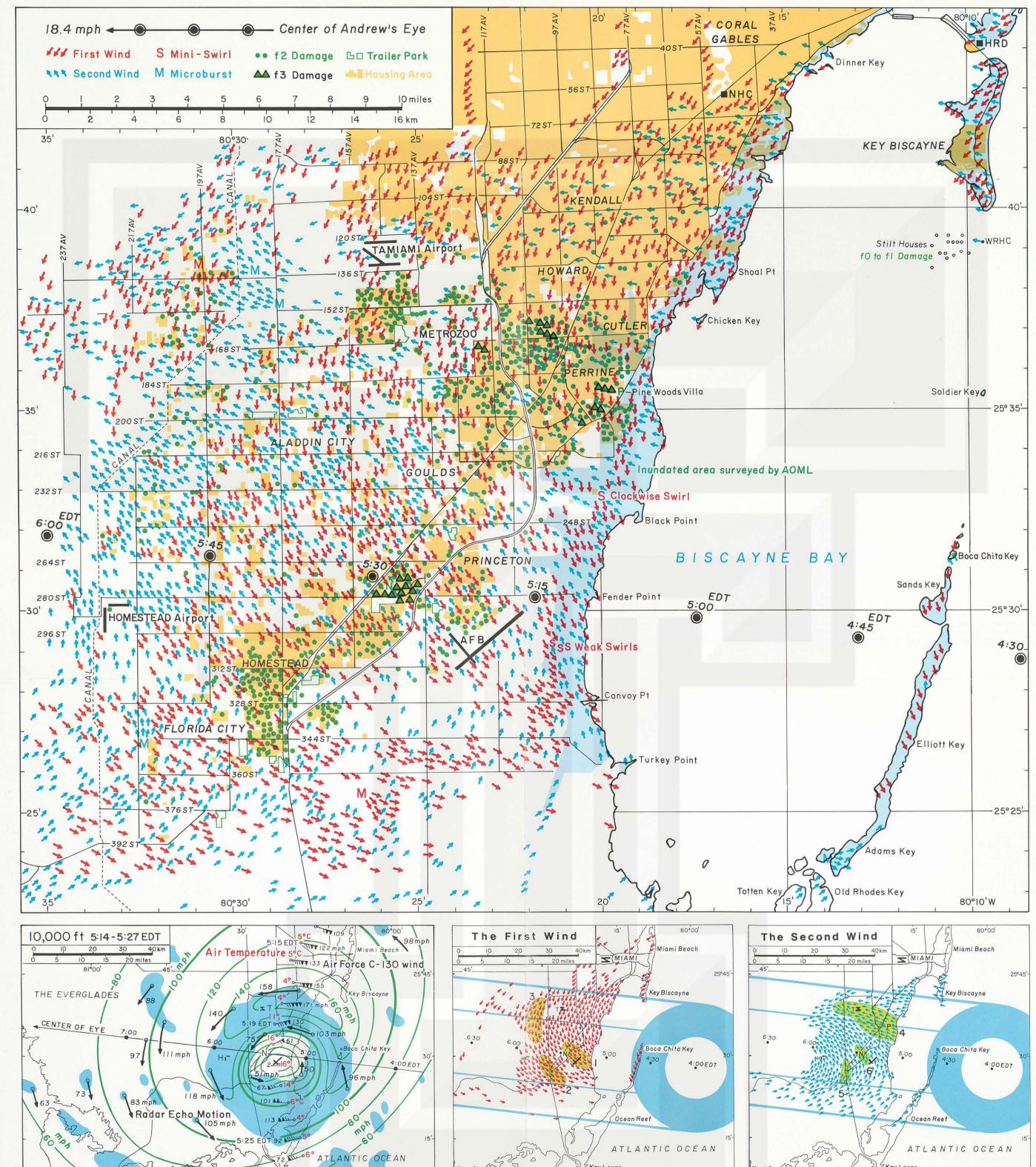
FOLDING COLOR MAP OF HURRICANE ANDREW

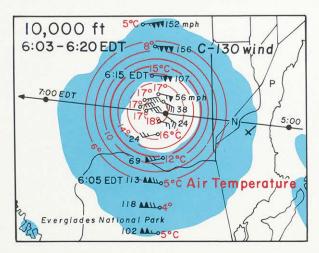
This issue of STORM DATA includes the following four maps printed in multiple colors on a 15" x 21" folding sheet. These maps are:

- 1. Overall Damage Map of Andrew
- 2. Map of the first wind
- 3. Map of the second wind
- 4. Estimated winds at 10,000 ft altitude

The research presented in this contributed paper by T. Theodore Fujita, of the University of Chicago, has been sponsored by NASA under Grant NAG8-886 and ONR under Grant N00014-91-J1136.

Damage Map of Hurricane Andrew on August 24, 1992





The large map in this color poster presents the wind damage caused by the first and the second winds which blew during the approach phase and the receding phase of hurricane Andrew, respectively. In completing this damage map, house to house and tree to tree damages in 2,000 aerial photos were examined.

The overall hurricane wind characterized by a combination of its rotational and translational motions was depicted by the Air Force C-130 which penetrated Andrew's eye at 5:21 EDT and 6:07-14 EDT, when destruction was in progress. The flight data provided by LtCol Carter who supervised the flight was analyzed in the lower-left charts. The aircraft encountered on the north side of the eyewall frequent lightning, occasional downdrafts, moderate to severe turbulence, and soft hail.

The First Wind and the Second Wind were presented separately in the two lower-right maps. It was found that relatively severe damage occurred inside the swaths of high winds, 3 to 7 miles wide and 5 to 15 miles long. Six swaths identified are: 1 First Naranja Lakes Swath, 2 Homestead Swath, 3 Everglades Swath in the first wind, and 4 Tamiami Swath (worst of all), 5 Florida City Swath, and 6 Second Naranja Lakes Swath in the second wind. The strongest damaging winds were induced by the mini-swirls and microbursts with their dimensions, less than 500 m across. They were the inducers of 175 to 200 mph peak winds in Andrew. A large number of mini-swirls and microbursts were found inside the high-wind swaths listed above. Refer to the damage pictures in Storm Data.

This folding poster is a part of the contributed paper by T. Theodore Fujita, Damage Survey of Hurricane Andrew in South Florida. NOAA Storm Data, August 1992, Vol. 34, No.8 pp 25-29.

Acknowledgments: The author wishes to express his appreciation to Dr. Robert Sheets of NHC for escorting him on September 9 into restricted and unsafe damage areas and to LtCol Robert Carter of Keesler AFB for providing him with the historic flight data. Gratitude is also due to Messrs. James Partacz and Ji Chung for their assistance in photography and cartography. This research at the University of Chicago has been sponsored by NASA under Grant NAG8-886 and ONR under Grant N00014-91-J1136.

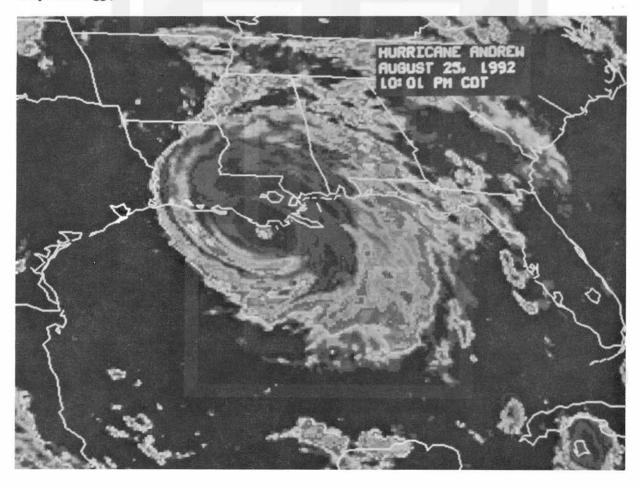
Conversions for International Users: 4:00EDT(8:00GMT), 5:00(9:00), 6:00(10:00), 7:00(11:00); 10,000ft(3,048m); 1 mile(1.6km), 5(8.0), 15(24.1); 100mph(45m/s), 150(67), 175(78), 200(89).

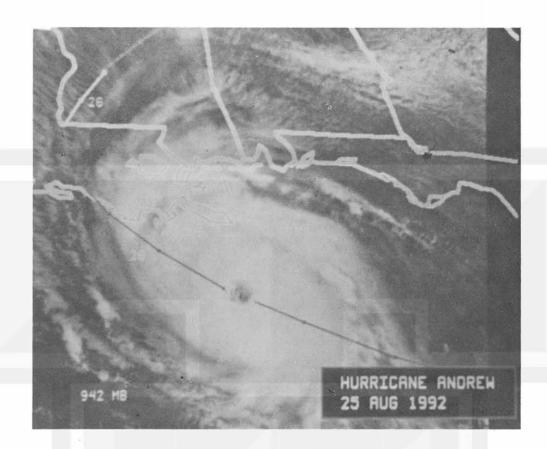
B. LOUISIANA

The center of Hurricane Andrew struck Louisiana 24 miles west-southwest of Morgan City at 0230 CST on August 26. Andrew was a weakening category 3 hurricane with estimated maximum sustained winds of 126 mph. Andrew weakened quickly as it moved inland. At 1200 CST, Andrew was downgraded to tropical storm status near Angola with sustained winds estimated at 60 mph. Due to a large scale evacuation of approximately 1.3 million people, deaths directly attributed to Hurricane Andrew were few. Six fishermen were killed in the Gulf of Mexico. Andrew produced 14 tornadoes. One on August 25 was F3 in strength and killed two people in the town of Reserve. Even in its weakened stage, Andrew still caused \$1.76 billion in damage.

Damage in Louisiana was extensive. A survey conducted by the American Red Cross showed 23,000 homes were damaged. Andrew caused an estimated \$1 billion damage to private property, \$289 million to agricultural interest with sugar and soybeans being hardest hit, \$266 million to the fishing industry. About 240 oil and gas platforms received a total of \$200 million in damage. The storm tide of at least 8 feet caused flooding from Lake Borgne westward through Vermillion Bay.

Infrared satellite imagery of Andrew taken by GOES-7 on August 25, 1992 at 2201 CDT. (Photo courtesy: Ralph E. Meiggs)





Above: A METEOSAT 3 satellite view of Hurricane Andrew. Andrew's track across the Gulf of Mexico and into Louisiana is superimposed over the satellite image. (Photo courtesy: NESDIS) Below: Radar composite view of Hurricane Andrew making landfall along the south-central Louisiana coast. (Photo courtesy: NHC)



ANDREW SPAWNS TORNADOES ON AUGUST 25





In southern Louisiana and Mississippi, tornadoes contributed to the damage of the hurricane. Fourteen tornadoes occurred in Louisiana and 27 in Mississippi. The only deaths from the tornadoes occurred in Louisiana, in the community of Reserve (30 miles west of New Orleans). The F3 tornado, first first touched down in La Place and moved into Reserve. It moved through an area of Reserve where individual mobile homes were located on residential lots. The track of the tornado was about 9 miles in length and a quarter of a mile in diameter. Pictured, above(left), is damage to one of the mobile homes near the beginning of the most destructive portion of the tornado path. Above(right): One Reserve resident fell victim to the tornado when a portion of his home collapsed. (Photo courtesy: NOAA DST)





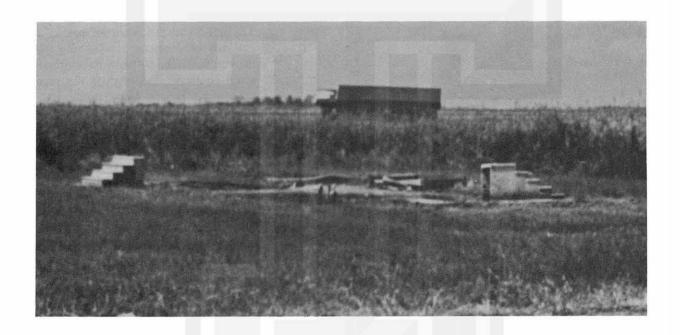
Above: Additional view of the damage in La Place. A total of 122 homes, 32 mobile homes, and 25 business were damaged or destroyed. Left: These Ironwood trees were literally snapped off and splintered by the force of the tornado. (Photo courtesy: NOAA DST)

TIDAL STORM SURGE DAMAGE





Left: The Louisiana Universities Marine Consortium (LUMCON) experienced a tidal surge of 5 to 7 feet. Note the silt and mud deposited by the storm surge. Right: The debris along Parish Highway 57, between the Cocodrie Petroleum Depot and LUMCON, was also left by the storm surge. Part of the debris had been originally strewn across the road surface before being cleared by highway crews. (Photo courtesy: NOAA DST)

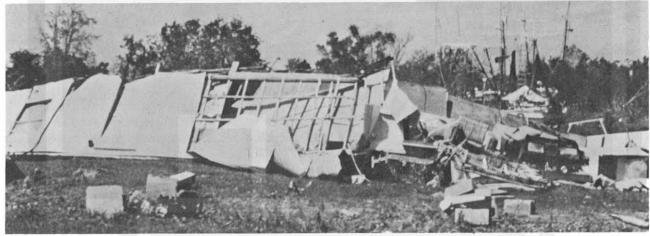


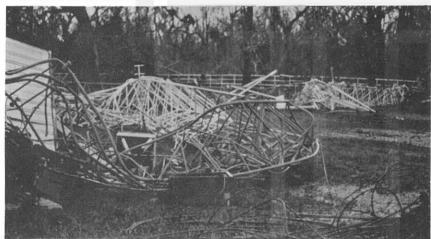


Above: This photograph was taken several miles north of the Cocodrie Petroleum Depot. Notice the steps that once provided access to the house. The combined effects of the storm surge and wind pushed the structure from its foundations and deposited it in the marsh. The roof in the center background is the only portion of the house that is still visible. Left: Another view of the damage caused by the likely combination of wind and storm surge. (Photo courtesy: NOAA DST)









Top(left): This grocery store located on the outskirts of Jenerette typifies the type of damage sustained by many structures across south Louisiana. Top(right): The remnants of a small church along Route 182 near Franklin, Louisiana. Above: Mobile home located along one of the many inlets and channels south of Dulac that did not fare well in Andrew's fury. Left: Remnants of a twisted and tangled radio tower, north of Garden City along U.S. Highway 90. Bottom(left and right): Numerous large trees were uprooted and fallen on houses along Parish Road 329, north of Avery. Fortunately, the residents were not at home when the trees fell. (Photo courtesy: NOAA DST)



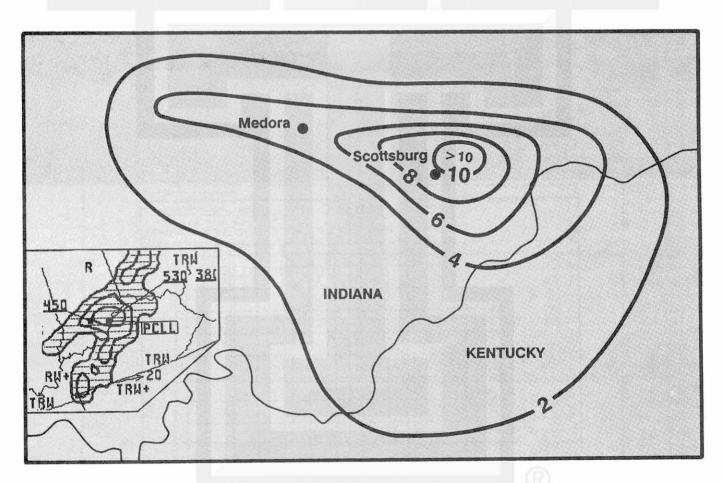


2. HEAVY RAINS IN INDIANA - AUGUST 8

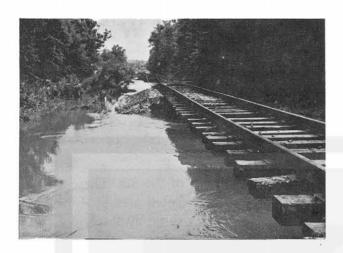
Heavy rains and flooding struck southern Indiana on August 8. Approximately 300 homes suffered moderate to major damage. Sixty-five miles of Conrail railroad tracks were washed out along with numerous state and county roads and bridges. Portions of Interstate 65 were covered by as much as four feet of water. People had to be rescued from roof tops in Henryville, Indiana.

Thunderstorms formed in a very moist atmosphere during the early morning of the 8th. These storms remained nearly stationary until mid-morning and slowly moved out of the affected area by 1:00 P.M. EST. Rainfall amounts of 3 to 13 inches fell in a six hour period. The area covered by the heavy rains include Lawrence, Jackson, Jennings, Jefferson, Washington, Clark, and Scott counties.

The expected 100-year rainfall for a six-hour period in southcentral and southeast Indiana is approximately 5.3 inches. Most of the affected area received twice that amount in the same period. This heavy rain event is the second greatest known event for a six-hour, 200 square mile area in the summer season for the states of Ohio, Michigan, Illinois, Kentucky, and Indiana. Flooding in Scott and northern Clark counties exceeded the 500-year flood level.



Above: Analysis of storm rainfall totals (inches) for August 8 - 9, 1992 based on NWS Cooperative Observer data supplied to National Climatic Data Center, Asheville, North Carolina. Time of the above radar insert valid for 1235 UTC on August 8, 1992.

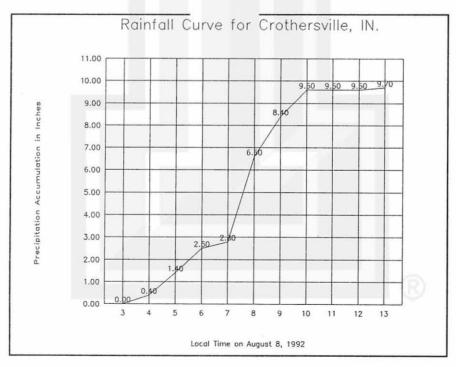




Above(left): Conrail lines washed out by the flood in Scottsburg. Above(right): A view of flooding on U.S. 31 in Austin, Indiana. Floodwaters almost engulf the vehicles near Austin Middle School, below(left). Below(right): A flooded home in Austin during the heavy rain. (Photo courtesy: The Staff of Scott County Journal, the Chronicle, and the Giveway; Scottsburg, IN.)







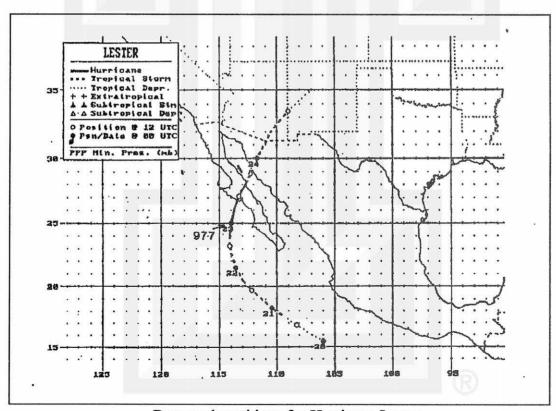
3. HURRICANE LESTER - AUGUST 20 - 24

Early on August 7, a weak tropical wave crossed the west coast of Africa and moved westward through the tropical Atlantic Ocean and the eastern Caribbean Sea. The wave split into two parts over the central Caribbean. As the northern portion dissipated over Cuba, the southern portion of the wave crossed Central America. The southern portion of wave entered the Pacific on August 16 and was showing signs of organization on August 19.

The tropical wave was upgraded to Tropical Depression Fourteen-E at 0000 UTC on the 20th while positioned about 240 nautical miles south-southwest of Manzanillo, Mexico. Tropical Depression Fourteen-E moved northwest at 13 knots and strengthened into Tropical Storm Lester 18 hours later. Lester then moved directly over Socorro Island near 0400 UTC on August 21.

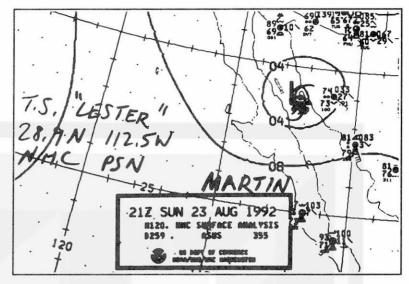
Early on August 22, a trough of low pressure was moving toward the west coast of California and in response Lester turned and began to move northward. Lester continued to slowly strengthen and reached hurricane status 210 nautical miles west of La Paz, Mexico at 1800 UTC on August 22. The hurricane reached maximum intensity on the 23rd. Lester's maximum wind speed was estimated at 75 knots with minimum central pressure of 977 millibars. The trough then became quasi-stationary and Lester gradually turned toward the northeast. (See map below.) Lester first made landfall near Punta Abreojos, Baja California as a hurricane at 1000 UTC on the 23rd. After crossing the Gulf of California, Lester then made a second landfall near Isla Tiburon, Mexico at 2000 UTC on the 23rd as a tropical storm. According to satellite imagery and surface observations, Lester probably was a minimal tropical storm as far inland as Tucson, Arizona, but dissipated quickly in central New Mexico.

Lester left 5,000 people homeless, several communities in ruin west of Hermosillo, Mexico, and flooding in portions of Arizona and New Mexico. There were no reported deaths due to Lester.



Best track positions for Hurricane Lester.



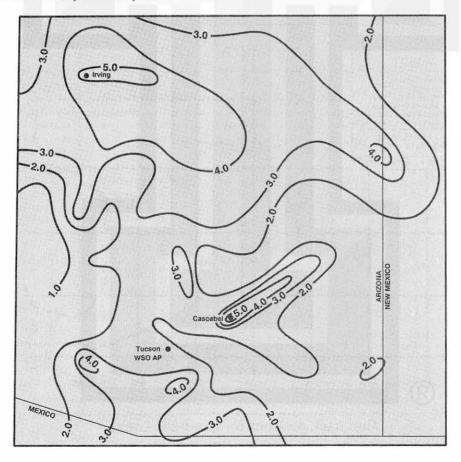


09Z SUN AUGUST 23

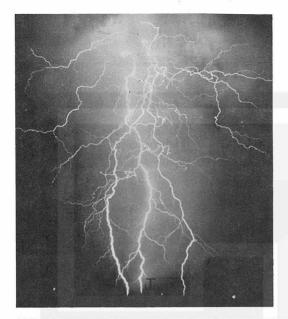
21Z SUN AUGUST 23

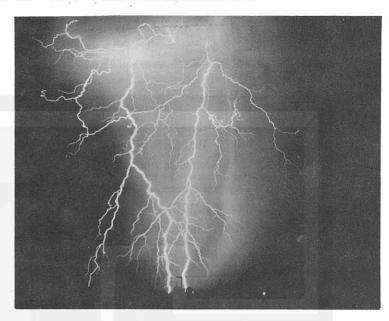
Above(left): Surface analysis of Hurricane Lester one hour before landfall near Punta Abreojos, Mexico. Above(right): Surface analysis of Tropical Storm Lester one hour after the second landfall, near Isla Tiburon, Mexico. (Maps provided by National Climatic Data Center.)

Below: Analysis of storm rainfall totals for August 22 - 24, 1992 based on NWS Cooperative Observer data supplied to National Climatic Data Center, Asheville, North Carolina.



4. LIGHTNING DISPLAYS OVER ARIZONA







Above(both) and Left: Cloud-to-ground lightning flash over San Simon, Arizona. Bottom(left): An orographic thunderstorm over the Catalina Mountains north of Tucson, Arizona. Bottom(right): An intense, single cloud-to-ground lightning flash over the Peloncillo Mountains, Arizona. Note the illumination of the rain shield behind each of the lightning displays. All photographs were taken on August 10, 1992. (Photo courtesy and ©: Jack 'Thunderhead' Corso, Harrison, New York.)





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		iber of sons Injured	Da	mated mage ty Crops	August 1992 Character of Storm
AT ADARK					ā				
ALABAMA									
Calhoun County Piedmont Anniston	06 06	1900CST 1910CST			0	0	5 5	?	Thunderstorm Winds Flash Flood
	of ho	nderstorm win omes were da ral homes and	maged by	wind and	is trees falling	and poy trees.	wer lin Urban	es in the flooding	Piedmont area. Also a number g occurred in Anniston affecting
Clay County	06	2230CST			1	0	5	0	Flash Flood
	of th	nderstorm rain e roads was o rove his car i	cut out lea	ving a gar	12 fee	t deep a	and 24	feet acr	n four areas of the county. One oss. One man was killed when
Mobile County 15 SW Mobile	09	1518CST			0	0	0	0	Thunderstorm Winds
	Thur	nderstorm win	nds downe	d trees an	d powe	r lines	along (County 1	Road 90 west of Saint Elmo.
30 S Mobile 30 S Mobile	09 09	1607CST 1607CST			0	0	0?	0 ?	Thunderstorm Winds (G56) Hail (1.00)
	Thur	nderstorm wi uced hail up	nds gusted to the size	to 56 kn of quarte	ots at t	he Dau	phin Is	sland Se	a Lab. The thunderstorm also
Monroe County Peterman	09	1857CST			0	0	?	?	Thunderstorm Winds
	Thun Peter		nd gusts,	estimated	at 60	mph,	downe	d nume	rous trees and power lines in
Lamar County	10	0158CST			0	0	4	?	Thunderstorm Winds
	Sever	ral trees and planage due	power line to wind ar	s were do	wned by trees.	thunde	erstorm	winds.	Also some structures sustained
Pickens County	10	0535CST			0	0	3	3	Thunderstorm Winds
Company Compan	Thun lines.	derstorm win	nds tore ar	awning f	rom a f	arm ho	use, da	amaged	a grain bin, and downed power
Lamar County	10	0630CST			0	0	5	0	Thunderstorm Winds
	Counthe V	tless trees an ernon vicini	d power li ty sustaine	nes were	blown d mage di	lown by ie to th	thund e wind	lerstorm s and fa	winds. Numerous structures in lling trees.
Colbert County Leighton	10	1345CST			0	0	?	?	Hail (1.00)
	A thu	ınderstorm d	ropped 1.0	00-inch-di	ameter l	hail in l	Leighte	on.	
Baldwin County Elsanor	10	1515CST			0	0	?	?	Hail (1.75)
		vere thunders	torm prod	uced mark	ole- to s				31 B
Dallas County			orm proc	area marc	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ori our		2	iomioi.
Selma Selma	10 10	1530CST 1530CST			0	0	3	?	Thunderstorm Winds Lightning
	Thun dama	derstorm wir ged telephon	ds downe e and elec	d a tree th trical serv	at caus	ed mine	or dam	age to a of fire a	business in Selma. Lightning at a residence.
Chambers County Lafayette	10	1720CST			0	0	0	0	Thunderstorm Winds
4.5000 F . 125-3; 5.2;			ere blown	down by	thunde	rstorm		-	afayette vicinity.
Jefferson County									and the fremity.

Number of Persons Killed Injured

Estimated Damage Property Crops

4??

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Character of Storm

Thunderstorm Winds Thunderstorm Winds

Thunderstorm Winds

Thunderstorm Winds

Thunderstorm Winds

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Thunderstorm Winds

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Thunderstorm Winds

Thunderstorm Winds Thunderstorm Winds

Thunderstorm Winds

Thunderstorm Winds

Thunderstorm Winds

Thunderstorm Winds

Flash Flood

Flash Flood

August 1992

Path Width (Yards)

Time Local/ Standard

Date

27 27

27 27

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27 27

0710CST

0710CST 0750CST

0750CST

0800CST

0815CST

0915CST

0916CST 0952CST

1000CST

1010CST

1030CST

1045CST

1050CST 1145CST 1145CST

1145CST

1200CST

1239CST 1240CST

Marengo County Green County

5 W Aliceville

Choctaw County Sumter County

Hale County 4 W Sawyerville

Lamar County Montgomery County

Tuscaloosa County

Countywide Windham Springs

Livingston

Pine Level

Tuscaloosa

Centreville **Tuscaloosa County**

Tuscaloosa

Hueytown

Shelby County

Jefferson County

Lowndes County Morgan County

Walker County

Jasper Franklin County

Lawrence County

Red Bay

Jefferson County Hueytown Bibb County

Pickens County

Location

Path Length (Miles)

	Hea	vy thunderstorm rain	resulted in flash f	looding	g in the	Fulton	dale vicinity.
Montgomery County 3 E Montgomery	26	1430CST	0	0	3	0	Thunderstorm Winds
	Thu	nderstorm winds down	ned trees and dest	royed a	a few sl	heds in	the eastern portion of the city
Elmore County Elmore Wetumpka	26 26	1500CST 1515CST	0	0	4	0	Thunderstorm Winds Thunderstorm Winds
	Thu Elm	inderstorm winds down fore community. Seve	ned numerous tree ral limbs were al	s, and o	destroye	ed seven	ral car ports and a tool shed in Wetumpka vicinity.
Sumter County York Countywide Choctaw County	27 27	0303CST 0520CST	0	0	?	?	Hail (0.75) Thunderstorm Winds
Butler	27	0530CST	0	0	4	0	Thunderstorm Winds
Pickens County Aliceville	27	0600CST	0	0	1	0	Thunderstorm Winds

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The remnants of Hurricane Andrew moved across the state from West Central Alabama, northeast to north of Birmingham, and continued northeast out of the state. Winds of 25 to 40 mph combined with thunderstorm winds produced widespread tree and power line damage across northern and central portions of the state. Many trees fell on buildings and automobiles. Thunderstorm winds blew roofs off homes in the Livingston and Cuba vicinities of Sumter County. Roofs were also blown from buildings in Lamar and Pickens Counties. A storage shed for the city of Livingston in Sumter County was destroyed. Rains of two to four inches in fell west-central Alabama during a 2-hour period and resulted in urban flooding in the city of Tuscaloosa. a 2-hour period and resulted in urban flooding in the city of Tuscaloosa.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons d Injured	Es D Prope	timated amage rty Crops	August 1992 Character of Storm
ALABAMA Cont'	d								
Montgomery County 11 SSE Montgomery	27	1240CST	0.3	50	0	0	4	?	Tornado (F1)
11 552 Nongomer,	A sı		uched do	wn in the	central	-	of the		and damaged several houses, one
Saint Clair County Moody	27	1240CST			0	0	?	?	Thunderstorm Winds
Lowndes County 5 E Hayneville	27	1245CST	0.3	50	0	2	5	0	Tornado (F1)
	A s dest	mall tornado royed one mol	touched oile home	down in to	he eas	tern poi	rtion o Two p	of the co	ounty and damaged six homes, sustained minor injuries.
Morgan County Hartselle Blount and Mont- gomery Counties	27 27	1248CST 1250CST		*	0	0	?	?	Thunderstorm Winds Thunderstorm Winds
Elmore County 3 NE Montgomery 2 S Wetumpka	27	1302CST- 1315CST	5.0	50	0	1	5	. 0	Tornado (F1)
	destrinjum in so	oximately 2 m royed two hon red one person	iles sout nes shortl along a ore Coun	h of Wetu ly after to 0.50-mile ty and co	mpka i uching path b ntinuec	n the Bl down, a efore lif	ue Rid ind hea ting br	lge and lavily dan riefly.	comery and moved northeast to a simine Hill area. The tornado maged 12 homes, two barns and the tornado touched down again maging six houses, one mobile
Crenshaw County Madison County	27	1310CST			0	0	?	?	Thunderstorm Winds
5 SE Huntsville Elmore County	27	1315CST	¥*		0	0	?	?	Thunderstorm Winds
5 W Tallassee Limestone County	27 27	1315CST 1317CST			0	0	?	?	Thunderstorm Winds Thunderstorm Winds
Macon County Lawrence County	27	1320CST			0	0	3	. 0	Thunderstorm Winds
Landersville Pike County	27	1322CST			0	0	?		Thunderstorm Winds
Troy Tallapoosa County	27	1325CST			0	0	?	?	Thunderstorm Winds
Alexander City Lee County	27	1340CST			0	0	?	?	Thunderstorm Winds
Auburn Macon County	27	1350CST			0	0	?	?	Thunderstorm Winds
Tuskegee	27	1400CST	e5		0	0	?	?	Thunderstorm Winds
DeKalb County Mentone	27	1435CST			0	0	?	?	Thunderstorm Winds
Chambers County Lafayette	27	1510CST			0	0	?	?	Thunderstorm Winds
Lee County Eastern Portion	27	1515CST			0	0	?	?.	Thunderstorm Winds
Barbour County Clay County Millerville	27	1520CST			0	0	?	?	Thunderstorm Winds
Millerville	27	1730CST	•		0	0	?	?	Thunderstorm Winds
. 8 %	Wide	espread tree an ments of Hurri	d power icane An	line dama; drew. On	ge occi	irred as a was over	a resul turned	t of stro	ng thunderstorm winds from the ng thunderstorm wind.
ARIZONA	H .	* *	7 (%)		*			6.50	
Mohave County Bullhead City	01	2005MST	,		0	0	2	0	Thunderstorm Winds

an 91		Time	Path	Path Width		mber of		timated		August 1992
Location	Date	Local/ Standard	Length (Miles)	(Yards)	Killed	rsons Injure		amage rty Crops	Character of Storm	
ARIZONA Cont'o	d									***
	Win	ds peaked at	50 mph	as thund	lerstor	ns mo	ved acı	oss no	thwestern Arizona	and eastern
1 pr	Cali	fornia. Powe	r lines w	ere downe	d and	dense 1	blowing	dust m	oved through the a	rea. Nearby
V	Nee	dles, Californi	a, nad a	gust of 78	mpn.					
Yavapai County Prescott	03	1545MST			0	0	6	0	Hail (1.75)	
	Thu	nderstorms str	ruck man	y areas o	f the c	ounty	with ha	ail and	heavy rains. Cons	siderable hail
	dam	age occurred	at car dea	derships in	n Preso	ott. P	ower or	utages re	esulted from lightni	ing strikes.
LaPaz County Parker	.03	1830MST			0	0	4	0	Thunderstorm V	Winds
12 S Parker	03	1900MST			0	ŏ	0	4	Hail (?)	VV III US
4 E Brenda 4 S Salome	03 03	1900MST 2020MST			0	0	3	0	Hail (1.75) Thunderstorm \	Winds
Parker	03	2030MST			ŏ	Ŏ	Ö	Ŏ	Flash Flood	· · ·
	A la	arge dust storn	n with w	inds estin	nated o	ver 60	mph r	noved the	hrough the Parker	area. Winds
	Free	aged some str	uctures in and hea	McMulle	n Valle	y. About the same of the same	out 1/ p	ower po	oles were downed or g customers withou	it Shea Road.
	mob	oile home was	destroy	ed south	of Sal	ome.	Highw	ays wer	re flooded between	Parker and
Virma Country	Qua	rtzsite.								
Yuma County Tacna	03	2030MST			0	0	3	0	Thunderstorm \	Winds
	Pow	er outage from	n lines o	poles do	wn bet	ween V	Vellton	and Tac	na.	
Dateland	04	1900MST		•	0	0	4	0	Thunderstorm V	Winds
	Stro	ng winds dam	aged at l	east one h	ouse a	nd upro	oted tr	ees.		
Pima County						p				
Tucson	06	1725MST			0	0	4	. 0	Thunderstorm V	Winds (G53)
Tucson	06	1900MST			0	0		0	Flash Flood	
									ise and downed a fe 46 mph at Davis M	
	Pim	a County Sher	iff's Offi	ce reporte	d floo	ding of	city str	reets aft	er heavy rains. On a cars that had stalle	e spotter had
	stree	ets. Up to tw	o inches	of rain fe	ell near	Princ	e Road	and Ca	impbell, with 1.25	inches in 30
	min	utes.							-	131 11
Maricopa County Scottsdale	06	2000MST			0	0	?	0	Flash Flood	
Phoenix	200		2					11		
	Nun	nerous vehicle	s became	stuck in	lloodec	washe	es, stree	ets and r	oads.	
Pinal County Apache Junction	06	2240MST			0	0	?	0	Flash Flood	
repaire ganetion		out 0.51 inch o	f rain fel	1 in 30 mi		52.0				
Coconino County	7100	di 0.51 mon 0	I Iam Ici	i iii 30 iii	nuico i	Courtin	g m su	cot Hoo	amg.	
40 SE Flagstaff	11	Afternoon			1	1	0	0 0	Lightning	
15 S Flagstaff	11	Afternoon		4 9000	_				Rock slide	
	Ligh Cali	ntning struck s	ome trees	s, killing a	teenag	ger and	severel	y injuri	ng his 51-year-old s Creek Canyon nor	stepfather. A
	(M1	50) (M140)	S RIIICG V	men rum	OOSOIN	a look	o one n	no our	Crock Carryon nor	in or bodona.
Cochise County						-		19	R.	
Benson Maricopa County	11	Evening			0	0	?	0	Thunderstorm \	Winds
Scottsdale	11	1845MST	20	849	0	0	4	0	Thunderstorm V	Winds
Carefree Phoenix	11 11	1900MST 1927MST			0	0	4	0	Hail (0.75) Thunderstorm \	Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons d Injure	Esi D d Prope	timated amage rty Crops	August 1992 Character of Storm
ARIZONA Cont'	d								
Phoenix Phoenix	11 11	1949MST 1950MST			0	0	?	0	Flash Flood Thunderstorm Winds (G59)
	area were 1070 repo	. About 40,00 blown onto p h. About 30	00 custom ower line homes w	ers were les. The street of the struck	eft wit ongest by lig	hout po winds htning.	wer bed were m but no	easured injurie	through much of the metropolitar winds and lightning. Tree limbs at 68 mph near Interstate 10 and s were reported. Storm spotters ust reduced the visibility at times
Yuma County Yuma	13	1820MST			0	0	?	0	Thunderstorm Winds
	Policlos	ce reported se ed for about 7	veral light	poles and	l powe	r poles	down d	ue to h	igh winds. U.S. Highway 95 was
Yavapai County Cordes Lakes	15	1600MST			0	0	2	0	Thunderstorm Winds
Maricopa County 15 W Wickenburg	15	1800MST			0	0	2	0	Thunderstorm Winds
20 // // Chelling	Thu	nderstorms m	oved sout	hward the	ough	central	Arizon	a with	high winds and minor property ver for at least several hours.
80 W Phoenix	16	1555MST			0	0	3	0	Thunderstorm Winds
	Mor	e than two do	zen powe	r poles co	llapsec	linan	ıral are	a.	15
Cochise County 10 N Willcox	17	1531MST	Short	10	0	0	4	0	Tornado (F0)
	Thre	e mobile hom	es along	Ft. Grant	Road	were de	stroyed	by sm	
Maricopa County Carefree Scottsdale	17 17	1550MST 1856MST			0	0	? 4	0	Thunderstorm Winds (G52) Thunderstorm Winds
Mesa	micr	oburst that hit	Scottsdal	e and nort	h Mes	a. Tree	s were	uproote	ort. Spotters witnessed the large ed and many homes suffered roof sked down near Power Road.
Pima County Tucson	17	Evening			0	1	4	0	Lightning
	A ma	an was struck Ilso damaged	by lightn a home o	ing while	worki side.	ng on l	uis tract	or-sem	itrailer. A bolt of lightning and
Greenlee County Morenci	19	1527MST			0	0	3	0	Thunderstorm Winds
	A pe	ak gust of 66 slide occurred	mph at I	helps Do	dge.	Total ra	infall i	n a 1-h	our period was 1.54 inches. A
Graham County Safford	19	1530MST			0	0	4	?	Thunderstorm Winds
		ge building u	nder cons	truction w				Ť	Indidension winds
Navajo County Whiteriver	19	1537MST			0	0	0	0	Hail (1.00)
Yavapai County Lake Montezuma	19	1920MST			0	0	4	0	Thunderstorm Winds
	Emer	gency Service	s reporte	d a roof w	1.20				
Cochise County Tombstone	19	1930MST	26		0	0	3	?	Hail (1.75) Thunderstorm Winds (G52)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	D	imated amage rty Crops	Character	August 1992
ARIZONA Cont'o	d									
Yavapai County										
Prescott Valley	20	1610MST			0	0	?	0	Hail (1	.00)
	Seve	eral episodes o	of thunder	rstorms wi	th large	e hail o	ccurre	d for 45	minutes.	
Graham County Safford	21	Afternoon			0	0	0	5	Hail (?))
		r 1,000 acres	of cotton	damaged	by hail		-			
Maricopa County		•								
Phoenix	22	All Day			0	0	5	?	Heavy	Rain
Cile Country	at A even Pho	er water. Abo pache Junctio ung. Numero enix Fire Dep	out one income income with the contract of the	ch of rain fenburg rec s were per nade one	fell in 3 eived a rformed of the 1	0 minus lmost 1 l by Ru nost dr	tes in N .00 in ral Me amatic	New Rivership Reserved to the Rivership Rive	er and 1.2 n in only Departm . A driv	y streets and highways 25 inches in 30 minutes 10 minutes during the ent in Scottsdale. The er was rescued from a trapped in floodwater.
Gila County 30 S Payson	22	1005MST			0	0	3	0	Flash F	lood
	Som	e flooding wa	s reported	d on the B	eeline	Highwa	y betw	veen Pay	son and l	Mesa.
Graham County 10 NW Thatcher	22	Afternoon			0	0	0	6	Hail (?))
10 IVV I IMICIAL		r 3,800 acres	of cotton	were dam	•				11411 (1)	,
Yavapai County	0.0	1 3,000 40108	or conon	word durin	mgod o	, 110111.				
Prescott	22	1950MST			0	0	4	0	Flash F	lood
	Hear	vy rains soake	d much o	of the coun	ty and	flooded	some	streets	and highv	ways. Prescott Airport
Viima Carintii	reco	rded 4.47 inc	nes of rai	n for the v	week ei	iding A	ugust	ZZna.		
Yuma County Yuma	22	2000MST			0	0	3	0	Thunde	erstorm Winds
	Win	ds knocked do	own a few	power li	nes.					
Gila County						_		_		
10 S Globe	23	0250MST			0	0	0	0	Flash F	
	wate	f, heavy rains ers. Total rain inches in Sec	ıfall durin	espread flo ig the 3-da	oding i y perio	n the cod throu	ounty. igh the	One car 23rd in	was was cluded 6.	thed away due to flood 10 inches in Globe and
Maricopa County Phoenix	23	0400MST			0	0	5	?	Flash F	lood
	Wid from force occu Salt	espread and he the Granite F ed the closure erred at Grani	Reef Diver of many te Reef Di -year-old	rsion Dam unbridged am. At le man drow	l ahead into the crossinast one	of Hurne e normangs alor death	ricane in ally dry	Lester co Salt Riv Salt Riv	aused rare ver bed. er. Peak related to	e August water releases Releases continued and releases of 17,500 cfs the heavy flows in the attempted to cross the
LaPaz County Parker	23	0800MST			0	0	5	0	Flash F	Doof
1 at Kei			of rain fe	ell from la			-			time residents said this
	one	the worst loca e park had mo	l natural	disaster th	ey coul	d recal	l. Roa	ids and s	streets we	re closed and a mobile
Coconino County Grand Canyon	26	Unknown			2	0	0	0	Flash F	lood
erin (Two north (F26	Air Force of hern Arizona	fficers we on the 250	ere killed th. Runof	by flas f from	h flood these ra	s. He	avy rair s likely	s were o	bserved over much of into the 26th. (M24O)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	Estim Dam Property	age	August 1992 Character of Storm
ARIZONA Cont'd	l								
Yavapai County Prescott Prescott Valley	30 30	1936MST 1957MST			0	0	6 3	0	Hail (1.75) Hail (1.00)
46 NW Wickenburg	30	Evening	rms nelter	l hail on a	0	0	6	0	Flash Flood and the heavy rains washed out
	a lar	ge part of U.S aged about 50	Highwa	y 93. Tra	ffic wa	s rerou	ted arou	ind this	s closure for several days. Hail
Coconino County 50 N Flagstaff	31	1242MST	10.0	20	0	0	0	0	Tornado (F0)
ABKANGAG	A pi	lot reported a	tornado n	ear the Li	ttle Co	lorado l	River.		
ARKANSAS									
1 S Foreman	02	1400CST			0	0	0	0	Hail (1.75)
Izard County Sylamore	02	1542CST			0	0	2	0	Thunderstorm Winds
	Thu	nderstorm win	ds blew d	own a few	trees.				
Pineville	02	1542CST			0	0	3	0	Thunderstorm Winds
	Thur	nderstorm win	ds downer	d several t	rees.		7		
Jackson County 3 SE Elgin Izard County	02 02	1708CST 2230CST-		2	0	0	0	0	Hail (0.75)
	03	0100CST			0	0	5	0	Flash Flood
425	A nu road	mber of coun washouts.	ty roads v	vere flood	ed due	to heav	y rains.	Muc	h of the damage was limited to
Benton County 1 W Bentonville	03	1340CST			0	0	3	0	Thunderstorm Winds
	Thur	derstorm win	ds downed	d several t	rees.				
Newton County Mt. Judea Washington County	03	1410CST			0	0	0	0	Hail (0.75)
2 SE Winslow	03	1430CST			0	0	2	0	Thunderstorm Winds
	Thun	derstorm wine	ds blew de	own a few	trees.				a v
Searcy County Witts Spring Carroll County	03	1430CST			0	0	0	0	Hail (1.00)
2 S Eureka	03	1445CST			0	0	3	0	Thunderstorm Winds
Springs	Thun	derstorm wind	is knocke	d down se	veral t	rees on	Highwa	ıy 23.	
Yell County Ola	03	1605CST			0	0	4	0	Thunderstorm Winds
	Thun	derstorm wind	is downed	l several t	rees, p	ower lir	nes and	phone	lines.
White County Bald Knob	03	1630CST			0 ·	0	0	0	Hail (1.00)
Perry County Perryville	03	1641CST		5	0	0	3	0	Thunderstorm Winds
3,61	Thun	derstorm wind	ls knocke	d down se	veral t	rees.			The second secon
Garland County Fountain Lake	03	1715CST	-6		0	0 -	3	0	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons I Injured	Est De Proper	imated amage rty Crops	Character of Storm	August	1992
ARKANSAS Con	t'd										
12121213125 002		nderstorm wi	nde doum	ad cavaral	trace	and now	ar lina	.0			
Saline County Benton		1730CST	nus uown	ed several	0	and pow	3	0	Thunderstorm	Winds	
	Thu	nderstorm wi	nds knocl	ced down	some p	ower lir	ies.		¥.		
Prairie County 1 W Fairmount	03	1800CST		£ £ 60	0	0	0	0	Thunderstorm	Winds	(G55)
Slovak	03	1800CST		4		7.	- S-2"	. 0	Thunderstorm	Winds	
Y 66 C	Inu	nderstorm wi	nds blew	down seve	eral tre	es and p	ower	lines.		2	ř.
Jefferson County White Hall		1815CST			0	0	3	0	Thunderstorm	Winds	
	Thu	nderstorm wi	nds knoci	ked down	several	trees ar	id pow	er lines	• • -,		
Arkansas County Stuttgart	03	1830CST			0	0	2	0	Thunderstorm	Winds	
on annual Canada	Thu	nderstorm wi	nds knock	ced down	a coup	le of tree	es.				
Lonoke County					•						
Carlisle	03	1830CST	1 18		0	0	3	0	Thunderstorm	Winds	
, Y	Seve	eral large tree	s were ki	nocked dov	wn by	thunders	torm v	vinds.		20.0	
Jefferson County 5 NW Pine Bluff	03	1830CST		4	0	0	3	0	Thunderstorm	Winds	
	Thu	nderstorm wi	nds blew	down seve	eral lar	ge trees.		48°	(61)		
Monroe County Clarendon	03	1930CST			0	0	3	0	Thunderstorm	Winds	
2	Thu	nderstorm wi	nds knocl	ced down	several	trees ar	d pow	er lines			
Franklin County Ozark	04 05	2300CST- 0230CST			0	0	5	0	Flash Flood		
	Heav A ca	vy rains produ	van were	swept int	in the	city of C	zark.	A numl	per of bridges sus s in the county rec	tained da	mage. etween
Fulton County		4 F40 CC							-	****	
Mammoth Spring		1720CST	98 2 2 2 2		0 .	0	3	0	Thunderstorm	Winds	
		nderstorm wi	nds knock	ced down	several	21			."		*
Salem	10	1720CST			0	0	3	0	Thunderstorm	Winds	
	Thu	nderstorm wi	nds blew	down seve	ral tre	es.					
Sharp County Ash Flat	10	1730CST			0	0	3	0	Thunderstorm	Winds	
	Seve	eral trees and	power lin	nes were b	lown c	lown.					
Stone County Pleasant Grove	10	1810CST			0	0	4	0	Thunderstorm	Winds	5 × 1
	Thu	nderstorm wir	nds knock	red down j	power	lines and	l cause	ed dama	ge to a mobile ho	me.	
Izard County Mt. Pleasant	10	1811CST			0	0	4	0	Thunderstorm	Winds	
	Thu	nderstorm wii	nds rippe	d the roof	off a h	ome and	knoc	ked dow	n several trees.		

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of ersons d Injured	D	imated amage rty Crops	Character of Storm	August 1992
									*	
ARKANSAS Con	t'd									
Stone County	10	102 FCCT			•	•	_		771	337 . 3.
Mountain View	10	1825CST	ana blevian	dave by	0 thund	0	5 ida	O	Thunderstorm	
Cleburne County	Nu	merous trees w	ere biwoi	down by	tnuna	erstorm	winas.	Severa	l aircraft also sus	tamed damage.
4 N Drasco	10	1825CST			0	0	3	0	Thunderstorm	Winds
	Thu	understorm win	ds tore th	e roof off	of a	barn.				*
10 SW Heber	10	1830CST			0	0	4	0	Thunderstorm	Winds (G61)
Springs	Sev	eral homes rec	eived roo	f and chin	nney o	lamage.				
Prim	10	1830CST			0	0	4	0	Thunderstorm	Winds
	Sev	eral roofs were	damage	d by thund	lerstor	m winds	s.			
Faulkner County	10	1000000			^			•	m	TE - 1- (CE2)
Damascus Chicot County	10	1900CST			0	U	0	0	Thunderstorm	Winds (G52)
Dermott	10	1900CST			0	0	4	0	Lightning	
	A b	ouilding and a s	torage sh	ed were d	estroy	ed by a	fire th	at was th	he result of lightr	ing.
White County Albion	10	1905CST			0	0	3	0	Thunderstorm	Winds
	Thu	ınderstorm win	ds downe	d several	trees.					
Faulkner County	2/2									
Conway	10	1910CST			0	0	3	0	Thunderstorm	Winds (G52)
	Thu	ınderstorm win	ds blew c	lown trees	and p	ower lii	nes.			
Faulkner County Vilonia	10	1910CST			0	0	0	0	Thunderstorm	Winds (G52)
Bradley County Hermitage	10	1930CST			0	0	3	0	Hail (1.75)	
Hermitage	10 10	1945CST			Ŏ	Ŏ	3 3	Ŏ	Hail (1.75)	
Hermitağe	Hai	2000CST l, up to the size icles received of	ze of gold lamage.	f balls, fel	•	•		•	Hail (1.75) utes. A number	of homes and
Pulaski County Jacksonville	10	1930CST			^	^	0	•	Th	W: J- (CE2)
Izard County					0	0	_	0	Thunderstorm	Winds (G52)
Guion Pulaski County	10	1930CST			0	0	0	0	Hail (1.75)	
Little Rock	10	1945CST			0	0	3	0	Thunderstorm	Winds
	Thu	nderstorm win	ds blew d	own sever	al tree	es and p	ower l	ines.		
Lonoke County Lonoke	10	1954CST			0	0	3	0	Thunderstorm	Winds
		nderstorm wine	ds downe	d several r			•			***************************************
8 NE Scott	10	2012CST			0	0	2	0	Thunderstorm	Winds
na n		nderstorm wine	ds knocke	d down a		_	-			
Baxter County										
Mountain Home	10	2035CST	to Kair		0	0	2	0	Thunderstorm	Winds
	Thu	nderstorm wind	is blew d	own a few	trees	•		8		

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	Di	imated amage ty Crops	Character of Storm	August 1992
ARKANSAS Cont	• • • • • • • • • • • • • • • • • • • •									is
	u									
Jefferson County Altheimer	10	2045CST			0	0	3	0	Thunderstorm	Winds
	Thu	nderstorm win	ds knocke	d down s	everal	trees an	d pow	er lines.		
Pine Bluff	10	2045CST			0	0	3	0	Thunderstorm	Winds
	Seve	ral trees and	power line	s were bl	lown de	own.				
Prairie County	10	2045CCT			•		,	•	TDL	XX7
Hickory Plains	10	2045CST		11	0	0	3	0	Thunderstorm	Winds
Automora Cometer	Som	e trees and po	wer lines	were blov	wn dov	vn.				
Arkansas County DeWitt	10	2050CST			0	0	3	0	Thunderstorm	Winds
	Thu	nderstorm win	ds blew d	own seve	ral tree	s and p	ower l	ines.		
Marion County Yellville					-					
Yellville	10	2050CST			0	0	3	0	Thunderstorm	Winds
_	Thu	nderstorm win	ds downer	d some po	ower li	nes.				
Boone County Lead Hill	10	2100CST			0	0	4	0	Thunderstorm	Winds
			ds knock	ed down			s and		ines. Several re	
	dam	aged and a bo	at dock wa	as destroy	red.			Po 2		olo wolo will
Harrison Omaha	10 10	2102CST 2105CST			0	0	0	0	Thunderstorm Thunderstorm	Winds (G52)
Omana		ral trees and	nower line	e ware bl	•	•	3	U	1 hunderstorm	Willus
Alpena	10	2105CST	power ime	s were or	0	0 0	3	0	Thunderstorm	Winds
Агрена	277.552	derstorm win	ds blew d	own seve				- 1 170 1	i nunuei storm	Willias
Harrison	10	2105CST	us ofew u	OWN SEVE	0	0 0	3	0	Thunderstorm	Winds
Add Ason		derstorm win	ds knocke	d down s	•		_	-	1 nunuci storm	Willus
Searcy County	11101	idoisioim win	ds knocko	u uown s	onic ti	oo and	power	mes.		
Searcy County Marshall	10	2115CST			0	0	3	0	Thunderstorm	Winds
	Thu	nderstorm win	ds blew d	own some	powe	r lines.				
Stone County	10	2122000						_		
Rushing	10	2120CST			0	0	3	. 0	Thunderstorm	Winds
aa	Thur	nderstorm win	ds blew d	own seve	ral tree	s and p	ower I	ines.		
Carroll County Green Forest	10	2125CST			0	0	3	0	Thunderstorm	Winds
		nderstorm win	ds downed	i several	trees a	nd powe		s.		
Stone County						•				
Mountain View	10	2130CST			0	0	5	0	Lightning	
	Ligh		cause of a	fire that	destro	yed a ho	ouse.	The hous	se was a total los	s. No injuries
Van Buren County	occu	irea.								
Clinton	10	2130CST			0	0	3	0	Thunderstorm	Winds
	Thur	derstorm win	ds knocke	d down s	everal	trees.				
Newton County Jasper	10	2130CST			0	0	4	0 -	Thunderstorm	Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		aber of sons Injured	D	timated amage rty Crops	Character of Storm	August 1992
ARKANSAS Con	+?A									
ARRAMSAS COIL						escar	2000	11		
I C	1 hu	inderstorm win	ids knock	ed down i	numeroi	is trees	and p	ower lin	es.	
Logan County Blue Mountain	10	2140CST			0	0	0	0	Thunderstorm	Winds (G58)
Johnson County 8 N Clarksville	10	2205CST			0	0	0	0	Thunderstorm	Winds (G52)
Madison County Wesley	10	2208CST			0	0	2	0	Thunderstorm	
		nderstorm win	ds downe	ed a few to	rees.	_	_			
Pope County Hector										
Hector	10	2210CST	-4.		0 .	0	3	0	Thunderstorm	Winds
Common Common	Thu	nderstorm win	ds downe	ed some tr	ees and	power	lines.			
Conway County Cleveland	10	2210CST			0	0 -	2	0	Thunderstorm	Winds
	Thu	nderstorm win	ds downe	ed a few tr	rees.					
Madison County Huntsville	10	2215CST			0	0	4	0	Thunderstorm	W:J.
Humsyme		nerous trees an	d nower	lines were				U	Thunderstorm	winas
Hindsville	10	2215CST	ia power	inics were	O	O dow.	4	0	Thunderstorm	Winds
	155151	nderstorm win	ds blew o	lown num	•	•	2.0	-	1 nunuci storm	VI III US
Benton County										
Centerton	10	2215CST	4 4 2		0	0	2	0	Thunderstorm	Winds
C	Thu	nderstorm win	ds blew d	lown a fev	v trees.					
Conway County Springfield	10	2215CST			0	0	3	0	Thunderstorm	Winds
	Thu	nderstorm win	ds downe	d several	trees.					*
Washington County	10	2220.000				Δ.			m, ,	
Springdale Prairie Grove	10 10	2220CST 2223CST			0	0	0	0	Thunderstorm Thunderstorm	Winds (G52) Winds (G59)
	Thu	nderstorm win	ds downe	d numero	us trees	and po	wer li	nes.		
Fayetteville	10	2223CST	35		0	0	2	0	Thunderstorm	Winds
	Thu	nderstorm win	ds blew d	lown a fev	v trees.					
Canehill	10	2230CST			0	0	4	0	Thunderstorm	Winds
		nerous trees an	d power	lines were						
West Fork Franklin County	10	2235CST			0	0	0	0	Thunderstorm	Winds (G52)
Cass	10	2235CST			0	0	4	0	Thunderstorm	Winds
W 11	Num	nerous trees we	ere blown	down by	thunde	rstorm	winds.	i a		E . 3
Washington County Farmington	10	2235CST			0	0	4	0	Thunderstorm	Winds
	Thur	nderstorm wind	ds blew d	own nume	erous tre	ees and	powe			
Goshen	10	2245CST			0	0	4	0	Thunderstorm	Winds
	Num	erous trees an	d power l	lines were	blown	down.		÷		
Crawford County Rudy	10	2245CST			0	0	4	0	Thunderstorm	Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons Injured	Est Da Proper	imated amage rty Crops	August 1992 Character of Storm
									ŧ
ARKANSAS Con									
2 N 41		nderstorm w	inds down	ed numero	us tree	s and p			m 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2 N Alma	10	2250CST inderstorm w	inda blave	dovem a tra	U on t	on of a	4 mobile	0 home	Thunderstorm Winds Only minor damage occurred.
Benton County	1110	inderstorm w	mus oicw	uown a tre	c on t	op or a	moone	nome.	Only minor damage occurred.
Siloam Springs	10	2259CST			0	0	2	0	Thunderstorm Winds
	Thu	nderstorm w	inds blew	down a fev	v trees				
Sebastian County Fort Smith	10	2301CST			0	0	0	0	Thunderstorm Winds (G54)
			inds guste	d to 62 mp	h at th	e Weat	her Ser	vice Of	ffice in Fort Smith.
Greenwood	10	2305CST		-	0	0	0	0	Thunderstorm Winds (G52)
Logan County Caulksville	10	2310CST			0	0	3	0	Thunderstorm Winds
	Thu	nderstorm w	inds blew	down som	e powe	er lines.	9		
Crawford County Van Buren		****				2			Z. I
Van Buren	10	2310CST			0	0	3	0	Thunderstorm Winds
Lacon Country	1 hu	nderstorm w	inds knock	ced down s	everai	trees.			
Logan County Cove Lake	10	2315CST			0	0	3	0	Thunderstorm Winds
	Thu	nderstorm w	inds knocl	ced down s	everal	trees a	nd pow	er lines	.
Scott County Mansfield	10	2330CST			0	0	3	0	Thunderstorm Winds
Mansheiu		nderstorm w	inds blew	down som	Ĭ	_			Thunderstorm winds
Ouachita County	Thu	ndcisioim w	mus oicw	down som	· iics	and po	wer im	103.	
Bearden	11	0015CST			0	0	3	0	Thunderstorm Winds
	Thu	nderstorm w	inds blew	down seve	ral tre	es.			
Howard County 2 W Baker	11	0050CST			0	0	0	0	Hail (0.75)
Springs 2 W Baker	11	0050CST			0	0	3	0	Thunderstorm Winds
Springs				•	-		3	U	Thunderstorm Winds
10 CW Harring		nderstorm w	inds blew	down seve	ral tre	es. 0	3	0	Thunderstorm Winds
10 SW Umpire	11 Thu	0055CST nderstorm w	inda knool	red down s	•	- 76	3	U	Thunderstorm winds
Sevier County	Inu	nderstorm w	mus knock	teu uowii s	everar	trees.			
King	11	0058CST			0	0	4	0	Thunderstorm Winds (G50)
	Thu	nderstorm w	inds down	ed numero	us tree	s.			
Gillham	11	0058CST			0	0	4	0	Thunderstorm Winds (G50)
	Nun	nerous trees	were blow	n down by	thund	erstorm	winds	•	
Craighead County Jonesboro	23	0830CST			0	0	4	0	Lightning
g			sustained h	eavy dama					sed by lightning.
CALIFORNIA, N				- Se Green					and the second

None reported.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	D	imated amage rty Crops	Character	August 1992
CALIFORNIA, Se	outhe	ern								
Imperial, Riverside, San Bernardino, San Diego Counties	01	0930PST			0	0	?	0	Flash F	lood
Jan 2 rego comme	Thu	nderstorms alo	in inch of	f rain fell	rain an in less t	d minor	flood	ing, hit r	nany mou	intain and desert areas. in the San Bernardino
San Bernardino Cour Southeast	ty 01	1745PST			0	0	?	0	Thunde	erstorm Winds (G78)
	Stro	ng thunderstor	1930 PS	T, Needles				na borde	er north o	of Parker and south of ph along with frequent
South Central Riverside County	03	1350PST			0	0	?	0	Flash F	lood
	Heav	vy rains occurr amp Sherman.	ed in the Some mi	San Jacint	to Mour floodin	ntains w	ith 1.0	07 inches	falling in	n slightly over an hour y and Beaumont areas.
Southeast San Bernar						•				
Eastern Riverside Counties	03	1748PST			0	0	?	0	Thunde	erstorm Winds (G60)
	Seve	W. 2000 Co. To. 100 Co. 100 Co	ms occur	red along	0.73	lorado	River	Valley,		g winds gusting to 60
N 4 4 6 7	mph	in the Blythe	area alon	g with fre	quent l	ightning	g and l	brief hea	vy rains.	
Northeast San Bernar County	dino 05	1518PST			0	0	?	0	Flash F	lood
										east of Mountain Pass. and silt on roads.
Riverside, San Bernar San Diego Counties	dino, 12	1250PST			0	0	,	0	Flash F	lood
-	Stron	ng thunderstor	g. Idyllwi	red in the	mounta	ins of se	outher untain	n Califor	rnia, prod	lucing heavy rains and s of rain between 1200
CAZALL	13- 20	All Day			2	60	0	?	Heat W	ave
	temp felt l valle and	was caused eratures in the ike 110 degree ys of Los Ang	by a large mid-90s es. Deat eles had l eat-relate	ge area of s at the Lo th Valley highs near	high pos Ange had nin 110 de	les Civie conse grees.	over ic Cen cutive There	the Wester and days overe 60	stern Uni high hum er 120 d reports o	n California. The heat ited States. With the hidity, the temperature legrees. Many inland if heat-related illnesses San Diego on August
Imperial, San Bernard Riverside, Los Angele	lino,									
San Diego, and Inyo Counties	°,13	0915PST			0	0	?	0	Thunde Flash F	rstorm lood
	gusty	winds, power	outages	, hail and	frequen	t lightn	ing oc	curring.	Idyllwil	y rain, flash flooding, d reported 0.62 inches

Severe thunderstorms struck many mountain and desert areas with very heavy rain, flash flooding, gusty winds, power outages, hail and frequent lightning occurring. Idyllwild reported 0.62 inches of rain in 30 minutes. Cucamonga reported 1.56 inches in about one and half hours. Big Bear Lake had 1.20 inches of rain. Mt. Palomar, in the mountains northeast of San Diego, had reported nearly six inches of rain from 1230 PST to 1500 PST. Almost four inches of rain fell at Mt. Laguna. These intense thunderstorms were part of a mesoscale convective system. Three mobile homes were overturned in the Calipatria-Niland area of Imperial County between 1430PST and 1530PST. Highway 86, near Westmorland and Brawley, was flooded. Death Valley Ranger Station reported flash flooding. Highway 190, in the Death Valley area, had some local flash flooding.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	D	timated amage rty Crops	Character of Storm	August 1992
CALIFORNIA, So	uithe	ern Cont'd								
S- 32 8 39					0	0	?	0	Hail (0.75)	
San Diego County	13	1340PST	Deleme		U	U	•	U	naii (0.75)	
Tan Assalan and Ossa		fell in the Mt	. raioma	r area.					147	
Los Angeles and Oran Counties	13	1545PST	2000	an A	0	0	?	0	Thunderstorm	
	throu		ounty and	the Los	Angeles	Basin.	Brie	f gusts of	oscale convective f wind to 40 mph	
Riverside County	14	0917PST			0	0	?	0	Flash Flood	
	Stroi hit th	ng thunderstor he San Jacinto	ms hit ma Mountai	any mount ns near Id	ain and yllwild	l desert . Heav	areas. y rain	At 150 and loca	5 PST, an intense al flooding was re	e thunderstorm eported.
Eastern Imperial, Eastern Riverside Counties	22	1600PST			0	0	?	0	Flash Flood Thunderstorm	Winds
Eastern Riverside,		he reported we minor street			nph ac	compan	ied by	over 0.	50 inch of rain in	one hour and
Southeast San Bernard Counties	dino 23	0950PST			0	0	,	0	Flash Flood	
Inyo, Eastern San	High thun offic Wild	nways 95 and derstorms in	62 were the Death Valley R	closed du Valley a anger Sta	ie to fl rea cai	ooding used so	and a	van was	Vidal Junction are s washed off the flooding. At 1' in the Immigran	road. Heavy 118 PST, park
Bernardino, Eastern E Counties	23	1300PST			0	0	?	0	Thunderstorm Flash Flooding	
	Mine	or flash floodi	ing was re	ported in	the Fu	rnace C	Creek a	area of D	eath Valley at 10	645 PST.
CAZ019	30	1348PST		-	0	0	?.	0	High Winds	·
	Stroi		5 to 45 n	nph were	reporte	ed over	the A	ntelope `	Valley in norther	n Los Angeles
Inyo,San Bernardino, Imperial, Riverside, a	nd									
San Diego Counties	31	1335PST			0	0	?	0	Thunderstorm Flash Flood	×
COLORADO	flood fell i	ding was repo	rted in Be Yucca	aumont v	here 0	.40 incl	hes of	rain fell	thern California. in six minutes a d Mountain had	nd 1.29 inches
Adams County 18 NE Denver	01	1602MST			0	0	?	?	Funnel Cloud	
1.5 N Bennett to 1 N Bennett	01 01	1606MST- 1624MST	0.5	50	0	0	?	?	Tornado (F0)	
	A fe	s reported a f w minutes late . The tornado	unnel clo	do was rep	orted r	near Bei	nnett b	y sheriff	v Denver Interna 's deputies as wel	tional Airport. I as by another
Adams County Brighton	01	1845MST			0	0	?	?	Thunderstorm	Winds (G52)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	Estimated Damage Property Cro	os Character o		August 1992
COLORADO Co	nt'd									
8 NW Bennett to	01	1856MST			0	0	? ?	Thunde	rstorm <u>V</u>	Vinds (G61)
7 W Watkins	01 An	1905MST National Wea	ther Servi	ce automa	0 ted mea	0 sonet sta	ation records	ed a thunder	storm gus	Vinds (G61) st of 60 mpl
	(52	knots) at Brig mett. A spott	hton. Spo	otters meas	sured a	thunder	rstorm gust o	of 70 mph (6	1 knots)	northwest o
Arapahoe County 10 SE Denver Adams County	01	1900MST			0	1	? ?	Lightnir	ıg	
10 NW Denver	01	1905MST			0	1	? ?	Lightnir	ıg	
	mal Res	o people were e, sustained s ervoir. The se nes are estimat	serious in cond, a 50	juries who	en stru	ck by	lightning wh	nile jet skij	ng on Cl	nerry Creek
Moffat County 23 N Craig	02	1600MST	200*	25	0	0	4 ?	Tornado	(F0)	
	A to pick from	ornado destroy ted up the 40 b n its original p 000. There w	ed an airp by 30 foot position.	lane hange hanger, lit A fibergla	fting it	over 50	feet into the	orado High	way 13. ositing it a	about 15 fee
Eagle County Vail	02	1640MST			1	0	? ?	Lightnin	ıg	
	A 3	8-year-old ma	n was stru	ck and kil	led by	lightnin	g while golf	ing. (M380))	
Boulder County Longmont Adams County	03	1725MST			0	0	? ?	Thunder	storm V	inds (G50)
Brighton 14 NE Denver	03 03	1757MST 1805MST			0	0	? ?	Thunder Thunder	storm W storm W	inds (G56) inds (G52)
	knot	National Weat ts) at Longmonter reported a port.	nt. A 64	mph (56 k	nots) g	ust at B	righton was	reported by	a spotter	 A second
Jefferson County Evergreen	03	1800MST			0	0	5 ?	Lightnin	g	
	Ligh Time	ntning started e given is esti	a fire at a mated.	church,	causing	over \$	75,000 in da	amage. The	re were	no injuries.
Arapahoe County 10 SE Denver 10 SE Denver	05 05	1515MST 1515MST			0	0	? ?	Funnel (Funnel (
10 DD Deliver		lot reported to	vo funnel	clouds nea			197			ckly.
Douglas County									-	, -
2 E Franktown	05	2032MST ational Center	for Atmo	ambaria D	0	0	? ?	Hail (0.7		1.4
Phillips County	AN	ational Center	ioi Atino	spheric Re	esearch	sponer	reported di	ne-size naii	near Fran	iktown.
6 NW Amherst Amherst	06 06	1635MST 1644MST			0	0	? ?	Hail (1.7 Hail (1.0	5) 0)	
	Spot	ters reported l	nail up to	golf ball-s	ize in a	nd near	Amherst.			
Morgan County Fort Morgan	10	0930MST			0	1	? ?	Lightnin	g	
	A 48	3-year-old mal	e was stru	ck by ligh	tning,	receivin	g only mino	r injuries.		

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		aber of sons Injured	Dan	nated nage y Crops	Character of Storm	August 1992
COLORADO Con	t'd									
Prowers County Lamar Lamar Lamar	10 10 10	1305MST 1320MST 1330MST			0 0 0	0 0 0	2 ? ?	?	Hail (1.50) Hail (1.75) Flash Flood	4 *
	(2.50)	nderstorms pro 0 inches in 45 several hours.	oduced ha minutes)	il up to go caused flo	olf ball- ooding	size in in the c	Lamar, enter o	breaki f town,	ng a few window , requiring traffic	vs. Heavy rain to be diverted
El Paso County Palmer Lake Black Forest	11 11	1420MST 1515MST			0	0	?	?	Hail (1.00) Hail (0.75)	
	Hail of B	was reported lack Forest.	up to 1.00	inch in di	ameter	at Paln	ner Lak	e. Din	ne-size hail fell o	n the north side
Washington County 7 NNE Last Chance 11 NW Akron 1 S Woodrow	11 11 11	1608MST 1740MST 1755MST			0	0	?	?	Hail (1.00) Hail (0.75) Hail (0.75)	
		ters reported	hail up to	1.00-inch	diame	ter in W	/ashing	ton Co		
Weld County New Raymer	11 Spot	1753MST ter reported v	valnut-size	hail at N	0 ew Ray	0 /mer	?	?	Hail (1.50)	8
Morgan County 1 W Wiggins 3 SW Wiggins	11 11	1858MST 1900MST	vamut-Sizx	nan at 11	0 0	0	3 ?	?	Hail (1.75) Hail (1.75)	
		ball size-hail		nd Wiggin	s, dan	aging s	shingles	and b	reaking windows	of houses and
Jefferson County 12 NNW Denver 12 NNW Denver	11 11	2101MST 2107MST			0	0	?	?	Hail (0.75) Hail (0.75)	
Rio Grande County	Two	off-duty Nat	ional Wea	ther Service	ce emp	loyees	reporte	d dime-	size hail in Wes	minster.
30 NW Alamosa	13	1800MST	1 337 4h	Ci	0	0	?	? 	Funnel Cloud	
Baca County Pritchett	An 0	off-duty Natio	nai weath	er service	етріс 0	oyee sig	nted a	oriei iu ?	Hail (1.75)	
D 1 C	Baca	County Sher	iff reporte	d hail to g	golf bal	ll-size i	n Pritch	nett.		
Park County Guffey	17	1515MST	6 ala		0	0	?	?	Funnel Cloud	
Teller County] Cripple Creek	17	1520MST			0	0	?	?	Hail (0.75)	
Elbert County 9 S Simla	Dim	e-size hail fel 1527MST	••	e Creek. Narrow	0	0	?	?	Tornado (F0)	
		Town Marsha							(2.5)	
Custer County San Isabel	17	1700MST			0	0	?	?	Hail (1.00)	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	D	imated amage rty Crops	Character of Storm	August 1992
COLORADO Cor	ıt'd									
	One	-inch-diameter	hail fell	in San Isab	el, pi	ling up	a few	inches d	eep in areas.	
Adams County 5 E Bennett	17	1801MST	Short	Narrow	0	0	?	?	Tornado (F0)	
CORPS	Spot	ter reported a	brief torn	ado betwe	en Bei	nnett an	d Stra	sburg.		
Yuma County Laird Laird 4 N Laird	18 18 18	2230MST 2230MST 2235MST	Short	Narrow	0 0 0	0 0 0	5 4 ?	? ? 4	Hail (2.75) Tornado (F0) Hail (2.00)	
	caus	ado. The torn ed widespread lows and were	ado strucl damage to severely	k and badl o the small dented, roo	y dam town. ofs of l	aged a model with a comment with a c	mobile ows we vere da	e home. ere shatt amaged a	I up to baseball s No one was injured on homes, a and trees were str and had to be pl	ared. The hail utomobiles lost ipped of leaves
Arapahoe County 11 E Denver	21	1433MST			0	0	?	?	Funnel Cloud	
	Obse	erver at Buckle	y Air Na	tional Gua	rd Bas	se spotte	ed a bi	rief funn	el cloud southwe	st of the base.
Morgan County 1 W Wiggins 1 W Weldona	21 21	1640MST 1650MST			0	0	?	?	Hail (1.75) Thunderstorm	Winds
	Mor hail	gan County Sh stripped corn	eriff repo fields near	rted golf b r Weldona	all-siz	æ hail n	ear W	iggins.	Strong thunderst	
Weld County 7 N New Raymer	21	1700MST			0	0	?	?	Thunderstorm	Winds (G52)
Morgan County	Spot	ter reported a	thunderst	orm gust o	f 60 n	nph (52	knots) north c	of New Raymer.	
16 N Fort Morgan Weld County	21	1810MST			0	0	?	?	Hail (0.75)	
6 SW New Raymer	21	1820MST			0	0	3	?	Thunderstorm	Winds
	Dime	e-size hail fell over a light v	north of I veight she	Fort Morga d.	ın. Th	underst	orm w	inds dar	naged several ou	t buildings and
Jefferson County 15 WSW Denver	24	1140MST- 1800MST			0	0	?	?	Flash Flood	
17 WSW Denver	24	1230MST-			0					
Denver County	24	1700MST			0	0	?	?	Flash Flood	
7 SSW Denver 2 NW Denver	24 24	1230MST- 1930MST 1500MST-			0	0	?	?	Flash Flood	
2 NW Denver	24	2000MST			0	0	?	?	Flash Flood	
	metro south day n The o	opolitan area. western and conear Idledale, confluence of onks. Mud and and control caused in	Rainfall a entral part with flood Cherry Cr d rock sli	amounts of ts of the bulwaters mo reek and the des along	one to siness ving i e Sou Colora	three in the district of the	nches . Bear south Rive hway	fell, with r Creek west part r in down 74 west	ing across parts h the hardest hit a rose above bankf t of Denver by ea ntown Denver al of Morrison wer ening and floodw	areas being the ull early in the arly afternoon. so went out of re reported but
Boulder County 10 SSW Estes Park	30	1130MST			0	1	?	?	Lightning	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons d Injured	D	timated amage rty Crops	August 1992 Character of Storm
COLORADO Con	ıt'd								
		year-old mal			red v	vhen stru	ick by	lightnir	ng while climbing Longs Peak in
Custer County 1 SE West- cliffe	30	1517MST	Short	Narrow	0	0	?	?	Tornado (F0)
Yuma County Otis	A to 31	rnado touched	l down br	iefly near \	West	cliffe.			
Ous		2100MST	three incl	nes in some	0 e area	0 as. prodi	3 iced f	? lash floo	Flash Flood oding in Otis. Parts of Colorado
CONNECTICUT	High	way 61 were	under wa	ter as were	han	gars at t	he Oti	s airpor	t.
Fairfield County									
Easton	04	0615EST			0	0	?	0	Thunderstorm Winds
T: #116	Seve	ral trees were	reported	blown dov	vn.				
Fairfield County Trumbull	04	0615EST	0.2	10	0	0	2	0	Tornado (F1)
	conf	y trees were irmed by Nation njuries or stru	onal Weat	her Service	inve	torn off estigation	along a. The	the pa tornado	th of a small tornado that was be touched down on Sharon Street.
New Haven County Orange	04	0630EST			0	0	?	0	Thunderstorm Winds
	Seve	ral trees were	blown de	own.					
Hartford County									:00
North Granby East Hartford	04 04	1436EST 1505EST			0	0	?	0	Hail (0.75)
East Hartford East Hartford	04 04	1510EST 1505EST-		,	Ŏ	ŏ	?	ŏ	Thunderstorm Winds (G55) Hail (1.00)
	7.	1515EST	1.2	10	0	0	?	0	Tornado (F0)
	off 1 and path	0 to 20 feet a varied from 1	bove the 5 to 30 fe o that occ	ground alo et wide. T curred duri	ng th There ng th	e path o were re ne period	f the toports of 1:	ornado, of 1.00	o. Numerous trees were snapped which traveled about 6,500 feet inch-diameter hail very near the to 1515 EST. This event was
Hartford County East Hartford	04	1521EST			0	0	?	0	Thunderstorm Winds
	Man	y large trees v	were blow	n down.					
Tolland County Vernon	04	1531EST			•		9		Hail (0.75)
Vernon	04	1533EST			0	0	?	0	Thunderstorm Winds
	Thur	nderstorm win	ds downe	d many lar	ge tr	ees.			V #
New Haven County Wallingford	04	1725EST			0	0	?	. 0	Thunderstorm Winds
	Man	y large tree li	mbs were	blown dov	vn.				
Middlesex County Haddam	09	1440EST			0	0	?	0	Hail (1.00)
	Hail	measring 1.0	0 inch in	diameter, f	ell ir	a five b	olock a	area.	5 SA P

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons I Injured	D	timated amage rty Crops	August 1992 Character of Storm
CONNECTICUT	Cont	'd							w : + +
	Cont	u							
Fairfield County Monroe Monroe	11 11	1417EST 1421EST			0	0	?	0	Thunderstorm Winds Hail (1.00)
	A th	understorm ble	w down	trees and	broug	ht large	hail to	this co	mmunity.
New Haven County Hamden	11	1440EST			0	0	?	0	Thunderstorm Winds
	Tree	s were blown	down by	thunderst	orm w	inds.			
Fairfield County Bridgeport	11	1525EST			0	0	4	0.	Hail (1.00)
	Polic	e reported car	Window	s broken t	by larg	e hail.			
Windham County Willimantic	11	1530EST		_	0	. 0	?	0	Thunderstorm Winds
	Man Willi	y large trees mantic.	and brai	nches we	re blo	wn dow	n alo	ng Rout	te 203 between Windham and
New London County	a:				V256	* *2		77±10	
Niantic Lebanon Jewett City	11 11 11	1530EST 1535EST 1550EST		1/g 25 7/6	0	0	?	0	Hail (0.75) Thunderstorm Winds Hail (0.75)
	Thun	derstorms blev	v down s	ome trees	and h	rought l	arge h	ail.	
Fairfield County									
Stratford	11	1555EST			0	0	?	0	Hail (0.75)
	Large	e hail occurred	during a	a thunders	torm i	n Stratfo	ord.		
Fairfield County Bridgeport Stratford	11	1556EST- 1610EST			0	0	5	0	Thunderstorm Winds (G59)
	inch	National Weath	evere thu	inderstorn	in Stra	tford real	cordec	l a peak	wind gust of 68 mph and 0.75- ees in Stratford and Bridgeport.
Fairfield County Bridgeport	11	1600EST			0	1	3	0	Lightning
	degre	lt of lightning be burns when to engulfed the ap	the lightn	ing entere	nt buil d thro	ding and ugh a wi	l a ch	ild on th	te second floor received second broke out about 30 minutes later
New Haven County Milford	11	1600EST			0	0	?	0	Thunderstorm Winds
	The 1	ocal police rep	orted sev	veral trees	down	and por	wer ou	itages.	
New London County	4	P P				r and P			
N Stonington	11	1625EST			0	0	4	0	Thunderstorm Winds
DELAWARE	Sever	al large limbs	were blo	wn down	which	knocke	d dow	n power	lines.
Sussex County Greenwood	04 1	600EST			0	0	0		Th January XV. J.
GI CCIIWUUU			200		0	0	0	0	Thunderstorm Winds
	Large	trees were bl	own dow	n.					
Sussex County Bridgeville									

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons I Injured	Da	imated amage ty Crops	August 1992 Character of Storm
DELAWARE Con	t'd								
		1700ECT							
Laurel	04,	1700EST- 1730EST			0	0	0	0	Thunderstorm Winds
		ge trees and la	arge limbs	were dov		_	_	_	
New Castle County	11	1550EST			0	0	3	0	Thunderstorm Winds
	Fire	officials repo	orted trees	and power	er line	s downe	d in the	e northe	ern part of the county.
Sussex County	15 15	0600EST- 1200EST			0	0	0	0	Coastal flood
Sussex County Milton	Pers	sistent northea sed beach and	st winds i dune ero	n a tight pr sion.	ressure	gradier	nt north	of a wa	arm front brought heavy surf that
Millsboro		1500EST- 1630EST			٥	0	3	0	Flash flood
			. 10 1		• .	3.611	_		
	Stat	e Police repor	ted floodii	ng of road	ways 1	n Miltor	and M	lilisboro	o, including a bridge overflowed.
Sussex County 1N Seaford	28	1720EST	0.2	20	0	0	0	0	Tornado (F0)
	Sky	warn spotters	reported :	a tornado.					**
Sussex County 1N Seaford	28	1720EST			0	0	0	0	Hail (1.00)
	Hai	l the size of q	uarters wa	as reported	d by sp	otters.			* - *
New Castle County Odessa	28	1825EST			0	0	0	0	Thunderstorm Winds(G52)
	Sky	warn spotter r	eported 6	0-mph (52	knot)	winds.			
FLORIDA									*
Palm Beach County									
Wellington	01	1435EST			0	0	2	0	Thunderstorm Winds
	Stro	ong thundersto	rm winds	uprooted	severa	l small	trees a	nd blew	down a few traffic signs.
Monroe County	01	1915EST			0	0	0	0	Waterspouts
2 NE Key West		vaterspout was	sighted 3	milaa ma				U	waterspouts
Docata Country	AW	vaterspout was	signieu z	innes no	imeasi	or Key	W CSL.		
Desoto County 38 N Fort Myers	01	1525EST- 1535EST			0	0	0	0	Thunderstorm Winds
	Min	leal aima bail fi	all baises.	:			Variana1		Hail (0.88) abs were blown down.
Name Country	NIC	kei-size naii ie	en oneny	in northea	ast Arc	adia.	severai	tree nn	ios were blown down.
Nassau County 8 NNE Jacksonville	01	1606EST			0	0	0	0	Hail (1.50)
	Mar	ble to golf ba	ll-size hai	l fell brief	fly 1.5	miles s	outh of	Yulee.	
Hillsborough County		,-,			₹V.1				
21 E Tampa	02	1500EST			0	0	5	0	Thunderstorm Winds
	Stro	ong thundersto	rm winds	damaged	carpor	ts and r	oofs or	18 mo	bile homes in Plant City.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	P	umber of ersons d Injured	D	timated amage erty Crops	August 1992 Character of Storm
FLORIDA Cont'd									
DeSoto County 39 N Fort Myers	02	1535EST			0	0	0	0	Hail (0.88)
	Nick	cel-size hail fel	l in nort	heast Arca	dia.				
Seminole County 16 NE Orlando	02	1710EST			0	0	4	0	Thunderstorm Winds
	Seve	ere thunderstor	m winds	downed t	rees as	nd powe	r lines	in easte	ern Seminole County.
Monroe County 3 E Key West	03	1316EST			0	0	0	0	Funnel Cloud
	100000		s observ	ed 3 mile	s east	of Kev	West.	It dissi	pated without touching down.
Volusia County 16 SW Daytona	03	1800EST			0	0	3	0	Lightning
Beach							•		_
Brevard County		tning struck th	e root o	f a garage	housi			irting a	
15 NNW Melbourne	04	1645EST			0	0	5	0	Thunderstorm Winds
	Seve a sch	re thunderstorn nool, and dama	ms wind ged roo	s blew do fs in Rock	wn tre ledge.	es and p	ower	lines, de	estroyed a modular classroom
Brevard County 15 NNW Melbourne	04	1645EST			0	1	0	0	Lightning
	Tra.70	an was struck	hy lightr	ning and in	niured	outside	his ho		9 9
Jefferson County			o,g		.,				ounougo.
S Portion	04	1715EST			0	0	0	0	Thunderstorm Winds (51)
	Wind	ds gusts of 59 downed.	mph wa	s reported	in so	uthern Jo	efferso	n Coun	ty. Tree limbs and power line
Polk County Lakeland	05	1314EST			0	•	0	0	Thursdaystown Winds (62)
Lakeianu						0			Thunderstorm Winds (63)
II:llahamassah Cassats	A in	understorm gu	st to /3	mpn was i	recorde	ed at the	Lake	and Fir	e Department.
Hillsborough County 14 ESE Tampa	05	1323EST			0	0	0	0	Hail (0.75)
¥	Mark	ole-size hail fel	l briefly	in Brando	on.				
Polk County									
Lakeland	05	1330EST			0	0	4	0	Thunderstorm Winds
	Stror fell c	ng thunderstorm on two houses.	n winds	blew the r	oof of	f a build	ing an	d damag	ed several cars. A downed tre
Dade County Miami	06	1145EST			0	4	0	0	Lightning
	Light		argo ves njured.	sel being					ni. Four stevedores in the cargo
Monroe County 5 NNW Key West	06	1150EST			0	0	0	0	Waterspouts
	A wa	terspout was s	ighted 5	miles nor	th nor	thwest o	f Key	West.	
Collier County Naples	06	1320EST			0	0	2	0	Thunderstorm Winds
.e∨ ¹⁹	Down	nburst winds h	lew dow	n several	trusses	s at a bu	ilding	under c	onstruction in Naples.

Location	Time Local/ Date Standard	Path Path Length Width (Miles) (Yards)	Number Person Killed I	s D	timated amage rty Crops	Character of Storm	August 1992
FLORIDA Cont'd							. ** *
Sarasota County 34 NW Fort Myers	06 1410EST		0 1	2	0	Lightning	
	Lightning struck unconscious for	a fireman as he f a short time.	ought a b	laze caused	d by and	other strike. He	was knocked
Hillsborough County Tampa	06 1545EST	indo dovered toos v	0 (-	0	Thunderstorm	Winds
Sarasota County N Portion	06 1610EST	inds downed trees w	o (0	Hail (0.75)	· ·
		was reported near th				2 2	
Hillsborough County Tampa	07 1520EST- 1530EST		0 (0	0	Hail (1.00)	
	Thunderstorm w	inds downed trees w	hich fell b	olocking an	intersect	ion in Tampa.	
Pinellas County 4 W St. Petersburg	07 1557EST		0 (2	0	Hail (0.75) Thunderstorm	Winds
	Marble-size hail	fell and thunderstor	m gusts bl	ew tops of	f trees.		
Hernando County 35 NNE Tampa	07 1615EST	:- 1- 11 1 4	0 (. O.	Thunderstorm	Winds
Pasco County	1 hunderstorm w 07 1623EST	inds blew down tree	s and pow	102	0	Thunderstorm	Winds
Monroe County 4 N Key West	07 1630EST) 0	0	Waterspouts	vv mus
	A waterspout wa	as sighted 4 miles no	rth of Key	West.		* × = 0	
Pinellas County 15 WSW Tampa	07 1633EST		0 (0	0	Hail (1.00)	. , , %
Taylor County	Quarter-size hail	fell at Largo.					
36 W Jacksonville	07 1840EST	inds uprooted a tree) O	0	Thunderstorm	Winds
Dade County		mus uprooted a tree					* '
Miami Beach	07 1900EST	st was struck by ligh	1 (0 walked	Lightning	each (M260)
Monroe County	07 0720EST	st was struck by ligh) 0	0	Waterspouts	
	A waterspout wa	s sighted just west o	of Bahia H	onda State	Park.		
Monroe County 3 NE Key West	09 1238EST			0	0	Waterspouts	
Hernando County		as sighted 3 miles no		7.2		ര	
34 N Tampa	09 1840EST	C.H. '. O. ' TT'H	0 (0	0	Hail (0.75)	
Escambia County	Marble-size hail	fell in Spring Hill.				m cdr.	
Pensacola	10 1500EST		0 () 4	0	Thunderstorm	Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons d Injure	D	timated amage rty Crops	Character o	f Storm	August	1992
FLORIDA Cont'd												
		ng thunderstor shed a parked		uprooted t	rees	one of	which c	rashed in	nto the roo	of of a	house, an	othe
Gulf County 22 E Panama City	10	1530EST			0	0	5	0	Thunde	rstorm	Winds	
	pow	ng downburst er lines, dama vahitchka.	winds kn iged nine	ocked out a homes, fl	store	windo ed two	w and d sheds,	amaged and des	its roof, u	prooted ittle le	d trees, do ague dugo	wne ut ii
Charlotte County 21 NNW Fort Myers	10	1730EST- 1800EST			0	0	5	0	Thunde	rstorm	Winds	
	Thur home	nderstorm wind e and damaged	ds downe d three o	d numerous thers in Pu	trees	s, blew a	a sailbo	at into po	ower lines,	destro	yed one m	obile
Charlotte County Punta Gorda Isles	10	1800EST			0	0	4	0	Thunder Hail (0.5		Winds	
	Thur	nderstorm win	ds damag	ged roofs, s	creer	enclos	ures an	d severa			size hail f	ell.
Brevard County 15 NNW Melbourne	10	1850EST			0	0	0	0	Funnel (Cloud		
		nnel cloud wa	s reporte	d briefly ov	_	ockledg			z dianici y	Ciouu		
Citrus County 51 S Gainesville	11	1800EST			0	0	4	0	Thunder	storm	Winds	
	Stron	ng downburst fell into a ca	winds up r.	rooted two	oak	trees, o	one of v	vhich da	maged the	roof	of a house	, the
Brevard County 5 SSE Melbourne	12	1600EST			0	1	0	0	Lightnin	ıg	5k	
	Light	tning struck as	nd injure	d a 20-year	-old	police c	adet in	Palm Ba	ıy.			
Volusia County 20 W Daytona Beach	12	1620EST			0	2	0	0	Lightnin	g		
	mout	tning struck tw h-to-mouth re- talized in serie	suscitatio	n to his br	and i	5 on L until t	ake Du he para	pont nea medics a	r Deltona.	The	older boy unger boy	gave was
Seminole County 9 N Orlando	13	1815EST			0	0	5	0	Thunder	storm	Winds	
	Sever	re thunderstori on houses.]	ns produ Numerou	ced widespr s homes ha	read o	lamage nor roo	in weste	ern Semi	nole Coun	ty. Tre	es were bl	own und.
Alachua County Gainesville	14	1115EST			0	0	2	0	Lightnin			
	Light	ning struck th	e roof of	the childre	en's v					5		
Marion County 39 SSE Gainesville	14	1325EST			0	1	0	0	Lightnin	σ		383
	Light hospi	ning struck a	a 25-yea	r-old man						T-1	He requ	ired
Polk County	18185	1420EST			0	0	3	0	Thunder	storm	Winds	
	Stron	g downburst v	vinds ble	w a metal s	shed	into a p	ool in V	Winter F	Iaven.	18		

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of rsons Injured	Esti Da Proper	mated mage ty Crops	Character of Storm	August 1992
FLORIDA Cont'd										
Broward County 3 NNW Fort Lauderdale	15	1500EST			0	0	4	. 0	Thunderstorm	Winds
ya .	Thur	nderstorm win	ds blew 1	oof panels	from	one hou	ise into	a neigl	hbor's pool in Co	oper City.
St. Johns County St. Augustine	17	1515EST			0	1	0	0	Lightning	
	Ligh injur	tning struck a	guard sh	ack at the	Grum	man Ai	rcraft	Compan	y. The guard in	the shack was
Volusia County Daytona Beach	17	1926EST			0	0	0	0	Thunderstorm	Winds (52)
Daytona Beach			ind gust 1	o 60 mph		•	-	-	Beach Regional	NAME OF TAXABLE PARTY.
Monroe County			ina gast (о оо шри				2 ,	. Demon Itogramm	· mporu
3 NW Key West	18	1457EST			0	0	0	0	Waterspout	
	A w	aterspout was	sighted 3	miles nor	thwest	of Key	West.			
Escambia County Pensacola	19	1230EST	short		0	0	2	0	Waterspout- Tornado (F0)	
		aterspout move damage.	ed ashore	at west Po	ensaco	la pushi	ng a bo	oat onsh	ore. It dissipated	without doing
Dade County 7 SW Miami	19	1115EST			0	1	0	0	Lightning	
	A 58	8-year-old gol cally injured.	f course	maintenan	ce wo	rker in	a ridii	ng mow	er was struck by	lightning and
Seminole County 11 NE Orlando	20	1834EST			0	0	0	0	Hail (0.75)	
	Marl	ole-size hail fe	ll briefly	in Oviedo	and I	ongwoo	od.			
Monroe County Marathon	21	1155EST			0	0	0	0	Waterspouts	
		ral waterspour 1 in the Keys		eported by	the Co	oast Gua	rd nor	th of the	e Seven Mile Brid	lge along U.S.
Jackson County SW Portion	21	1300EST-								
SW Tortion	21	1330EST			0	0	5	0	Thunderstorm	Winds
	Stron	ng downburst	winds de	stroyed 1	mobile	home a	nd sna	pped of	f 24 trees.	
FLZ018-021 > 023 Broward, Collier, Dade, Monroe Coun	24 24	0325EST- 0900EST	t		15	?	9	9	Hurricane And	lrew
Zuut, Maoin of Collin	Cate south Brow on the and cof st funct have and suffer hours.	gory 4 hurrican Dade. Nurvard County one south. Fifte collapsing root orm damage vitional traffic lexceeded \$25 other marine ared heavy dar	ne caused nerous transition the north een people, walls, while cleating the con- ights, action, a life was nage. Al	I widesprees, powe that collies were kill or falling the ming up do so roadwand crop do very badloout 660,057P)(F12P	ad dan r lines r Cour led as furnitu lebris. rays ar amage y dan 00 cus)(M41	nage to l s, light party on the a direct re. Two Debrised so for was at l aged. tomers	homes poles, he west result enty-siz came rth. In east \$1 Ocean were w	and bus etc wer and to I of the s x others from an all pro billion Reef in vithout p	omestead and Floinesses, with man re downed in man Dade County and storm, mostly from were killed indired auto accidents of perty damage was. The natural reed the extreme up lower for periods P)(M46P)(M49P)	ny destroyed in ny areas from the upper Keys n flying debris ectly as a result related to non- as estimated to f housing coral per Keys also of from a few

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	De	imated mage ty Crops	August 1992 Character of Storm			
FLORIDA Cont'd	l											
Palm Beach County 11 SSE W Palm Beach	24	1530EST			0	0	0	0	Funnel Cloud			
	The	sheriff's dep hing down.	artment	reported	a funnel	cloud	over 1	Boynton	Beach. It dissipated without			
Wakulla County	24	1630EST			0	0	2	0	Thunderstorm Winds			
	Stro	Strong thunderstorm winds blew down trees from Woodville to Panacea and also in Crawfordville.										
Santa Rosa County E Milton	27	1145EST			1	0	0	0	High winds			
	A m	A man logging in the Blackwater River Forest east of Milton was killed when strong winds snapp off the top of a rotted tree and it fell on him. (M410)										
Escambia County 17 NNW Pensacola	2.7	2200EST			. 0	0	2	0	Thunderstorm Winds			
17 MMW Feisacola		ng thundersto	rm winds	downed	1000	l nowe		_				
Escambia County	27	2215EST	III WIIIG	downed	0	1 powe.	0	0	Lightning			
25000000	Ligh		a phone refused	box on v medical h	vhich a t	taxi dri	_	_	ng. He collapsed but regained			
Santa Rosa County 10 SE Pensacola	27	2245EST			0	0	3	0	Thunderstorm Winds			
10 02 10 000	Thunderstorm winds blew over a long section of fence, uprooted several trees, and tipped over a picnic table.											
Monroe County	20	1115EST			•	0	0	•	W-4			
Big Coppitt Key	29	aterspout was	sighted '	10 miles	0 northeast	W .		0 tt Key	Waterspout			
Palm Beach County	A W	aterspout was	signica	io imies i	ioi incasi	OI BIg	Соррг	ıı Key.				
W Palm Beach	29	1430EST	short		0	0	3	0	Tornado (F0)			
	A sn and	nall tornado to ripping down	ouched do signs.	own brief	y in a ma	all park	cing lot	, uproot	ing trees, downing power lines,			
Monroe County Conch Key	29	1710EST			0	0	0	0	Waterspout			
33		aterspout was	sighted 1	l mile so	itheast of	f Concl	h Key.		· · · · · · · · · · · · · · · · · · ·			
Dade County												
Homestead	30	1350EST			1	0	0	0	Lightning			
W C t	A m (M55		hurrican	e relief s	supplies	was str	ruck by	lightni	ng. He died three days later.			
Monroe County 2 NW Key West	31	1045EST			0	0	0	0	Waterspout			
	A wa	A waterspout was sighted 2 miles northwest of Key West.										
GEORGIA									3 2			
Bryan County		4040DCm							u			
8 S Ellabell Ellabell	02 02	1818EST 1830EST		6	0 .	0	?	?	Hail (1.00) Hail (1.75)			
Effingham County Northern Portion	03	1900EST- 2300EST	*	T	0	0	4	?	Flash Flood			

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of ersons I Injured	D	timated amage rty Crops	August 1992 Character of Storm
CEODGIA G.									
GEORGIA Cont'	d								
	of ra	ain fell during	2 hours.	Serious fl	ooding	develo	ped fro	m Egypt	n estimated three to five inches to Shawnee to Kildare. Several ater over them.
Colquitt County Hartsfield Ellenton	04 04	1655EST 1705EST			0	0	3 4	?	Lightning Lightning
		ntning struck a destroyed bot					ninor d	amage.	Lightning struck a tobacco barn
Chatham County Savannah Savannah	05 05	1600CST 1600CST			0	0	3	?	Lightning Thunderstorm Winds
Savailliali			es and li	mbs were	lowner	ď	•		r lines were torn down and over
	3,50	00 customers co-located rac	were left	with servi	ce. D	irect lig	htning	strikes o	lamaged electrical equipment at
Charlton County Folkston	05	1910EST			0	0	?	?	Lightning
Countywide Folkston	05	1915EST			0	0	3	?	Thunderstorm Winds
	Ligh Scat	ntning strikes tered trees an	caused d power	widespread lines were	d pow torn d	er outa own by	ges ov	ver Char winds.	lton County and at Folkston.
Houston County Perry	07	1645EST			0	0	4	?	Lightning
	Ligh	ntning damage	d the roo	f, electrica	al circu	iits, and	l deck	of a hou	se in Perry.
Hall County Southern Portion	09	1400EST			0	0	3	?	Thunderstorm Winds
		w trees and la Power outag							ounty along the Jackson County torn down.
Wilkinson County Gordon McIntyre	09 09	1700EST 1700EST			0	3	?	?	Lightning Thunderstorm Winds
	Stro	ng winds dow ding under a t	ned trees ree.	and limbs	s in M	cIntyre.	Thre	e people	were struck by lightning while
Jones County 7 SE Gray 7 SE Gray	09 09	1740EST 1740EST			0	0	?	?	Hail (1.75) Thunderstorm Winds
Antonio Control Con	Stro	ng winds blev	v down to 18. Pow	ees and la er outages	rge ha	il fell so oped ac	outheas ross th	st of Gran	y at the intersection of Georgia due to lightning strikes.
Crawford County Roberta	09	1755EST			0	0	3	?	Thunderstorm Winds
	Scat	tered trees we	re uproo	ted by the	winds	Time	is esti	mated.	
Bibb County Macon Lizella	09 09	1805EST 1805EST			0	0	4	?	Thunderstorm Winds Lightning
Houston County Warner Robins	09	1805EST			0	0	4	?	Thunderstorm Winds
	Tree a bu	s and power ilding was hea	lines were	e blown do	own by pushed	strong off cer	winds	In Ma 3 feet.	con, a two-story steel frame of

At Lizella, a house was heavily damaged when lighting set it afire.

Location	Date	Time Local/ standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	Es D i Prope	timated amage crty Crops	Character of Storm	August 1992
GEORGIA Cont'	ď									
*	A wit	tree was uproo	ted in W	arner Rob f Warner I	ins and Robins	l fell o	onto a	house. imated fo	About 300 custo or Houston Coun	mers were left
Miller County 3 N Colquitt	10	0230EST			0	0	5	?	Lightning	
Dooly County 2 S Vienna	10	thing destroyers the stroyers of the stroyers	ed a two-	story home	near (Colqui	3	ieorgia i	Thunderstorm	Winds
2 5 Vienniu	Sca	ittered trees we	ere blown ised powe	down acro	oss pov in Vier	ver lin	es alon	g U. S.	Highway 41. L	ightning strikes
Cherokee County 4 NE Acworth	10	1600EST			0	0	3	?	Thunderstorm	Winds
	Sca	ttered tree lin thwestern Cher	nbs were rokee Cou	torn dov	vn alo	ng wit	th pow re block	er lines ked duri	by strong win	ds in extreme
Spalding County Griffin	10	1630EST			0	1	4	?	Thunderstorm	Winds
	dov	vn. One wom	ian was i her sectio	njured wh n of Griffi	en a la n, a ca	arge tr	ee fell extensi	on her ve dama	house. The house the house the house house the	use had major
Chatham County Southeastern Portion	10	1640EST			0	0	3	?	Thunderstorm	Winds
Bryan County	Sev	eral trees were	blown de	own on Sk	idaway	Island	1.			
Keller	10	1710EST	ahad am		0	0	2	?	Thunderstorm	Winds
Chatham County	A	arge tree was p	usned on	to power i	ines ca	using a	an isola	itea pow	er outage.	
Chatham County Southeastern Portion	10	1715EST			0	0	3	?	Thunderstorm	Winds
		eral trees were	blown do	own on Sk		Island	i.			
Gwinnett County	10	1735EST			0	0	4	?	Thunderstorm Small Hail	
	Scat Sma	ttered trees we all hail fell bety	re uproot ween Nor	ed by stron cross and l	ng win Doravi	ds. A lle at 1	few tr	rees fell ST.	onto cars and ca	used damages.
Turner County Dakota	10	1735EST			0	0	3	. ?	Thunderstorm	Winds
	Scat	ttered trees and	power li	nes were b	olown o	lown b	y stron	ng winds	. Power outages	resulted.
DeKalb County Decatur Decatur	10 10	1745EST 1745EST			0	0	3	?	Thunderstorm Lightning	Winds
	Scat		power lii Decatur.	nes were to	•	•	100		Outages resulted.	Lightning set
Fulton County Atlanta	10	1745EST			0	2	?	?	Lightning	
	Ligh	ntning struck tv	vo people	at Hartsfi	eld Int					
Cobb County Smyrna	10	1750EST	•		0	0	4	?	Thunderstorm	Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Pe	nber of rsons Injured	Da	imated amage rty Crops	August 1992 Character of Storm
GEORGIA Cont'	d								
	Scatt	tered large lir	nbs, trees	, and powe	er lines	were de	owned	by stro	ng winds across Smyrna. Utility
T		ruptions occu							
Liberty County Sunbury	10	1800EST			0	0	2	?	Thunderstorm Winds
		rge tree was b s were estima			wer lin	es near S	Sunbur	y in sou	utheastern Liberty County. Wind
Fayette County	gusta	s were estilla	ited to 50	mpn.					
Fayetteville Fayetteville	10 10	1818EST 1829EST			0	0	3	???	Lightning Lightning
Peachtree City Peachtree City	10 10	1845EST 1900EST			Ŏ	Ŏ	?	?	Hail (0.75) Thunderstorm Winds
Fayetteville			c 100+0 11+	rooted by	thund	retorm	_	* *	Peachtree City and Fayetteville.
	Geor	rgia Highway	74 was	plocked by	trees.	Scatter	red pov	wer out	ages developed.
	Ligh anoth wind	her house at	nor dama 1829EST	ge to a h About 2	ouse in ,000 ci	Fayett istomers	eville s were	at 1818 left wi	8 EST and extensive damage to thout power due to lightning and
Worth County Isabella	10	1842EST	0.3	67	0	0	4	?	Thunderstorm Winds
				IIIU	_		201		Small Hail
w . c	three								ofs of several homes, seven trees, Damage costs were estimated at
Harris County Pine Mountain	10	2015EST			0	0	3	?	Thunderstorm Winds
Valley	Seve	ral large tree er outages de	s and linveloped.	ıbs were d	owned	by stro	ng wir	nds at F	Pine Mountain Valley. Scattered
Talbot County 7 NNW Talbotton	10	2025EST			0	0	3	?	Thunderstorm Winds
Talbotton			s and liml	s were do	wned a	long Ge	orgia l	Highwa	y 36 and in Talbotton. Scattered
	outa	ges develope	l after uti	lity lines v	vere do	wned.			,
Floyd County Rome	12	2100EST			0	0	3	?	Thunderstorm Winds
Rome	12 13	2100EST- 0200EST			0	0	5	?	Flash Flood
Rome	13	0800EST- 0200EST			0	0	4	?	Flash Flood
*	Stroi		down tre	e limbs an about 1,80	d push 0 custo	ed then mers.	onto l	ines. Li	ghtning blew out fuses. Outages
	evac	n floods devel uated after the ral vehicles v	neir apart	ment home	nundat es were	ed many e floode	home d. In	s, busin some	nesses, and roads. Residents were areas water rose to up to 3 feet.
Muscogee County Columbus	13	1600EST-					_		Final Final
	Elas!	1730EST	loned ass	r Columb	0	0 soially c	5 war th	? e doum	Flash Flood
	rain deve	fell at the Co	olumbus . ty streets	Airport (C and aroun	SG) be d smal	tween 1 I stream	1500 E s. Ho	ST and mes, b	town area. About 3.50 inches of 1700 EST. Extensive flooding usinesses, and a recreational area p.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons d Injure	I	stimated Damage erty Crops	August 1992 Character of Storm
GEORGIA Cont'	d								
Richmond County Augusta	13	2030EST			0	0	4	?	Flash Flood
rang moun			eral road	s around				= "	A few homes were damaged when
	wat	er rose to near	r 3 feet.	Time is e	stimate	d.			
Washington County Sandersville	13	2220EST			0	0	4	?	Flash Flood
	Flas scho	sh floods deve ool had water	loped ov damages.	er Sanders Area str	sville r eets ar	near Ge	orgia I s were	Highway damageo	88. Several homes and a high
Sumter County Americus	14	0030EST		=	0	0	2	?	Thunderstorm Winds
(a)	A tr	ee was uproot	ed by wi	nds in Am	ericus	and to	re dowr	power	lines. Isolated outages resulted.
Fayette County Fayetteville	16	1530EST			0	0	3	?	Thunderstorm Winds
Tyrone Peachtree City	Scat		nd power	lines wer					derstorm moved across Fayette
Glynn County			umges uc	veropeu.					
Thalmann	16	1530EST			0	0	3	?	Thunderstorm Winds
733 4	dow	eral large trees ned trees; out	s were sna ages deve	apped by teloped. T	he wir he exte	ids. Po	ower lir ding wa	nes were as blown	torn down by the winds and the off a mobile home.
Habersham County 2 E Clarkesville	17	1655EST			0	0	4	?	Thunderstorm Winds Small Hail
5.6.4.	A la	rge tree was i	inrooted	hy strong	winds	and fel	l onto a	house	just east of Clarkesville.
Gwinnett County		go uso	-prootes	o, suong	WIIIGS	und for	ı onto t	· nouse,	just oust of Chirkosymo.
Lawrenceville `	17	1830EST		4	0	0	4	?	Flash Flood
I-D. CC. C		houses wer renceville. W						ocally l	heavy rainfall developed over
McDuffie County Northeastern Portion	17	2315EST			0	0	3	?	Thunderstorm Winds
Columbia County Western Portion	17	2315EST			0	0	3	?	Thunderstorm Winds
	McI	tered trees we Duffie County were torn do	and west	n down fr ern Colum	om G bia Co	eorgia unty.	Highwa Scattere	ay 150 ed powe	to Interstate 20 in northeastern r outages developed when utility
Charlton County 3 E Folkston	18	1815EST		*	0	0	3	?	Thunderstorm Winds
	Stro	ng winds dama	aged a tra	nsformer	and po	ower li	nes nea	r Folkst	on. Scattered outages resulted.
Dougherty County Albany	19	1448EST- 1449EST	Short	10	0	0	3	2	Tornado (F0)
	A sn							? Albany	Only a few trees were damaged
	befor	re the tornado	lifted at	1449 EST	. The	funnel	cloud	totally d	lissipated by 1450 EST.
Rabun County Eastern Portion	20	2015EST			0	0	4	?	Flash Flood
	Afte in ea	r 4.36 inches o stern Rabun C	of rainfall County.	within a 3	-hour	period,	water	covered	a bridge and damaged two roads

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons Injured	D	timated amage rty Crops	August 1992 Character of Storm		
GEORGIA Cont'	d								1 40 H		
	•										
Richmond County Augusta	21.	0005EST- 0300EST			0	0	?	?	Flash Flood		
		vy rainfall ov several roads					ed floo	ding in A	Augusta. Stevens Creek flooded		
Fulton County 10 NW Atlanta	21	1615EST			0	0	4	?	Rainfall		
		entire roof o	f a manu	facturing c	ompan	y collas	sped du	e to the	weight of rainfall that collected		
Tattnall County Glennville Glennville	21 21	1630EST 1630EST			0	0	4 3	?	Flash Flood Thunderstorm Winds		
	Seve	eral homes ha n over Glenn	d extensi ville.	ive damage	es due	to flash	flood	s. Scatte	red trees and limbs were blown		
Douglas County Lithia Springs	21	1650EST			0	0	5	?	Flash Flood		
Cobb County Smyrna Austell	21 21	1650EST 1835EST			0	0	4	?	Flash Flood Flash Flood		
Fulton County Atlanta Sandy Springs	21	1835EST			0	0	5	?	Flash Flood		
	In D Cree Floo hom	ouglas Count ek rose to the ding develop es. In San	y, a car o roofs. ed on Pe dy Sprin	lealership : achtree an gs. floodi	sustain d Nand ng for	ed dama	ages to ks in n	50 vehic	treets in Austell and Smyrna. cles after water from Sweetwater anta and pushed water into area of about 40 people from their		
D 111 C	stret	ches of Inters	state 285,	water ros	e to 5	feet.	anu a	iew road	ds were damaged. Along some		
Rockdale County Conyers	21	2015EST		8- 0	0	0	4	?	Flash Flood		
	Several roads were closed after flood waters rose over Conyers and other sections of Rockdale County. Businesses, homes and vehicles were damaged by the waters.										
Madison County Watsons Mill State Park	23	1140EST- 1600EST			0	0	?	?	Flash Flood		
	The pers	Watson Millisted over Ma	State Padison Co	ark was flounty at the	looded e Ogle	by the	South County	Fork B	road River after heavy rainfall		
Lamar County Barnesville	24	1700EST			0	0	5	?	Lightning		
	Two hom	mobile homes were total	es were s losses.	et afire by	lightn	ing nea	r Barne	esville ju	st off U. S. Highway 41. Both		
Cobb County Austell	27	1330EST			0	0	?	?	Funnel Cloud		
Coweta County Welcome Douglas County	27	1410EST			0	0	?	?	Funnel Cloud		
3 NE Douglasville	27	1428EST	as siahta	d hatusa-	0 Dougl	0 ocville d	?	? hia Spri	Funnel Cloud		
Paulding County		nnel cloud w	as signte	u between		221			20_471 500 L Ventreller 475		
2.5 S Hiram	27	1500EST			0	0	3	?	Thunderstorm Winds		

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of rsons Injured	D	timated amage rty Crops	August 1992 Character of Storm		
GEORGIA Cont'	d								9		
	Mica High	robust winds la	ifted the	roof off on	e mob	ile home	abou	t three m	iles south of Hiram on Georgia		
5 S Hiram 5 S Hiram	27 27	1505EST 1510EST			0	0	?	?	Funnel Cloud Thunderstorm Winds		
	A fu	nnel cloud wa utility poles w	s sighted ere snap	south of I	Iiram.	Strong	wind	s damage	ed a mobile home. A few trees		
Bleckley County Cochran Countywide	27	1517EST			0	0	3	?	Thunderstorm Winds		
County wrac	Scattered trees and power lines were downed by strong winds at Cochran and over Bleckley County. Scattered power outages resulted.										
Twiggs County Southern Portion	27	1550EST	11		0	0	3	?	Thunderstorm Winds		
A OI LIOM	Scatt Twig	tered outages oggs County.	develope	d when wir	nds tor	e down	power	r lines an	nd uprooted trees over southern		
Heard County Roosterville Carroll County	27	1605EST			0	0	3	?	Thunderstorm Winds		
Roopville Tyus	27	1610EST			0	0	4	?	Thunderstorm Winds		
Tyus	Several large trees were uprooted or snapped by winds from Roosterville to around Tyus and Roopville. Several homes and barns were damaged in Carroll County; one mobile home was completely destroyed. About 2,000 residents lost power during the storm after power lines were torn down.										
Coweta County 3 NNW Sargent	27	1615EST			0	0	3	?	Thunderstorm Winds		
	Seve: Whit	ral pine trees esburg and Sa	were si	napped by	strong	g winds	near	the ent	rance of Plant Yates between		
Wilkinson County	27	1615EST			0	0	3	?	Thunderstorm Winds		
	Scatt		leveloped	l when tree	s and	power li	nes w	ere torn	down by strong winds over the		
Crisp County 3 W Cordele Southern	27 27	1615EST 1615EST			0	0	3	?	Thunderstorm Winds Thunderstorm Winds		
Portion	Trees by st	s and power lin rong thunders	nes were form win	downed are	ound C red ou	ordele a	and ov sulted.	er the so	uthern portion of Crisp County		
Oconee County	27	1615EST			0	0	3	?	Thunderstorm Winds		
	Acro	ss Oconee Co	unty, stro	ong winds	downe	d trees a	ınd po	wer line	s. Outages resulted.		
Heard County 10 N Franklin Ephesus	27	1620EST			0	0	3	?	Thunderstorm Winds		
	down	v trees were do led and the win e county lost e	ids tore i	part of the	roofs o	ff a mo	ia Hig oile ho	hway 10 ome and	0. Around Ephesus, trees were a barn. As much as 85 percent		
Jones County 3 W Gray	27	1642EST			0	0	3	?	Thunderstorm Winds		
	Scatte result	ered trees and ted.	power	lines were	torn o	lown by	stroi	ng winds	s just west of Gray. Outages		

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons Injured	Esti Da Proper	mated mage ty Crops	August 1992 Character of Storm			
GEODGE G 41	•											
GEORGIA Cont'd	l.											
Muscogee County Columbus	27	1645EST			0	0	3	?	Thunderstorm Winds			
	Seve of C	eral large tree columbus. Sc	limbs and	d power li ower outag	nes we ges dev	re torn eloped.	down b	y stron	g winds over the eastern portion			
Troup County LaGrange	27	1650EST			0	0	3	?	Thunderstorm Winds			
	Power lines and a few trees were downed by the winds near LaGrange.											
Pulaski County Hawkinsville 4 SE Hawkins- ville	27	1650EST			0	0	3	?	Thunderstorm Winds			
VIIIe	Scattered trees and power lines were torn down by strong winds in Hawkinsville and along U.S. Highway 341. Scattered outages resulted.											
Harris County Waverly Hall	27	1655EST			0	0	3	?	Thunderstorm Winds			
	Scat	Scattered trees were downed by strong winds.										
Chattahoochee County	,	1#0#ECE			•	•						
Cusseta	27	1707EST			. 0	0	2	?	Thunderstorm Winds			
**	Seve	ral large tree	limbs we	re blown	down a	iround	Cusseta	•	*			
Harris County Hamilton Countywide	27	1715EST			0	0	3	?	Thunderstorm Winds			
,	Man arou	Many large tree limbs and power lines were downed by strong winds over Harris County, mainly around Hamilton near Georgia Highway 116. Shingles were blown off a few roofs.										
Floyd County 2 E Rome	27	1525ECT										
2 E Rome	27	1725EST- 1735EST	1.0	50	0	0	5	?	Tornado (F1)			
	A small tornado developed just east of Rome and moved over a generally rural area. The tornado snapped numerous trees about 12 feet above the ground and uprooted trees others along the path. Several houses and fences were damaged by trees. An office trailer was flipped by the winds and landed on four cars. Isolated power outages resulted.											
Crystal Springs Floyd Springs	27 27	1750EST 1750EST			0	0	?	?	Funnel Cloud Thunderstorm Winds			
	A fu Geor	nnel cloud w rgia Highway	as sighted 156. Sca	d near the	Chatte es were	ooga Co e dama	ounty li ged nea	ine just r Floyd	outside of Crystal springs near Springs.			
Fulton County 2 E Roswell	27	1845EST			0	0	3	?	Thunderstorm Winds			
	A fe	w trees were	uprooted	just east o	of Rosv	vell by	strong	winds.	9			
Paulding County Hiram	27	1900EST			0	0	3	?	Thunderstorm Winds			
	Stroi	ng winds pus	shed a lar	ge tree or	nto a h	iouse a	nd pow	er line	s in Hiram. Moderate damage			
Habersham County Tallulah Falls	27	1930EST			0	0	3	?	Thunderstorm Winds			
	Scatt	ered trees we	ere uproot	ed and po	wer lin	es were	e torn d	lown by	thunderstorm winds.			
Harris County 3 ESE Jones	27	1943EST			0	0	?	?	Funnel Cloud			
Crossroads	22.000				W 000		~		AND THE STATE OF T			

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of ersons I Injured	I	stimated Damage erty Crops	August 1992 Character of Storm
GEORGIA Cont'	d								
		nnel cloud wa	s sighted	l near Inte	rstate 1	185			
Muscogee County Columbus	27	1947EST	bigiive		0	0	4	?	Thunderstorm Winds (G50)
	nort dam	hern and easte	rn portion h several	ns of the	city.	A buildi	ng at	the airpo	ound Columbus, mainly over the ort sustained moderate structural out 7,000 residents were without
Harris County Ellerslie Cataula	27	2002EST			0	0	3	?	Thunderstorm Winds
Catama	High the s	winds knock southern portion	ed down on of the	several la county.	rge tree Most o	es and li f the da	imbs a mage	nd cause occurred	d numerous power outages over at Ellerslie and Cataula.
Meriwether County	27	2010EST			0	0	3	.?	Thunderstorm Winds
Pike County Western Portion	27	2010EST			0	0	4	?	Thunderstorm Winds
	18 b	etween Molen	a and Co tern Pike	ncord, a r	nacrobi	urst sna	pped a	ind uproc	ounty. Along Georgia Highway oted trees. Along the path of the red. Most of the power outages
Spalding County Griffin	27	2052EST			0	0	3	?	Thunderstorm Winds
	Scatt	tered trees and	power l	ines were	downe	d by str	ong w	inds arou	and Griffin. Time is estimated.
Taylor County 1 N Reynolds Butler	27 27	2100EST 2130EST			0	0	3	?	Thunderstorm Winds Thunderstorm Winds
	Stron coun Butle	ty around Rey	cked dow nolds an	n several d at Butle	large er. Po	trees ar	nd lim ages d	bs over leveloped	the northeastern portion of the when lines were torn down at
Marion County Buena Vista	27	2130EST			0	0	3	?	Thunderstorm Winds
		winds knock loped.	ed down	a few lar	ge tees	and lin	nbs in	Buena V	Vista. Scattered power outages
IDAHO									
IDZALL Francisco State	01	00003407							
Entire State	01 31	0000MST- 2400MST			0	0	?	8	Extreme Drought
	Idaho the e livest End o Wells comp succe cause	o received no extreme drough tock in order to of August store s were dug and panies and high	measurable to the catego of preventage in the catego in the categories and electrical drought, he hundr	ole rainfall ry of the t overgraze Boise Riv ic pumps charged to Dry forceds of light	Palmer Ing and Per basi Install O const ests and ghtning	the end r Droug d erosio in of sou ed. Fo umers. d grassla g fires	of the ht Indon. Most was ands we to men	month, lex. Ma oved live at Idaho to lel electra forested	of the rain gages in southwestern virtually the entire state was in my Public lands were closed to estock was fed more costly hay otaled just 4 percent of capacity. icity was purchased by power areas were tinder dry from six led by lightning. Modest winds explode into giant firestorms,
Butte County 10 E Arco	01	1940MST			0	0	5	0	Microburst (G61)
LV D MEU	Five office Natio	minutes of wi	d turned	over a tra	ghtning ailer, a	g, or hai	il, ripp	ped the r	oof off of a chemical plant and er signs and lights at the Idaho were no radioactive releases due

Location	Dete	Time Local/ Standard	Path Length (Miles)	Path Width	Numbe Person Killed		Estimated Damage Property Crops	Character of Storm	August 1992
Location	Date	Standard	(Miles)	(Yards)	Killed	injurea	Property Crops	Character of Storm	37

IDAHO Cont'd

IDZ006 West Central Mountains 01 1100MST 0 0 6 5 Dry Heat Winds

The County Line fire 75 miles northeast of Boise (on the boundary between the Boise and Challis National Forests) exploded to 3900 acres between 1100 MST and 2100 MST, creating a huge smoke column that drifted as far east as Wyoming. When the surface based temperature inversion broke at 1100 MST, the temperature rose to 84 degrees and the relative humidity dropped to 16 percent. The fire had been ignited by lightning on July 30th and expanded to 510 acres on July 31. Paul Werth, fire weather meteorologist assigned to the fire from the Boise National Weather Service Forecast Office, observed that the fire activity increased rapidly when the relative humidity dropped below 20 percent. A Haines Index of 6 on August 2nd indicated dry unstable air aloft and the fire expanded to 5300 acres during the afternoon. Some crowning occurred on August 3rd. The fire increased another 2000 acres on August 4th with the Haines Index again at 6 (the highest level of the index). Two smoke columns developed on August 4th, one over Cape Horn Creek and one over upper Fir Creek; the two columns appeared to begin to spiral together for a few minutes and then separate. Cooler temperatures and higher relative humidity moved in on the 5th and allowed the fire to be contained at 8310 acres on the 8th. We further observed that on days with a Haines Index of 5 or 6 that crowning and spotting resulted in large fire growth. The fire approached Highway #21 on August 2nd causing it to be closed to traffic between Lowman and Stanley.

IDZ007 South Central Mountain 03 1300MST 0 7 5 5 Dry Heat Winds

Afternoon winds pushed the Black Ridge Complex of lightning fires from the 250 acre spread attained after ignition on the 2nd to 61,000 acres. Another 44,000 acres burned on the 4th. The fire spread was generally halted on the evening of the 5th at 146,000 acres. Burnouts and minor runs brought the total acreage burned to 179,275 by the time of control on August 8th. The fire complex was located in lava flow grasslands 15 miles south of Craters of the Moon National Monument. Several firefighters suffered dehydration in 105°F temperatures near lava beds.

IDZ006 03 West Central Mountains

1400MST 0 0 6 5 Dry Heat Winds

Weather conditions caused the Cub Creek fire 20 miles north of Lowman in the Boise National Forest on the Middle Fork of the Salmon River to explode on August 3rd to 700 acres in rough rolling topography between 6600 and 8000 feet elevation. Flaming pine cones from the Cub Creek fire were carried one mile by fire convection and winds in association with a Haines Index of 6. When smoke from the Cub Creek fire drifted over the County Line fire on August 3rd, the temperature in the Cape Horn drainage dropped 6 fahrenheit degrees in 20 minutes around 1500MST which quickly diminished the fire activity in that drainage. A request was made for an air portable weather forecast office and meteorologist. The National Weather Service assigned fire weather meteorologist Michael Richmond of Missoula, Montana to the fire. He noted that although the relative humidity at night in the valley fire camp at an elevation of 6,650 feet would recover well with the early morning temperature inversions, that the slopes and ridges had very poor recoveries, sometimes to only 25 percent. Early morning minimum temperatures were in the 30s. The Cub Creek fire was ignited by lightning several days prior to the August 3rd blowup. Fire spread was much slower after August 5th with higher relative humidities. Fire containment at 2910 acres was achieved on the 8th, and control was effected on the 9th.

IDZ007 Sun Valley Area 0 0 6 5 Dry Heat Winds

Lightning ignited the Roe fire near Hailey and Bellevue at 2100MST on August 2nd in Croy Creek Canyon. The next day 25 mph winds expanded the fire from 20 to 5000 acres, swept over the ridgeline into the Wood Valley at 1845MST and jumped the Wood river at 0600MST on the 4th, having consumed 7500 acres and a home in Lee's Gulch. Winds on the 4th gusted at times to 40 mph and carried the fire over an additional 13,500 acres, destroying 2 homes, 2 barns, and 8 outbuildings. Low visibility caused by the smoke Hailey airport was closed. Six hundred firefighters backed up by 3 tanker aircraft and 4 helicopters made a stand to protect Hailey as the fire approached from the southwest out of Colorado Gulch. Governor Cecil Andrus declared a State of Extreme Emergency during the afternoon of the 4th, due to the fire threat at Hailey and elsewhere as 17 major wildfires and 20 minor wildlands fires were burning in Idaho. The Roe fire was stopped on August 5th at 21,000 acres.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		iber of sons Injured	D	timated amage erty Crops	Character of	August 1992
IDAHO Cont'd										
IDZ010 East Central Mountains	04 08	0400MST- 0400MST		R	0	0	0	4	Summer	Freeze
IDZ011 North Central Mountains	06	0400MST			0	0	0	3	Summer	Freeze
	Tem whic	peratures wer h is located in	e at or ju n a high	st below fro basin mead	eezing e low at 6	early mo	orning eet.	gs on the	4th, 5th, 6	th, and 8th at Stanle
IDZ010 East Central Mountains	06	1300MST			0	0	6	5	Dry Hea	t
	The	exception wa	s the Ho	rsefly fire	located	northy	vest o	of Salmon	and just	oaching containmen north of the histori
	mou	ntainous terra	in of the	Salmon Na	tional I	Forest.	Seve	ral crews	of firefig	on July 31 in steep hters were on the fir ough of low pressure
	whic	h seemed to b	e assistir	ig the cont	ainmen	t of the	other	fires, w	as associat	ed with winds on th
	sprea	id to 3060 ac	res on th	e 7th. A	Type-1	team 1	had be	en reque	sted on th	acres on the 6th; an ne 6th. Fire weathe
	airlif	ted with his e	quipment	to the fire	. He qu	iickly s	potted	the low	level "jets	was on the team an tream" evident on th
	The	e and Spokan Horsefly fire	e Rawins was cont	onde obse	rvations 40 acre	s and design on the	irected e 9th	d his init as a prec	ial wind flicted upp	orecasts accordingly er level ridge of hig moved over the fire
IDZALL Statewide	11 15	1200MST- 1900MST			0	0	5	4	Dry ligh	tning
	as wa wildl Porte Look	arm temperate ands fires we or Creek fire it ing Glass fire	res. Ho re contair n norther in northe	wever, mo ned and con n Idaho wh ern Idaho v	ost areas ntrolled nich exp which sp	s were on init erience ootted o	witho ial att d win out of	ut signifi ack. Tw d on the control b	cant winds o exception 12th and 1 etween Sy	tive humidity as wells and forty some od- ons were the 450-acrosome and the 410-acrosome and Kooskia of Type-2 teams.
IDZALL Statewide	18 18	1200MST- 2200MST			0	0	?	?	Lightnin	g
	Some	80 mostly si	mall fires	were igni	ted by o	lry ligh	tning.		0 1	
DZALL Statewide	19 19	0500MST- 2300MST			0	0	?	?	Lightnin	σ
7		over 100 mos	stly small	fires were		10 T	htnin	g.	Digittim	.
DZ006-010-001-005 W Central Mountain E Central Mountain Southwest Highland	ns Is									
Treasure Valley	19 19	1200MST- 1300MST			0	0	4	4	Winds	
	appro were	s increased to eaching upper sufficient to c erge into 7 car	level low ause some	pressure : e lightning	system fires, e	moving special	into y gras	northwes	tern Wash ish fires of	s in response to ar ington. These winds southwestern Idaho
Elmore and Ada		* ₂					•			
Counties	19	1300MST			0	0	5	5	Winds	

Lightning ignited several small fires in northern Elmore County just north of Mayfield. Diurnal winds varied by thunderstorm gustiness fanned the fires causing them to merge into a 6,000-acre bush fire. A home was lost on Chicken Creek. At least 26 head of cattle were killed and many

		Time	Path	Path	Number of	Estimated		August 1992
		Local/	Length	Width	Persons	Damage		· ·
Location	Date	Standard	Length (Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm	

IDAHO Cont'd

calves injured. Outbuildings and ranch structures were lost as well as hay stacks and winter grazing. Easterly evening downslope winds carried the fires out of the Danskin Mountains across 14,000 additional acres to within 6 miles of Boise and it became known as the Foothills fire.

Twin Falls Cour	ity
Twin Falls FSS	``
Cassia County	
Burley FSS	
Minidoka Count	V
Rupert	

19	1355MST	0	0	0	0	Microburst
19	1433MST	0	0	0	0	Thunderstorm Winds (G50)
19	1500MST	0	0	3	0	Thunderstorm Winds

The Minidoka County Sheriff reported a severe thunderstorm just north of Rupert with visibility zero in blowing dust and at least one tree down.

Power County Pocatello Airport
Idaho County Kooskia 12 NE

19	1621MST	0	0	0	0	Microburst
19	1800MST	0	1	3	0	Twisting Wind

A helicopter pilot carrying a bucket of water at the end of a tether to the Lolo Creek fire stated that he was caught in a twisting wind that grabbed the helicopter and wouldn't let go for a couple of minutes, resulting in a hard forced landing. The incident started at about 700 to 800 feet above the intersection of a ridge with a draw.

IDZ008-011-006-010-007-001-005 Central Mountains Southwest Highlands

20 20	1200MST- 2400MST	0	0	6	6	Winds
						Dry Heat

Diurnal upslope winds assisted by sloping topography and very unstable air (the Haines Index was 6) created a huge smoke column over the Foothills fire which tapped into strong southwesterly winds at the 18,000 foot level. The ensuing firestorm consumed 80,000 acres of brushlands and some timber bringing the total acreage to 100,000 acres pushed the Foothills fire northeastward from the vicinity of Boise and Mayfield to the banks of the South Fork of the Boise River; about 300 firefighters were committed to the Foothills fire. Sixteen other major wildlands fires burned actively; the Windy Ridge fire near Hells Canyon in Adams County blew up to 5,000 acres forcing the evacuation of Cuprum.

Boise County 12 E Boise

21 1200MST-21 2400MST 0 0 7 8 Firestorm (G52)

Winds pushed the Foothills fire steadily northeastward after approximately 1200 MST. The fire crossed the South Fork Boise River and advanced through timber to the Middle Fork Boise River. In the late afternoon a cold front moved over the fire and winds shifted to northwesterly. The shift in wind direction formed a new fire front out of the several miles long east flank of the fire which quickly consumed another 130,000 acres of mostly forested land, making the total size of the fire 232,000 acres, with approximately 500 fire fighters assigned. Ambient winds 20 to 30 mph gusted to 45 mph. Higher winds to 60 mph reported by fire personnel near the fire were probably caused by the fire. Turbulence and low visibility in smoke made air tanker aircraft retardant drops ineffective. The fire moved to within 2 miles of Prairie, where homeowners and volunteer fire brigades from neighboring communities successfully directed the fire around Prairie. The citizens of Prairie had already been fighting small fires for two weeks; when the orders came for all persons who didn't have equipment and ability to fight fires to evacuate, practically the entire community elected to stay. Cooler temperatures and higher relative humidities with less wind on the 22nd allowed firefighters to make a more direct assault on the fire. There were almost 3,000 men and women assigned to the fire by August 25th with 56 fire engines, 20 helicopters, 3 air tankers, 6 fixed-wing aircraft, and 13 bulldozers. The fire was divided into three zones for fire suppression purposes with three overhead teams; Gary Bennett and Paul Werth of the Boise National Weather Service Forecast Office provided on-site weather forecasting services as did Bruce Bauck, Fire Weather Meteorologist of the Pendleton, Oregon National Weather Service Office, and Steve Cuoco of the Denver, Colorado National Weather Service Forecast Office. The fire was declared out on September 9th at 257,600 acres after consuming 80 million board feet of timber. Many deer and elk were destroyed

		Time	Path	Path	Number of	Estimated		August 1992
St. 12	1223	Local/	Length (Miles)	Width	Persons	Damage		
Location	Date	Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm	

IDAHO Cont'd

in Idaho standing 186 feet tall in Long Gulch caught fire, however, foresters believed that they had put out the flames in time for the tree to survive. The Foothills fire was the largest fire in the nation in 1992, and the largest forest fire in Idaho since 300,000 acres burned in 1919 on the North Fork of the Clearwater River near Cook Mountain. The cold front effect of creating a new fire front and firestorm, after pre-frontal southwesterly winds had formed a long flank, also occurred on the 161,000-acre Pete King fire in the Selway National Forest (present day Clearwater National Forest) east of Lowell on August 8, 1934. The most grueling days of Idaho's largest known fire, the Big Blowup firestorm of 1910 between Elk City and Wallace, also occurred on August 20-21.

IDZ008-011-006-010-007 **Central Mountains**

1300MST-2100MST 5 **Cold Front**

Fifteen major wildfires other than the Foothills fire burned approximately 24,000 acres mainly in rugged mountain country of the national forests. The Windy Ridge fire moved away from Cuprum and exhibited extreme fire behavior in expanding to 16,000 acres; Roger Buckman, Fire Weather Meteorologist of the National Weather Service Office in Wenatchee, Washington set up an air portable weather forecasting office at the Windy Ridge fire receiving meteorological forecast guidance charts via satellite. The Scott fire in the Nez Perce National Forest exploded to 5,000 guidance charts via satellite. The Scott fire in the Nez Perce National Forest exploded to 5,000 acres in the steep hills and canyons on the north side of the Salmon River 45 miles south-southeast Grangeville; Mike Richmond, Fire Weather Meteorologist from the National Weather Service Office in Missoula, Montana provided on-site weather forecasting to the Scott fire personnel. The Wells fire of the Fairfield fire complex near Featherville (and down wind from the Foothills firestorm) grew to 1600 acres; Mike Johnson of Missoula was on site for weather forecasting duty by 1200MST of the 21st. The Warm Springs fire, 30 miles north of McCall rapidly expanded to 6400 acres. Brenda Graham, Fire Weather Meteorologist of the National Weather Service Forecast Office in Salt Lake City, Utah was flown to the Warm Springs fire. She observed that temperature inversion thermal belts would form in the steep, rugged canyons and that often it was not until somewhere between 1000MST and 1200MST that the inversion would break sufficiently to allow aircraft to operate safely in the vicinity of the fire. The French Creek fire doubled in size from 600 aircraft to operate safely in the vicinity of the fire. The French Creek fire doubled in size from 600 to 1200 acres. Carl Gorski, Fire Weather Meteorologist of the Boise National Weather Service Forecast Office was assigned to the French Creek Fire. He arrived at the fire at 1200MST on the 21st noting that an upper level jetstream had developed and moved over the fire providing extra lift for an unstable atmosphere, and that there was a lower level wind maximum of 25 mph at 9500 feet out of the southwest that morning; major fire runs and huge convective columns were observed on all fires with one column exhibiting a pileus ice crystal cap.

Canyon County 28 W Boise

21 1400MST Windshift

An off-duty National Weather Service forecaster reported winds shifting to the southwest 20 to 30 mph with blowing dust.

Latah County Potlatch

1900PST-1400PST 0 **Heavy Rain** Rain from thunderstorms totalled 2.27 inches. 21 0 0 Microburst

Ada County Garden City

2040MST

IDZ011-007 **Central Mountains**

1200MST 22 2000MST 5 5 Dry Heat Winds

Most of Idaho's 19 major wildfires were less active due to cooler temperatures and higher relative humidities following a cold front passage on the 21st. Two exceptions were the Porcupine fire near the Gospel-Hump Wilderness which doubled in size from 3,000 acres to 6,000 acres, and the Trapper fire in the Sawtooth Mountains which blew-up from 800 acres to 9,000 acres.

IDZ006-011-010-007 **Central Mountains**

0000MST-24 1200MST

0 Snow

								S.C. PHOTE U		500000000000000000000000000000000000000	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons	D	timated amage rty Crops	Character of Storm	August	1992
IDAHO Cont'd											
	77.						c			te le	9 90
	five	to six inches showers in the	s. Snov	v showers	occur	red ab	or snow ove 7,0	and loc 000 feet	okouts on mountait elevation during	n tops rep g the day	with
IDZ006-007-010-012 U. Snake Highlands West, East, and Sou	23 23	0300MST- 0600MST			0	0	0	5	Freeze		
Central Mountains		•0									
and Gem and Ada (Boise	Count 24	ies 0504MST			0	0	0	0	Record Cold		
Doise		050411151			v	•	•	v	Accord Cold		
	back 29, with exte at th 500	to December 1980. Lewiston a closed 556 Inding southwa	1, 1898 on tied the 0 meter 5 ard across order to 5). The old eir record 600MB lov central Id 5720 mete	l record low ter w at 050 laho. T rs along	l was 3 nperatt 00MST he 500 g the N	7°F set are for A in sout MB hei	on August of thern August of the control of the con	et at 34°F. (Mode gust 30, 1965 and of 41°F. The cold lberta with the ax er Idaho ranged fr rder. The associa	tied on A l was associs of the trom 5580 m	ugust ciated rough neters
IDZALL except IDZ0	01	00003467									
Statewide except Treasure Valley	24 26	0000MST- 1200MST			0	0	4	6	Freeze		
	Mag Mou	y the Treasure tic Valley esc intains where to County in t	aped free 16° to 1	ezing as v 9° were e	eezing vell. T xperien	temper he lov ced ea	ratures ovest tem ch mori	on the 2 peratur ning fro	24th and 25th. Ones recorded were om Blaine County	n the 26th in the Ce in the sou	, The entral ith to
Ada County	25	0446MST			0	0	0	0	Record Cold		
Boise	The prev	low temperate	ture of 3 emperatur	4°F tied e for Aug	the rec	ord lowas 41	w temp	erature 1954.	for August set y	esterday.	The
8 W Blackfoot	30	1400MST			0	1	4	0	Air Density		
	A si take	ngle engine a off from a pri	ircraft w vate airst	ith pilot a rip near T	nd four homas	sky-d and cr	iving pa ash land	issenger led. Ea	rs was unable to rrlier flights had b	gain altitud been succes	de on ssful.
IDZ011 North Central Mountains	30	1400MST			0	0	5	5	Winds		
	balls asso com the l Rive	s in connectio ciated with a s plex crews, so Billings, Mont	n with a tationary a Type- cana Nationary	burnout p cold from 1 team wo onal Weath duce the e	orocedu t over the as reque ner Ser- ffects o	re on ne fire ested. vice Of f the sy	the Porquickly Bruce ffice way noptic	cupine carried Thorich s on the scale wi	dropping of flami fire to the north. the fire away fron t, Fire Weather Note team. He noted inds and that synonslope winds.	Erratic v n the Porce leteorolog that the Sa	winds upine ist of Imon
Lincoln County							_	2.2			
Dietrich	31	1755MST			0	0	0	0	Thunderstorm	Winds	:5
	The	sheriff was u	nable to	confirm a	tornado	repor	ted to a	TV sta	tion.		
ILLINOIS											
Lake County Lake Michigan	14	0600CST-									
•		00000000	•	•	•	•	•	^	***		

Several waterspouts were spotted over Lake Michigan near Zion and Waukegan at 0605 CST and near Winnetka at 0712 CST.

Waterspout

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		aber of sons Injured	Estim Dan Property	age	August 19 Character of Storm
ILLINOIS Cont'd									
Henderson County Gladstone	25	1809CST			0	0	?	?	Thunderstorm Winds
	The by the	Emergency S hunderstorm v	ervices I winds.	Director for	Hend	erson C	ounty r	eported	trees and power lines down
Champaign County Mahomet	26	1346CST			0	0	0	0	Hail (1.75)
McLean County Towanda	26	1433CST	0.1	10	0	0	0	?	Tornado (F0)
		rief tornado ices Agency.	caused m	inor agricu	iltural	damage	as rep	orted	by Mclean County Emerger
Saline County	27	0940CST			0	0	0	0	Flash Flood
		y rain resulte east of Galat		et flooding	in Ha	rrisburg	. Police	e report	ted water covering Route 34
INDIANA									
Kosciusko County 3 SE Nappanee	03	1240EST	Short	5	0	0	3	0	Tornado (F0)
	A sn Cou	nall tornado to nty. There w	ouched do	own briefly minor dama	1.5 m	iles sou a barn.	th of Co	ounty R	load 13 in northwest Koscius
3 S Nappannee	03	1240EST			0	0	0	0	Funnel Cloud
	A fu 19.	nnel cloud wa	s reported	l by the stat	te polic	e 3 mile	es south	of Nap	oppanee, just east of State Ro
Clunette	03	1258EST			0	0	0	0	Funnel Cloud
	A fu	nnel cloud wa	as reporte	d by the sh	eriff a	t Clune	tte.		
Elkhart County 4 N Nappanee	03	1300EST	Short	5	0	0	0	0	Tornado (F0)
	A sn was	nall tornado to no damage.	ouched do	wn briefly	at the j	unction	of State	Route	19 and State Route 119. Th
6 NE Nappanee	03	1315EST	Short	5	0	0	3	0	Tornado (F0)
	A sn mino	nall tornado to or damage to a	ouched do a barn, ar	own briefly ad a buggy	at Cou	inty Ro	ad 46 a ver.	nd Cou	nty Road 11. There was so
Kosciusko County	03	1354EST			0	0	0	0	Funnel Cloud
2 4	A fu	nnel cloud wa	s reporte	d by the sh	eriff n	ortheast	of Syr	acuse n	ear U.S. Highway Route 6.
Clark, Floyd, Harrison, Jackson, Jefferson, Jennings, Lawrence, Scott, and Washington	08	0700EST- 1400EST			1	0	7	7	Flash Flood
Counties	Near	ly stationary	thunders	torms prod	luced	torrentia	al rains	over	portions of south central a

Nearly stationary thunderstorms produced torrential rains over portions of south central and southeast Indiana during the morning, with three to thirteen inches of rain falling in a 6-hour period. Widespread flash flooding occurred in Scott, southwest Jefferson, extreme southern Jennings, central Lawrence, southern Jackson, northeast Washington, and northern Clark Counties.

Flood damages affected 339 homes and more than 20 businesses were extensively flooded. Thirty-two houses and mobile homes were completely destroyed or washed away. Over 200 people were evacuated. Conrail had 65 miles of railroad tracks washed out. Numerous roads were washed out and local bridges washed away. A landside, with boulders the size of cars closed a local road near Hanover. In Scott County, Interstate 65 was flooded by 4 feet of water from Stucker Fork. Local stream rises of 30 to 35 feet occurred in northern Clark and southwest Jefferson Counties. In Scott County, one man was swept away and drowned while attempting to wade across a flooded road east

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	Dar	nated nage y Crops	Characte	A of Storm	ugust 1992
INDIANA Cont'd											
INDIANA COIL U											
		Scottsburg.			.,,	100000000000000000000000000000000000000			v 1	a .	
*	of 9 0345 rain and time	automated rain .70 inches of 5 EST and con stopped for a continuing unit span. Durin 1.60 inches	rain for stinued un short per il 0915 E g one 15	this event. ntil 0515 F riod, with ST. An ir -minute pe	At the EST, we torrent credible criod 0.	is locat th 2.50 ial rain e rain a 90 inch	ion, head inches beginn mount of the second contract of the second c	avy rain of rain ing bety of nearly ain was	n began falling ween 06 y seven recorde	between 03: during this p 00 EST and inches fell in ed. Near the	30 EST and beriod. The 0615 EST, this 3-hour e end of the
	Rain Cou	nfall of over nty, up to this	ten inche teen inch	s was rec	orded was re	near De ported.	eputy ir (M280	weste	rn Jeffe	rson County	. In Scott
Jackson, Jefferson, Jennings, Scott,	08 10	1400EST- 1900EST			0	0	5	5	Flood		
Washington, and Lawrence Counties	Majo Aust Jack	h flooding that or channels of tin by evening son County. er near Deputy	the Mus g. Exten A U.S. C	catatuck R sive river Jeological	liver fil floodii Survey	lled quid ng occur gaging	ckly, ar rred alo station	nd cause ong the on the	Muscat headwa	e backwater atuck River	flooding in in southern
Green County Owensburg	27	1330EST			0	1	0	0	Light	ning	
	A m	an who was v	vorking o	n a truck	in a ga	rage wa	s injure	ed when			ightning.
Perry County 3 S Doolittle	30	1800EST			1	0	0	0	Light	ning	
Mills		an who was in ne ground. (M		couting for	deer v	vas kille	ed when	lightni	ng hit tl	ne tree and k	nocked him
IOWA		• ,							*		
O'Brien County	0.7	0220000						•	T . T.	•	
Sanborn	07	0330CST	,		0	. 1	3	0	Light		
	Sant	nderstorms moorn. One per se and blacker	rson was	injured.	The ligh	tning b	lew the	electric	cal outle	ts off of the	walls in the
IAZ025-026-037- 049	07 08	1800CST- 2100CST			0	0	4	4	Flood		e
Central Iowa	raint Iowa	ough the weat fall event caus a on the 7th shalltown. Th	ed some and 8th	flooding. Over t	One to	two in	ches of l in th	rain fe e Iowa	ll over 1 River	orth central basin just	and central upstream of
Grundy County Reinbeck	10	0738CST			0	0	4	3	Thun	derstorm W	inds (G50+)
Buchanan County Rowley	10	0755CST			0	0	3	3	Thun	derstorm W	inds (G50)
	Very degr alon dow	y humid and rees in advance g the cold from ned in Reinber ther storm pro	of an ap at in north ock by or	proaching neast Iowa ne of the	cold fi Gust stronge	ront. A winds a r storm	small l nd smal s as the	line of i Il hail w Ine n	atures wintense to rere connoved the	vere between hunderstorm nmon. A fev nrough Grun	a 70 and 80 as developed trees were ady County.
Humboldt and Mitchell Counties	13	1315CST			0	0	0	0	Cold	Air Funnel	
	A co	old pool of air	aloft res	ulted in th	e form	ation of	numer	ous cole	d air fur	mels over pa	arts of north

Number of

Estimated

3

Path

Path

Time

1606CST

1620CST

1620CST

1655CST

25

August 1992

Thunderstorm Winds (G75)

Thunderstorm Winds (G52)

Thunderstorm Winds (G54)

Thunderstorm Winds (G50+)

12	44	Local/	(Miles)	Width		sons	L	amage	sur st sees
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Prope	erty Crops	Character of Storm
IOWA Cont'd									
20 1112 00110 0	au.	. 1.7	6.1						
	-cen	trai lowa. N	one of the	em ever to	ouched o	iown, a	na no	other se	vere weather was reported.
Fayette County									
Öelwein	25 25 25 25 25	1300CST			0	0	4	4	Thunderstorm Winds (G59)
Maynard	25	1300CST			0	0	4	3	Thunderstorm Winds (G50+
2 NE Arlington	25	1307CST			0	0	4	3	Thunderstorm Winds (G50+
Elgin	25	1315CST			0	0	4	4	Thunderstorm Winds (G61)
Clayton County									
Elkader	25	1319CST			0	0	4	3	Thunderstorm Winds (G50+
Farmersburg	25	1330CST			0	0	4	3	Thunderstorm Winds (G52)
Garnavillo	25	1330CST			0	0	4	3	Thunderstorm Winds (G50+
McGregor	25 25 25 25	1402CST			0	0	4	3	Thunderstorm Winds (G56)
Marquette	25 25	1405CST			0	0	4	3	Thunderstorm Winds (G50+
3 S McGregor	25	1410CST			0	0	3	3	Thunderstorm Winds (G50+
Tama County									
Dysart	25	1415CST			0	0	4	3	Thunderstorm Winds (G52)
Davis County									
	100000000000000000000000000000000000000				1170001		V-7-17-11		The second secon

A very slow moving cold front was sinking southeast across Iowa. The reason for the slow movement was the blocking action of Hurricane Andrew. Moisture was in good supply, as the remains of Hurricane Lester were streaming over the state. Sunshine destabilized the atmosphere during the afternoon. As the cold front, with the contribution of a couple upper level weather systems, pushed into the unstable air, thunderstorms erupted. Most of the storms were below severe levels. The storms were of the pulse nature. Severe reports were scattered, and limited to wind damage. Many areas reported trees and power lines down. Early severe reports came in from Fayette County. Winds gusted to 68 mph in the Oelwein, causing damage in the city. Winds gusted to around 70 mph in the Elgin area, causing damage to out buildings around the city. Several cities in Clayton County reported damage, more than indicated in this report list. As the storm moved out of Clayton County, the last report of high winds came from south of McGregor. High winds were reported later from the Wisconsin side. The most significant damage occurred in Davis County at Drakesville. High winds ripped the roof off of a house there as one of the pulsing storms collapsed.

Floyd County Charles City

Drakesville

Abingdon

Jefferson County

Dubuque County Dubuque Airport

Downtown Dubuque 25

27 1230CST 0 0 0 Cold Air Funnel

Unseasonably cold air aloft swept over Iowa during the day. Following the passage of an upper level weather system, solar heating resulted in a destabilization of the atmosphere. Scattered showers developed, and as it typical of this type of synoptic weather pattern cold air funnels were reported from some of them.

IAZ002>011-013> 054-056>064-070> 078-080>099-SDZ018-ILZ004-NEZ010 All of Iowa 01 0000CST-31 2400CST 0 0 0 8 Cold Weather

Temperatures for the month of August averaged 6 degrees below normal. It was the coldest August in 120 years. Coupled with the cold weather of the entire summer, the summer of 1992 went into the record books as the coldest summer since 1915, and the second coldest on record. The cold weather caused slow maturation of the corn and soybean crops. Reports indicated that approximately 5% of the crop was lost due to the cold. Bean pods were not filling properly and much of the corn had "beer bottle syndrome". Damage was in the \$150 to \$200 million range in corn, and \$100 to \$125 million in soybeans.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons Injured	D	timated amage rty Crops	Character of Storm	August	1992
KANSAS											
Seward County 25 NE Liberal Rawlins County	02	0041CST			0	0	0	0	Hail (0.75)		
3 SW Atwood	03	0530CST			0	0	3	0	Thunderstorm	Winds	(G55)
Russell County Russell Airport	03	0720CST			0	0	4	4	Thunderstorm	Winds	(G52)
Barton County Albert Great Bend Edwards County	03 03	0728CST 0755CST			0	0	4	4	Thunderstorm Thunderstorm	Winds Winds	(G52) (G52)
10 N Kinsley	03	0755CST			0	0	0	0	Thunderstorm	Winds	(G50)
Pawnee County 3 N Belpre	03	0755CST			0	0	0	0	Thunderstorm	Winds	(G60)
	Win	d speeds of 60	0 knots ar	nd higher	moved	a 10,00	0-pou	nd comb	ine backwards 25	yards.	
Lincoln County 5 SW of Sylvan Grove	03	0803CST			0	0	4	4	Thunderstorm	Winds	(G52)
Givic	Seve	ere thundersto	rms cause	d high wi	nds.						
Russell County Southern Side of Lak Soline County	03	0804CST			0	0	4	4	Thunderstorm	Winds	(G52)
Saline County Gypsum	03	0840CST- 1050CST			0	0	4	4	Flash Flood		
	Hear	vy rains cause	d some f	lash flood	ing in 1	he Gyps	um a	rea.			
Reno County Haven	03	0915CST			0	0	2	0	Thunderstorm	Winds	(G52)
	Thu	nderstorm wir	nds estima	ted at 60	mph n	oved a	combi	ne in a f	ield near Haven.		
Elk County Moline 1 S Elk Falls 9 N Howard Chautaugua County	03 03 03	1124CST 1125CST 1125CST			0 0	0 0 0	4 4 3	0 0 0	Thunderstorm Thunderstorm Thunderstorm	Winds (G50+)
Hale	03	1130CST			0	0	3	0	Thunderstorm	Winds (G50+)
Wilson County New Albany	03	1130CST			0	0	3	0	Thunderstorm	Winds (G50+)
Montgomery County 9 W Independence Independence	03 03	1145CST 1148CST			0	0	4	0	Thunderstorm Thunderstorm	Winds (Winds	G50+) (G65)
Airport Coffeyville	03	1157CST			0	0	4	0	Thunderstorm	Winds (G50+)

A line of thunderstorms intensified over Elk and Chautauqua Counties and produced damaging winds in some spots as they moved east toward Independence and Coffeyville. In Moline, trees were damaged and an electric pole was broken off; and tin was ripped from a hay barn southeast of town. Feed bins were blown over, trees uprooted and a power pole was knocked down south of Elk Falls. A pole barn was destroyed north of Howard. A mobile home had minor damage and a car was smashed when a large tree was uprooted at New Albany. Nearly 3.00 inches of rain flooded small creeks and closed several country roads south of Fredonia.

The worst and most concentrated damage was done in an area from west of Independence, southeast across the Independence Airport and into Coffeyville. Twelve barns were destroyed in that swath. Several grain bins were damaged, a camper trailer was rolled, several electric poles were downed, and several homes had roof damage. A wind gust was measured at 75 mph at the Independence Airport, and a hangar had several sheets of metal blown off.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	Es D Prope	timated amage rty Crops	Character of Storm	August 1992
				200 200	D40218AIII					310140000000000000000000000000000000000
KANSAS Cont'd										
Wilson County 5 S Fredonia	03	1230CST			0	0	4	4	Flash Flood	
Cloud County Rice Eastern Portion	04 04	1933CST 1940CST-			0	0	4	4	Hail (1.50)	
Aurora Aurora Miltonvale Clay County	04 04 04	2035CST 1949CST 1949CST 2005CST			0 0 0	0 0 0	4 4 4	4 4 4 4	Flash Flood Hail (1.50) Thunderstorm Thunderstorm	Winds (G61) Winds (G61)
Clay Center	04	2010CST			0	0	4	4	Thunderstorm	Winds (G52)
Ottawa County 5 W of Oak Hill	04	2020CST			0	0	4	4	Hail (1.00)	
	Hear	vy rains caused	d flash flo	ooding in	the Ric	e, Auro	ra an	d Milton	vale areas.	
Decatur County		2420 CCT					32-1			
10 N Oberlin 4 E Oberlin	04 04	2120CST 2133CST			0	0	4	4	Hail (1.75) Hail (1.75)	
4 E Oberlin Oberlin	04 04	2133CST 2134CST			0	0	4	4	Thunderstorm	Winds (G52)
4.2 N Oberlin	04	2147CST			ŏ	Ŏ	5 5	4	Hail (1.75) Hail (2.75)	
4.2 N Oberlin Sheridan County	04	2147CST			0	0	5	4	Thunderstorm	Winds (G61)
Selden Decatur County	04	2205CST			0	0	5	4	Hail (4.00)	
Dresden	04	2212CST			0	0	4	4	Hail (1.75)	
	The	Decatur Coun	ty fair su	stained sig	gnifican	t storm	dama	ge and h	ad to be cancelle	d.
Sheridan County					74. 200			22.00		
Hoxie Gove County	04	2230CST			0	0	4	0	Hail (0.75)	
Gove	04	2300CST			0	0	5	3	Hail (4.00)	
	Soft	ball-size hail b	roke win	dows and	windsh	ields in	and a	round th	e city.	
Grainfield Thomas County	04	2310CST			0	0	4	4	Hail (1.75)	
Gem	04	2310CST			0	0	5	5	Hail (1.00)	
	The	hailstorm laste	d nearly	1 hour an	d did c	onsider	able d	amage.		
Gove County										
10 S Gove 9 NW Gove	04 04	2330CST 2335CST			0	0	3 4	4	Hail (0.75) Thunderstorm	Winds (G61)
Lane County 5 E Shields	04	2350CST			0	0	3	4	Hail (0.75)	
Gove County 10 SE Gove	05	0001CST			0	0	3	3	Thunderstorm	Winds (G52)
Ness County 15 SE Ness City	05	0005CST			Q	Q	3	3	Thunderstorm	Winds (G52)
2 E Beeler Grant County	05	0030CST			0	0	3	3	Thunderstorm	Winds (G52)
Ulysses Stevens County	06	1920CST			0	0	0	0	Hail (1.00)	*
3 N Hugoton	06	1945CST			0	0	0	0	Thunderstorm	Winds (G55)
	A tel	lephone pole w	as blown	down.						
4 N Hugoton	06	1945CST			0	0	0	0	Thunderstorm	Winds (G65)
, e	A sn	nall barn was r	eported t	o be blow	n dowr	1.				
Rawlins County 9 E Atwood	06	2128CST			0	0	3	4	Hail (0.75)	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		amber of ersons d Injured	D	timated amage rty Crops	August 1992 Character of Storm
KANSAS Cont'd									
Decatur County									
5 W Norcatur	06 Th	2202CST			0	0	4	3	Thunderstorm Winds (G52)
	The	high winds c	aused car	s and truci	ks to s	way on r	ugnwa	ays in the	e area.
Norton County Norton	06	2225CST			0	0	4	0	Thunderstorm Winds (G57)
Phillips County Prairie View Phillipsburg	06 06	2312CST 2320CST			0	0	4	3	Thunderstorm Winds (G57) Thunderstorm Winds (G61)
FB		high winds c	aused nov	ver outage	e and		tree li		1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
Elk County	THO	mgn wmus v	ausea pov	voi oumgo	o anu	RHOUROG	1100 11	mos.	
2 SE Fall River	08	0500CST			0	0	4	0	Lightnig
	Ligh	tning set two	fires near	Fall River	r. Ah stinth	ome and	pole l	barn burn	ned to the ground. A hay truck,
3 S Fall River	08	0500CST			0	0	4	0	Lightnig
Hamilton County Syracuse	08	1655CST			0	0	0	0	Hail (0.75)
Logan County 12 S Russell Springs	08	1903CST			0	0	4	4	Hail (1.75)
Scott County 2 S Scott Lake	08	2330CST	×		0	0	4	4	Hail (0.75)
2 S Scott Lake Wallace County	08	2330CST			0	0	4	4	Thunderstorm Winds (G52)
3 NW to 1 W Weskan	10	1457CST- 1505CST	3.1	25	0	0	4	4	Tornado (F0)
Finney County	corn	eak tornado m fields. The ng Weskan.	tornado	oss open co moved tow	ountry vard tl	with dan ne south	naged and li	limited to	o some irrigation equipment and th of the railroad tracks before
12 N Kalvesta Lane County	10	1755CST			0	0	0	0	Hail (1.00)
3 NW Healy 3 NW Healy	10 10	1822CST 1822CST			0	0	3	3	Hail (0.75) Thunderstorm Winds (G52)
Finney County Holcomb	10	1825CST		2	0	0	0	0	Hail (1.00)
Grant County Ulysses	10	1827CST			0	0	0	0	Hail (1.00)
Finney County 6 E Garden City	10	1834CST			0	0	0	0	Hail (0.75)
Garden City	10	1834CST			0	0	0	0	Hail (1.00)
Garden City Grant County	10	1834CST			0	0	0	0	Thunderstorm Winds (G61)
4 SE Hickok Haskell County	10	1900CST			0	0	,0	0	Hail (1.00)
4 NW Satanta Ford County	10	1905CST			0	0	0	0	Thunderstorm Winds (G55)
Dodge City Airport	10	2047CST			0	0	0	0	Thunderstorm Winds (G55)
Cowley County Strother Field	11	0125CST			0	0	4	0	Thunderstorm Winds (G50+)
Strother Field	11	0150CST-				7			
ev.		0400CST			0	0	4	0	Flash Flood

Thunderstorm winds overturned and damaged two small airplanes and downed a large tree at Strother Field. A deluge of nearly four inches of rain in about an hour resulted in pooling of water in a 300- by 50-yard area on the airstrip. The water was nearly 3 feet deep in places, and 1 to 2 inches of water flooded the airport terminal building.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons Injured	E I I Prope	stimated Damage erty Crops	August 1992 Character of Storm
KANSAS Cont'd									
Kingman County									
Kingman	11	0240CST- 0400CST			0	0	3	0	Flash Flood
	Run Kin	off from three	inches o	of rain flo	oded	and clo	sed U	.S. High	away 54 at four places west of
Sumner County Perth	11	0315CST			0	0	3	0	Flash Flood
	Run	off from rainfa	ll of thre	e to five i	nches	flooded	sever	al county	roads around Perth.
Republic County 10 W of Bellevill	13	1955CST			0	0	4	4	Hail (0.75)
Rawlins County 20 NW Atwood	13	2005CST			0	0	0	0	Tornado (F0)
20 1777 1207000	A si		tornado	dipped or	aly bri				open country with no damage
18 NW Atwood	13	2012CST			0	0	0	0	Tornado (F0)
	The	weak and sma	all tornad	o dipped	very b	oriefly	to the	ground	again in open country with no
	dam	age reported.	8						•
Jewell County 1 E of Lovewell	13	2142CST			0	0	4	4	Hail (0.75)
Lovewell Lake Lovewell Lake	13 13	2145CST 2145CST			0	0	4	4	Hail (1.00) Thunderstorm Winds (G56)
Republic County Courtland	13	2201CST			0	0	4	4	Hail (0.75)
Cloud County Jamestown Glasco	13 13	2222CST 2240CST	d.		0	0	4	4	Hail (0.75) Hail (0.75)
	Seve	re thunderstor	ms dropp ell Lake.	ed large	hail ar	nd caus	ed hig	gh winds	that damaged trees and broke
Gove County	(#E)			*					
Western Portion	31 01	1100CST- 0300CST			0	0	5	5	Flash Flood
	near after be as	the town of 0 noon until arous wide as 0.25	Orion with and midni mile at ti	th is west ght causin mes. The	of Go g cree rains	ks and knocke	l sout stream ed out	h of Grin is in the a power ar	tern half of Gove County mainly nnel. The rains fell from late area to overflow their banks and ad damaged summer fallow and looding they could remember.
KENTUCKY	5.12								
Carroll County	08	0740EST- 1000EST			0	0	4	4	Flash Flood
	Seve	ral streets were	flooded	in Carroll	ton an	d a few	small	creeks,	outside of town, flooded fields.
Christian County Hopkinsville Fairview	08 08	0735CST 0740CST			0	0	3 2	0	Thunderstorm Winds Thunderstorm Winds
	Thur	derstorm wind	s downed	l trees and	powe	r lines	in Hoj	pkinsville	e, and tore limbs out of trees in
Todd County	08	0815CST			0	0	3	0 ,	Thunderstorm Winds
-	Trees	s were uprootenty.	d by thu	nderstorm	wind	s to the	e nortl	heast of	Sharon Grove in eastern Todd

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Per Killed	ber of sons Injured	De	imated mage ty Crops	Character of Storm	August 1992
KENTUCKY Cont	'd									
Trimble and Henry Counties	08	0835EST- 1135EST			0	0	5	4	Flash Flood	
	Stor dam	ms carrying h	eavy rair In Trimb	swept the le County,	ough th	e regio	on, was	shing out ere comp	t roads, tearing pletely destroyed	out bridges and I by high water.
Owen County	08	0900EST- 1030EST			0	0	4	0	Flash Flood	
		nerous creeks age to proper		vestern po	rtion of	the co	ounty 1	ose out	of their banks,	causing minor
Jefferson, Shelby, and Oldham Counties	08	1030EST- 1230EST			1	0	5	4	Flash Flood	
	Mar Lou	ams out of the shall died who	eir banks en she tri our city b	s and flood ed to drive locks repo	ded road throughted as i	ds and h high nuch a	under	passes. under a	Fifty-one-year- viaduct in Loui	nany creeks and old Willie Mae sville. In south Many buildings
Shelby County	08	1145EST			1	0	0	0	Lightning	
	Four (M1		, Jeffery	Wathern	was str	uck an	d kille	d by lig	thing while h	anging tobacco.
Trigg County	08	1515CST			0	0	0	2	Hail (0.75)	
	Hail	was reported	about 3	miles east	of Cadi	z. Th	e hail d	lestroyed	some crops.	4
Muhlenberg County	09	1600CST			0	0	0	0	Flash Flood	
	Two	inches of renville.	ain from	slow mo	ving th	unders	storms	flooded	low-lands and	city streets in
Fayette County Trigg County	10 10	0730EST 1250EST			0	0	0	0	Hail (1.00) Thunderstorn	n Winds
	Tree	s and power	ines wer	e blown do	own.					
Caldwell County	10	1335CST			0	0	5	0	Flash Flood	
	A re	cord setting d	ownpour sites. In c	dumped fi	ve inchesidents	es of ra	ain in a evacua	n hour's ted as w	time at Princetater edged into	on. Roads were their homes.
Todd County	10	1245CST			0	0	3	0	Thunderstorn	n Winds
	Thu	nderstorm wir	ds uproc	ted trees b	etween	Trento	n and	Guthrie.		X
Muhlenberg County	10	1450CST			0	0	0	0	Flash Flood	, , ,
	Heav	vy rains flood	ed city st	reets in Ce	entral C	ity and	l a few	rural co	ounty roads.	
Jessamine County	10	1550EST			0	0	3	0	Flash Flood Thunderstorn	n Winds
261	Tree	s were blown	down so	uth of Law	rencebu	ırg. H	leavy ra	ins floo	ded several cree	ks and streams.
Mercer County	10	1600EST			0	0	3	0	Thunderstorn	n Winds
	Seve	eral trees were	blown d	lown.						
Gallatin and Grant Counties	10	1645EST			0	0	5	4	Thunderstorn Flash Flood	n Winds
	D	ago to Galleti	- Country	E.		o onato		ion of th	o county Troop	

Damage to Gallatin County was confined to the eastern portion of the county. Trees and wires were downed in Glencoe. One tree fell on a house and another fell on a car. Several roads were closed by high water. In Grant County, trees were blown down throughout the county. One tree fell on the corner of a house and a pickup turck was also damaged by a downed tree. Several crops were destroyed by high wind.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Nu Pe Killed	nber of rsons Injured	Es D Prope	stimated Damage erty Crops	August 1992 Character of Storm
ZENDUCKY C	.49.3								
KENTUCKY Cor	ıt'a								ACCIONAL AND
Scott County	10	1730EST			0	0	3	0	Thunderstorm Winds
		es were blown	down in	Georgeto			22	2.0	
Jessamine County	10	1900EST			0	0	4	. 0	Flash Flood
		vy rains forced	stream	s out of th			loode		
Pulaski County	14	2243EST			0	0	4	6	Thunderstorm Winds Hail (2.00)
	the	ng thunderstor county. Many and \$1.5 millio	trees an	d power lii	nes wer	e blown	dowr	1. Dama	homes in the western portion or ge estimates to crops alone were ff.
Bell County Bell County	14 14	2325EST 2331EST	ti.		0	0	0	0	Hail (1.00) Thunderstorm Winds
	Ken	tucky State Po	lice rep	orted trees	were	blown	down.	One to	ree fell on a home just east o
Lound Country		2340EST			0	0	4	0	Thunderstorm Winds
Laurel County	14 T	es were blown	dovem 6	milaa aant			4	·	Thunderstorm winds
Dodrootlo County	14	2345EST	down o	mues sout	U 01 TY	опцоп. О	3	0	Thunderstorm Winds
Rockcastle County	\$ 17.5	es were blown	doven 5	miles west				U	Thunderstorm winds
Bell County	15	0000EST	down 3	imies wesi	0	. veino	п. З	0	Thunderstorm Winds
Den County		es and power li	mag 1110#	o bloum de	7.		4.77		
Leslie County	15	0002EST	nes wer	e blowii de	0 0	o O	3	0	Thunderstorm Winds
Lesne County	15=50 15=0		dayyın 41.				3	U	i nunderstorm winds
Haulan Cauntu		s were blown	down in	Toughout t	ne com	ııy.			
Harlan County	15	0005EST- 0015EST			0	0	2	0	Thunderstorm Winds
	Tree	s were blown	down no	ortheast of	Harlan				
Greenup County	27	1630EST			0	0	2	0	Flash Flood
	Heav	vy rains floode	d streets	in the Ra	celand	and Fla	twood	ls areas.	
LOUISIANA									*
Calcasieu Parish									
Lake Charles	01	1604CST			0	0	3	0	Thunderstorm Winds Lightning
	Ligh	tning struck a	Lake Cl	narles hom	e; the 1	resulting	g fire	caused al	bout \$600 damage.
West Carroll Parish Darnell	06	0445CST			0	0	0	0	Thunderstorm Winds Hail (0.80)
*	A th	understorm pro	duced r	nickle-size	hail in	Darnell	1.		11an (0.00)
Claiborne Parish 5 N Sharon 3 E Lisbon	10	1648CST			0	0	?	?	Thunderstorm Winds Hail (1.00)
3 00		understorm ble les east of Lish		numerous	s trees	5 miles	north	of Share	on and produced 1.00-inch hai
Union Parish					<u>ş</u>				
2 W Conway	10	1759CST			0	0	?	?	Thunderstorm Winds Hail (1.50)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	De	imated image ty Crops	August 1992
Locator	Date	OMITANTA	(1/21100)	(24140)	Illion	Angel eu	11000	у сторо	
LOUISIANA Con	t'd								
10 N Farmerville 6 NE Farmerville	10 10	1810CST 1830CST			0	0	?	?	Thunderstorm Winds (G50) Thunderstorm Winds Hail (1.00)
2 SW Litroe	10	1840CST			0	0	?	?	Thunderstorm Winds
	mile	tered thunders s southwest of of Conway a	Litroe.	Hail meas	suring 1	.00 to 1	.50 in	es 10 m ch in dia	iles north of Farmerville, and 2 meter hail was reported 2 miles
Caddo Parish Blanchard	10	1300CST			0	0	4	?	Thunderstorm Winds Lightning
	Blan	tning struck chard. It too er and a metal	k firemen	a half he	our to e	xtinguis	Petro h the	oleum C blaze. A	ompany pumping facility near A fiberglass tank containing salt
Acadia Parish	10	1800CST	0.1	15	0	0	3	0	Tornado (F1)
Rayne						bila ba	-		
117 D. 1.1	A SI	nall tornado to	ook the re	011 110	om a mo	onie noi	me ne	ar Kayne	·
Winn Parish Atlanta	11	0206CST			0	0	0	0	Thunderstorm Winds Hail (0.80)
	A th	understorm bl	lew down	several t	rees and	l produc	ed nic	kle-size	hail in Atlanta.
Cameron Parish 1 N Cameron	11	1545CST	0.1	15	0	0	0	0	Tornado (F0)
		Cameron Par eron.	rish Sheri	iff's Offi	ce repo	rted a s	mall	tornado	in open country just north of
Jefferson Parish West Lake	13	0540CST			0	0	0	0	Waterspout
Pontchartrain		aterspout was	sighted n	ear the C					Section and the Area of the Areas
LAZ008-009-010-	25	1600CST-						_	
012-013-014	26 26	1200CST 1200CST-			6	65	9	9	Hurricane Andrew
St. John Baptist	27	2400CST							Tropical Storm Andrew
2 E La Place to 4 NW Reserve	25	2010CST- 2020CST	9.0	150	2	32	7	6	Tornado (F3)
Iberville Parish Indian Village St. Tammany	26	0142CST	1.0	20	0	0	4	?	Tornado (F1)
5 N Lacombe to	26	0825CST-	140	20		•			m 1 (E4)
4 N Covington Pointe Coupee	26	0845CST	14.0	20	0	0	4	?	Tornado (F1)
Ventress St. Tammany	26	0927CST	1.0	20	0	0	3	?	Tornado (F1)
Mandeville	26	1430CST	1.0	20	0	0	3	?	Tornado (F1)
Morehouse Parish 1 W Beekman to	26	1430CST-							
Stevenson	26	1435CST	2.0	50	0	3	5	?	Tornado (F1)
Union Parish 1 W Marion	26	1500CST	0.5	20	0	0	0	?	Tornado (F0)
5 SW Point	26	1517CST	2.0	20	ŏ	4	0 4	ż	Tornado (F1)
Madison Parish 4 E Tallulah	26	1810CST	0.5	20	0	0	0	0	Tornado (F0)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		aber of sons Injured	Da	imated mage ty Crops	Character of Storm	August 199
LOUISIANA Cont	'd									
LOCIDIAIN COM										
Tangipahoa										
1 W Tickfaw to Loranger	26	1815CST	7.0	20	0	0	5	?	Tornado (F1)	
Madison Parish										
4 SE Tallulah	26	1900CST	0.5	20 40 40	0	0	0	0	Tornado (F0)	
Mound	26	1900CST	1.5	40	0	0	4	?	Tornado (F1)	
15 SW Tallulah	26	1904CST	1.5	40	0	0	4	?	Tornado (F1)	
Franklin Parish										
10 E Winnsboro	26	1920CST	1.5	40	0	0	0	?	Tornado (F1)	

Hurricane Andrew made landfall about 24 miles west-southwest of Morgan City at 0230 CST Aug 26, 1992 as a weakening Saffir Simpson Category 3 hurricane with maximum estimated winds 126 mph near the eye. Andrew continued to lose strength rapidly as it moved inland. At 0600 CST, the center of Andrew was 12 miles east-southeast of Lafayette; highest winds were 96 mph (Saffir Simpson Category 1). Andrew was downgraded to a tropical storm about 1200 CST when its center was near Angola; estimated maximum winds were about 60 mph. During the 8-hour period prior to landfall, Andrew's circulation interacted with land causing it to rapidly lose strength. The 5- to 8-foot NVGD storm tide produced by Andrew during this period was partially due to the nearly parallel course Andrew took as it approached the central Louisiana coast. Andrew's most devastating effects were primarily felt in the following parishes: St. Mary, Iberia, St. Martin, Lafourche, Terrebonne, and St. John the Baptist. A survey conducted by the American Red Cross indicated that over 23,000 homes were damaged by Andrew. An estimated \$1 billion damage was done to private property. Agricultural looses were estimated to be about \$289 million; the most severely affected crops were sugar and soybeans. The fishing industry suffered a \$266 million loss when Andrew caused a massive fish kill. About 240 oil and gas platforms received about \$200 million in damages. Thus, even in its weakening stage, Hurricane Andrew produced about \$1.76 billion dollars in damages in Louisiana. Due to the large scale evacuation of an estimated 1.3 million people in southeastern and southcentral Louisiana, the deaths directly attributed to Hurricane Andrew were low. The bodies of six fishermen were recovered in the Gulf of Mexico by the Coast Guard about 5 days after Andrew made landfall. Andrew spawned 14 tornadoes; the majority of them were weak and brief in duration. A strong tornado produced on the outer edge of Andrew killed two people in Reserve during the evening of August 25, 1

Gulf of Mexico: Two-hundred-forty oil and gas production platforms were damaged over an 85-mile-wide area off the central and southeast Louisiana coast according to the U.S. Mineral Management Service. Estimated losses amounted to \$200 million. The U.S. Coast Guard found the bodies of six crewmen from the fishing vessel <u>Lucky Lee</u> floating in the Gulf of Mexico about 5 days after Andrew made landfall. The Coast Guard rescued four people from the 65-foot <u>Night Stalker</u> that floundered in high seas and strong winds about 50 miles south of Houma around 1030 CST on August 25, 1992. (M26O) (M30O) (M32O) (M33O) (M44O) (M??O)

Mississippi River: Two ocean going freighters, the Formosa Three and the Probo Hawk, were run aground near Vacherie. Two towboats, the MV Harvison and the Jolly Jack, foundered and sank near St. Francisville while attempting to retrieve breakaway barges; 10 crewmen were rescued. The Mississippi Queen steamboat evacuated 250 passengers at Baton Rouge around 0900 CST on August 26, 1992 because it was having difficulty in remaining at its berth and due to break away barges in the Mississippi River.

Atchafalaya River Basin to Bayou Lafourche: An upwelling of bottom sediment rapidly depleted oxygen in these basins and along the shallow coastal waters of Terrebonne and Lafourche Parishes. An estimated 187 million freshwater fish were killed in the Atchafalaya River basin and along Bayou Lafourche. Nine million salt water fish and a large number of oysters were killed in the shallow coastal waters of Terrebonne and Lafourche Parishes. Total losses to the fish and wildlife industry were estimated to be \$266 million.

St. John the Baptist Parish: A strong tornado moving rapidly west on an intermittent 9-mile path through Laplace and Reserve between 2010 CST and 2020 CST, killed two people and injured 32. Both fatalities, a 2-year-old girl and a 63-year-old man, occurred in their Belle Pointe subdivision homes in Reserve. A joint damage survey conducted by the St. John the Baptist Office of Emergency Preparedness and National Weather Service indicated that 66 homes and 33 mobile homes were destroyed; 56 homes or mobile homes sustained moderate damage; and 130 homes or

		Time	Path	Path	Number of	Estimated		August 1992
		Local/	Length (Miles)	Width	Persons	Damage		
Location	Date	Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm	

LOUISIANA Cont'd

mobile homes had some minor damage. Twenty-five businesses were either destroyed or sustained moderate damage. This includes the River Parishes Hospital which had its roof damaged by the tornado and had to be evacuated. Seven public buildings including two schools were damaged. Estimated damages to homes and mobile homes were \$6,726,250; businesses, \$3,428,500; public buildings, \$1,957,500. Agricultural losses to the sugar crop were \$1 million, and \$100,000 to the soybean crop. (M63H) (F02H)

Lafourche Parish: A 5.6- to 6.2-foot NGVD storm tide washed away about 500 feet of LA1 below Leeville and about 75% of LA3090 (Port Fourchon Road). Estimated damages to Port Fourchon including rebuilding LA3090 were \$2,200,000. Approximately 20 homes and 32 mobile homes were destroyed; 154 homes and 66 mobile homes had moderate damage; 589 homes and 68 mobile homes received minor damage. The bulk of this damage was in the south part of the parish especially in the towns of Golden Meadow, Leeville and Port Fourchon. Nicholas State University in Thibodaux suffered a \$1 million loss when strong winds damaged 28 roofs which allowed wind driven rain to soak the interior of these buildings.

Terrebonne Parish: A 5- to 7-foot NGVD storm tide inundated the towns of Cocodrie, Pointe aux Chenes, Montegut, Dulac, and Chauvin. The Louisiana University Marine Consortium in Cocodrie was inundated by 5 feet of water; in addition, it sustained major wind damage when strong winds blew in heavy plate glass windows. The Grand Caillou and Montegut elementary schools were flooded by storm tides. Approximately 255 homes and 547 mobile homes were destroyed; 1,726 homes and 290 mobile homes sustained moderate damage. Strong winds did an estimated \$1 million damage to 201 bed L. J. Chabert Hospital in Houma when part of the roof was torn off and wind driven rain soaked the interior; 70 patients were evacuated. In addition, several businesses in Houma sustained heavy wind damage. Andrew caused an estimated \$350,000 to Terrebonne Parish schools; three schools needed major roof repairs. Forty percent of the Isles Dernieres barrier islands were destroyed by Andrew according to the Louisiana Geological Survey.

St. Mary Parish: A 7- to 8-foot NGVD storm tide flooded unprotected areas of this parish. Non National Weather Service standard anemometers at the Morgan City Steam Plant and at the Berwick Fire Station measured sustained winds of 96 mph with gusts between 112 to 124 mph around 0305 CST on August 26, 1992. Wind damage was most severe in Morgan City, Berwick, Patterson and Franklin areas; 477 homes and 890 mobile homes were destroyed; 1,394 homes and 634 mobile homes received major damage; 3,970 homes, 652 mobile homes, and 148 apartments sustained minor damage. In Morgan City, Fairview and Lakewood hospitals had major wind and rain water damage. The Franklin Foundation Hospital sustained an estimated \$350,000 in damage. Twenty-six St. Mary Parish schools were damaged for an estimated loss of \$2.6 million. Berwick High School that was being used as a last resort shelter for 2,000 people, lost its roof during the height of the hurricane. Louisiana Power and Light Company said that 102 miles of transmission lines and 300 electrical towers were blown down by Andrew between Morgan City and New Iberia. Total property damage was \$150 million.

Iberia Parish: A non National Weather Service anemometer in Jeanerette measured sustained winds of 80 mph with gusts to 90 mph. Damage consisted of 100 homes, 305 mobile homes, and 2 apartments were destroyed; 457 homes, 325 mobile homes, and 1,745 apartments sustained major damage; 2,767 homes, 539 mobile homes, and 220 apartments received minor damage. The towns of Jeanerette, New Iberia, and Loreauville received the bulk of the wind damage. Both the Jeanerette and New Iberia high schools which were being used to shelter 3,600 people lost their roofs during Andrew. Two people at the Jeanerette high school suffered heart attacks and were hospitalized in stable condition. While enroute to the hospital one of the heart attack victim's ambulance and its escorting firetruck became trapped on a road by strong winds and fallen trees for over an hour before they could be rescued by road crews. One of the trees hit the fire truck, injuring a fireman who was hospitalized. Damage consisted of \$125 million in property and \$200 million in sugar crop. A 33-year-old electrical utility worker was electrocuted around 1240 CST on September 3, 1992 in New Iberia.

St. Martin Parish: Fourteen homes and 27 mobile homes were destroyed; 47 homes, 52 mobile homes, and 9 apartments sustained major damage; 418 homes, 125 mobile homes, and 3 apartments received minor damage. Wind damage was concentrated in the towns of St. Martinville, Catahoula, Henderson, Coteau Holmes, and St. John. Eight businesses were destroyed and over 300 were damaged in this parish. \$600,000 loss occurred when the St. Martin Sugar Cooperative in St. John was destroyed. An automotive dealer in St. Martinville had four large plate glass windows and the entire front show room wall blown in. \$250,000 damage was done to 16 St. Martin parish schools.

		Time	Path	Path	Number of	Estimated	August 1992
		Local/	Length (Miles)	Width	Persons	Damage	
Location	Date	Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm

LOUISIANA Cont'd

Assumption Parish: Two homes and 4 mobile homes were destroyed; 6 homes and 20 mobile homes sustained major damage; 79 homes and 4 mobile homes received minor damage. The towns of Pierre Part, Napoleonville, Paincourtville, and Plattenville received the bulk of the wind damage.

Vermilion Parish: Fourteen homes, 27 mobile homes were destroyed; 47 homes, 58 mobile homes, and 9 apartments sustained major damage; 418 homes, 125 mobile homes, and 3 apartments received minor damage. Most of the wind damage occurred in the towns of Abbeville and Delcambre. Two schools sustained roof damage and a warehouse of the Vermilion Parish School system amounting to \$23,134 in damage. Property damage was estimated to be \$975,000.

Lafayette Parish: A National Weather Service standard anemometer measured sustained winds of 55 mph and gusts of 74 mph at the Lafayette airport between 0557 CST to 0652 CST on August 26, 1992. Nine homes and ten mobile homes were destroyed; 14 homes and 10 mobile homes sustained major damage; 43 homes and 13 mobile homes received minor damage. Most of the wind damage was confined to the towns of Lafayette, Broussard and Carencro. Sixty-two people received minor injuries from flying debris during the hurricane. There was one traffic fatality which occurred early on August 26, 1992 at a traffic intersection. Estimated property damages were \$17,250,000.

Iberville Parish: Nine homes and 22 mobile homes were destroyed; 55 homes, 27 mobile homes, and 2 apartments sustained major damage; 313 homes, 618 mobile homes, and 7 apartments received minor damage. Most of the wind damage was concentrated in the towns of White Castle and Bayou Goula. About \$100,000 damage was done to the parish public schools. The White Castle high school lost its roof. A small, brief tornado occurred in Indian Village around 0142 CST on August 26, 1992. Some \$2.7 million in property and \$10 million in crop damage occurred in this parish.

Ascension Parish: One home and two mobile homes were destroyed; 9 homes and 7 mobile homes received major damage; 88 homes, 10 mobile homes, and 10 apartments sustained minor damage. Most of the wind damage was concentrated in the Donaldsonville area. Louisiana Power and Light Company said strong winds toppled 11 steel electrical towers near Donaldsonville. About \$5 million damage was done to the sugar cane crop and \$700,000 damage was sustained by 35 businesses.

East Baton Rouge Parish: The National Weather Service Office at Baton Rouge measured 48 mph sustained winds with gusts of 70 mph between 1000 CST and 1030 CST on August 26, 1992. Eight homes, 2 mobile homes, and 13 apartments were destroyed; 62 homes, 2 mobile homes sustained major damage; 100 homes, 1 mobile home, and 4 apartments received minor damage. Most of the wind damage was concentrated in the Baton Rouge, Zachary areas. The Louisiana State University School of Music received about \$50,000 in damages when it lost its roof to strong winds. Estimated property damages were about \$700,000.

West Baton Rouge Parish: A non National Weather Service standard anemometer at Brusly Landing measured sustained winds at 96 mph. One home and 8 mobile homes were destroyed; 12 homes, 9 mobile homes, and a apartment received major damage; 112 homes, 18 mobile homes, and 5 apartments sustained minor damage. The majority of the wind damage was in the Brusly Landing, Addis areas. A 37-year-old Addis man was injured when he fell off his roof while attempting to make emergency repairs around 0700 CST on August 26, 1992.

Pointe Coupee Parish: Two homes and 8 mobile homes were destroyed; 17 homes; 10 mobile homes and 1 apartment sustained major damage; 119 homes, 16 mobile homes, and 23 apartments received minor damage. About 300 trees and 30 power poles were blown down. Most of the wind damage was concentrated in the New Roads, Livonia areas. Fifty businesses sustained damage. A small tornado occurred in Ventress around 0927 CST on August 26, 1992. Estimated property damage was about \$5 million.

Livingston Parish: Two homes and 6 mobile homes were destroyed; 4 homes and 3 mobile homes sustained major damage; 9 homes and 10 mobile homes received minor damage. Most of the wind damage was concentrated in the Denham Springs area. Four schools had minor roof damage. A 34-year-old Denham Springs man was electrocuted from a fallen wire while cleaning debris in his yard about 0900 CST August 29, 1992.

St. Helena Parish: One mobile home was destroyed; 3 homes and 2 mobile homes sustained major damage; 1 home received minor damage. Most of the wind damage occurred near Montpelier. About \$3 million damage was done to timber.

Time Path Path Number of Estimated August 1992
Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

LOUISIANA Cont'd

St. Tammany Parish: Two homes were destroyed; 7 homes and 1 mobile home sustained major damage; 10 homes received minor damage. Two fast-moving small tornadoes were spawned by Hurricane Andrew. The first tornado damaged several homes along an intermittent path that began 5 miles north of Lacombe and ended 4 miles north of Covington between 0825 CST and 0845 CST on August 26, 1992. The second tornado took off the roofs of several homes near Mandeville around 1430 CST. There was some storm tide flooding in Mandeville and Slidell. Several businesses near the Mandeville lakefront were flooded with up to a 1.5 feet of water; in addition, the Mandeville seawall was damaged by high waves. A few homes in the Palm Lake subdivision in south Slidell had some minor flood damage. A barge broke free from its moorings on the Tchefuncte River and was lodged against the Tchefuncte River draw bridge in Madisonville; fortunately, the bridge received only minor damage. Some \$1 million in property damage occurred in this parish.

Tangipahoa Parish: Newspaper accounts indicate that two mobile homes were destroyed, and three homes suffered major damage. The Tangipahoa Sheriff's Office reported a small, fast moving tornado was responsible for some of this damage along an intermittent path from Tickfaw to Loranger around 1815 CST on August 26, 1992; in addition, some 300 trees were blown down. Two people were injured when they drove into a large fallen tree in Hammond. A cafe lost its roof and a car wash was destroyed in Pontchatoula. Strong winds blew down a radio tower near Independence. Only a few homes were flooded in Tangipahoa Parish even though 10.00 to 11.00 inches of rain were reported in Hammond, Robert and Amite.

Plaquemines Parish: The National Weather Service automated C-Man Station at the Southwest Pass of the Mississippi River recorded sustained winds of 67 mph with gusts of 77 mph around 1600 CST on August 25, 1992. One home was destroyed; 6 homes and 1 mobile home sustained major damage; 2 mobile homes received minor damage. A 62-year-old man was killed in his vehicle near Empire while evacuating during the afternoon of August 24, 1992; 2 other people were injured in this accident.

St. Bernard Parish: One home and mobile home was destroyed; 1 home and 3 mobile homes sustained major damage; 4 homes and 1 mobile home received minor damage due to strong winds. A 6-foot NGVD storm tide flooded roads outside the federal hurricane protection levee.

Jefferson Parish: One home and 23 mobile homes were destroyed; 3 homes and 5 mobile homes sustained major damage; 17 homes and 8 mobile homes received minor damage. Most of this damage was confined to Grand Isle where the National Weather Service automated C-Man recorded sustained winds of 58 mph and gusts to 77 mph at 1600 CST on August 25, 1992.

St. Charles Parish: Five homes sustained major damage; 35 homes and 5 mobile homes received minor damage. Most of the wind damage was concentrated in the Luling and Hahnville areas.

Morehouse Parish: A brief tornado moving rapidly west from Beekman to Stevenson destroyed a mobile home, did major damage to another home, and minor damage to 6 homes around 1430 CST on August 26, 1992. Three people received minor injuries when the mobile home was destroyed near Beekman.

Union Parish: A tornado blew down a few trees just west of Marion around 1500 CST on August 26, 1992 according to police. A second tornado blew down some trees and rolled over a mobile home injuring four people 5 miles southwest of Point at 1517 CST

Madison Parish: Four brief tornadoes were reported in this parish. Two occurred in open country east and southeast of Tallulah. A tornado heavily damaged a barn, rolled over a farm tractor, and caused minor damage to four homes near Mound around 1900 CST on August 26, 1992. Another tornado did minor damage to two homes 15 miles southwest of Tallulah at 1904 CST

Franklin Parish: A tornado blew down many trees 10 miles east of Winnsboro at 1920 CST on August 26, 1992 according to the Franklin Parish Office of Emergency Preparedness.

MAINE

Aroostook County Presque Isle

31 1242EST-1348EST

0 0 ? 0 Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	Est D Prope	timated amage rty Crops	August 1992 Character of Storm
				.50					
MAINE Cont'd									3
	were	eral large trees e downed by ng the early at	high wind	ds associat	ity incl ted wit	uding o	one at t derstor	the cornerns that	er of Church and Dudley Streets rolled through northern Maine
MARYLAND and	DC			9			*		0)
Prince Georges County Camp Springs	04	1400EST				0	0	0 ,	Thunderstorm Winds (G60)
	A 60	knot wind gu	ıst were ı	ecorded a	t the N	ational	Meteo	rologica	l Center in Camp Springs.
Prince Georges County 2E Fort Foote Villag	04	1410EST	2.0	75	0	0	0	0	Tornado (F1)
2D Port Poote Vinag		eak tornado fo	llowed a	2 mile lon	g W-E	path f	rom th	e bank o	of the Potomac River to 2E Fort
	Foot	e Village. Da	mage wa	s confined	to tree	s in he	avily v	wooded a	areas.
Prince Georges County	04	1415EST	0.1	10	0	0	4	0	Tornado (F0)
1ESE Friendly				*					
	Two	flight instruction hed down brie	tors at P	rince Geo amaged a	rges A hangar	ir Park and an	airpo airpla	rt (1ESI ne.	E Friendly) saw a tornado that
Prince Georges County	04	1420EST			0	0	3	0	Thunderstorm Winds
Calvert County	04	1425EST			0	0	3	0	Thunderstorm Winds
	were havii Site	blown down ng 2-3 foot dia	IS Oxon I ameter tru te Village	Hill. Seve inknownno e. Two ho	ral dov owns u	nburst prooted	wind o	channels e heavil	ashington. About a dozen trees were seen, with numerous trees y wooded Fort Foote Historical dland were slightly damaged by
	In Ca outag	alvert County: ges.	numerou	is trees we	re dow	ned, so	me fal	ling onto	power lines, resulting in power
Anne Arundel County Deale Lothian	04	1445EST- 1450EST			0	0	4	0	Thunderstorm Winds (G62)
20than	dowr	rgency Manag ned in the sout s of 60-70 mp	hern part	of the cou	fice rep	orted n rees blo	nany la ocked a	rge oaks number	and other trees and power lines of roadways. Spotters reported
Talbot County Tilghman Island Wittman	04	1520EST			0	0	3	0	Thunderstorm Winds
	Ches	same thunders apeake Bay ar felled, and a	nd blew d	own trees	across	roads	at Til	ghman Is	inty moved eastward across the sland. At Wittman, large trees
Washington County	11	1330EST			0	0	0	0	Hail (0.75)
200° 13° 1	Hail	that was 3/4 is	nch size f	ell briefly	in Hag	gerstow	'n.		H
Cecil County Charlestown Perryville		1455EST			0	1 .	-	0	Lightning
1 cm j vine	Light	tning struck a	summer	home ne	ar Cha	rlestow	n, des	stroying	the building and its contents.

Damage was estimated at \$75,000. An adjacent house was damaged by the heat from the fire; two boats in that house's yard were damaged when the heat melted their plastic covers. At Perryville, a man was apparently hit by lightning that came through a closed window and ignited furniture.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Pen	ber of sons Injured	Estin Dan Property	nated nage Crops	Character of Storm	August 1992
MARYLAND and	DC (Cont'd								
Anne Arundel County Baltimore/Washingto International Airport	n	1500EST			0	1 .	0	0	Turbulence	
	A Bo	eing-747 mad lence near the	le an eme airport;	ergency la	anding on was	at Biltn injured	nore W in the t	ashingto urbulen	on International A	Airport due to
Montgomery County	11	1500EST			0	0	0	0	Thunderstorm	Winds
	EOC	officials repo	rtd trees	downed a	t severa	l place	s count	ywide.		
Baltimore County	11	1537EST			0	1	0	0	Lightning	
	A 17 coun		was inju	red when	struck	by ligh	tning in	a park	ring lot in the sou	th part of the
District of Columbia	11	1545EST			0	0	3	0	Thunderstorm	Winds
	Trees	s were blown tree fell onto	down at n several ve	nore than chicles.	20 loca	tions, n	nostly i	n NW,	according to DC	OEP officials.
Anne Arundel County	11	1615EST		9	0	0	0	0	Thunderstorm	Winds
	Trees	s and large lin	abs blown	down at	several	places	in the	souther	n end of the coun	ty.
Charles County Waldorf	11	1635EST			0	0	0	0	Thunderstorm	Winds
, , , , , , , , , , , , , , , , , , , ,		derstorm Win	dss knock	ced down	(=)	trees.				
St. Marys County										
Patuxent River Naval Air Station	11	1705EST			0	0	0	0	Funnel cloud	
		ed States Navy	weather	observers			Ţ.,			
Worcester County	15	0600EST- 1200EST			0	0	0	0 .	Coastal flood	3
	Persi	stent NE win	ds in a tiposion to the	ght pressi ne barrier	ire grad	dient no	orth of	a warn	front brought h	eavy surf and
Wicomico County										
Salisbury	27 27	1415EST- 1430EST	**		0	0	0	0	Thunderstorm Hail (1.00)	Winds
	trees	calized downby had trunknow a TV meteoro	vnnowns 2	the SE par 2-3 feet in	rt of the	city ble eter. O	ew dow	n and u hail al	prooted trees and so occurred. Th	shrubs. Some e report came
Howard County 1SE Glenelg to 1W West Friendship	28	1600EST 1610EST	3.5	100	0	2	6	3	Tornado (F1)	1.
	Andr slight torna sever rolled	ew, ran north tly injured 2SS do was at its al houses wer d over and des	ward alor W West I widest (1 re damage stroyed; n	ng an inte Friendship 00 yards ed, some numerous	rmitten when and a heavily trees w	t path the tree for the tree fo	hrough ell onto eatest in reations wned; a	largely their hontensity al vehice and corn	rom the remains rural areas. Two ouse, collapsing the (F1) here. In the le and its attache of the fields were flatte on a downed trans	o people were ne house. The ne same area, d trailer were ned. Most of
Howard County	to					Ð				
2N West Friendship Carroll County		1/207507	3						*	
2ENE Sykesville	28 28	1620EST- 1630EST	2.5	50	0	0	0	3	Tornado (F0)	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of ersons I Injured	Da	mated mage ty Crops	August 1992 Character of Storm
MARYLAND and	DC	Cont'd							:
WAKI LAND and									
	torn	ado just north	of I-70, and a few	through last corn field	gely w	vooded a	reas in	a path	oward County dropped a smaller 20-50 yards wide. Damage was f the storm was plainly evident.
Anne Arundel County Fort George G.	28	1632EST	0.1	10	•		•	Δ.	Tomada (F0)
Meade		ateur radio spo	0.1 otters rep		nado a	0 at Fort N	leade.	0	Tornado (F0)
Anne Arundel County 7SW Annapolis	28	1615EST	0.1	5	0	0	0	0	Tornado (F0)
, D, (, , , , , , , , , , , , , , , , ,		ter reported a			177				2011111110 (20)
Baltimore County	-P-				-pomor				
Glenn Martin Airport	28	1653EST			0	0	0	0	Thunderstorm Winds (G50)
Baltimore County	20	1033131			v	v	U	U	Thunderstorm Winds (G50)
Baltimore City,	20	1/55000					•	•	
Sparrows Point	28	1655EST	1		0		·	0	Waterspouts
	Fran	cis Scott Key same storm pr	Bridge re	ported a wa	aterspo	ut near	Sparrov	vs Poir	nd Toll-bridge personnel at the it a short while later. Apparently
Dorchester County 6E Cambridge	28	1700EST	0.1	5	0	0	0	0	Tornado (F0)
	A to	rnado touched	down b	riefly near	Highv	vay 50.			
Anne Arundel County Bay Ridge	28	1700EST			0	0	0	0	Thunderstorm Winds (G57)
	Win torna	ds of 57 knot adic thunderst	s recorde orms in t	d at the T he vicinity	homas ·	Point d	lata buo	oy (nea	r Bay Ridge). Radar indicated
Wicomico County Salisbury	28	1710EST			0	0	0	0	Thunderstorm Winds (G50)
Queen Annes County Centreville	28	1710EST	0.1	10	0	0	0	0	Tornado (F0)
	221	ter reported a				U	v	•	Tornado (Po)
Queen Annes County	28	1735EST	0.1	10	0	0	0	0	Tornado (F0)
· · · · · · · · · · · · · · · · · · ·		rnado was sig							1011111110 (10)
Harford County						,	, .		*
1SW Aberdeen	28	1755EST	0.1	5	0	0	0	0	Tornado (F0)
	Skyv dama	varn spotters age.	observed	a tornado	brief	ly touch	ing do	wn in	a rural area with no apparent
Cecil County Port Deposit	28	1755EST	0.1	5	0	0	0	0	Tornado (F0)
2 0.0 2 oposio		varn spotters s							\$ 760
MASSACHUSETT	-	Sponois e	watoti	51101 10		гонодио	··· 111 a	. Iai goi	, and the transfer of the tran
Hampden County	-								
Agawam	04	1430EST			0	0	?	0	Hail (0.75)
Longmeadow Ludlow	04 04	1439EST 1441EST			0	0	?	0	Hail (0.75) Hail (0.75)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons I Injured	D	timated amage rty Crops	August 19 Character of Storm
MAGGA CYMIGET	ma a	43.1							
MASSACHUSET	18 C	ont'd							
Franklin County Orange	04	1454EST			0	0	?	0	Thunderstorm Winds
Worcester County Athol Westminster	04 04	1510EST 1534EST			0	0	?	0	Thunderstorm Winds Thunderstorm Winds
** Commistee			nds blew	down trees			•		e scattered reports of large h
Berkshire County	IIIu	ndorstorm wh	ilus biew	down trees	and ti	co minos	anu	noic wei	e scattered reports of large if
Dalton Becket	04 04	1650EST 1655EST			0	0	?	0	Thunderstorm Winds Thunderstorm Winds
	Larg	ge limbs were	blown de	own block	ing roa	ds.			
Worcester County	0.4	1005500							5 1 1
Mendon	04	1805EST			0	0	?	0	Thunderstorm Winds
	Scat	nderstorms m tered power o	oved east outages of	from the courred.	Connec	cticut Ri	ver Va	alley acc	ompanied by strong wind gu
Bristol County		•							
Westport New Bedford Dartmouth	09	1400EST- 1800EST			0	0	4	0	Flash Flood
2 ii unouii	inch base of th	es, and much ment flooding	of that to g occurred ars and o	otal fell in d. Up to to ther reside	just for 3 feet of the contract of the contrac	our hour of water iled out	s. Wi filled cellars	idespread some str s. Parts	The city received a total of 7 l street flooding, washouts, a reets as motorists scrambled of Interstate 195 and its accordly flooded.
Bristol County	00	1 <i>000</i> 00	×			0		•	T1.14.1
Acushnet	09	1755EST			0	0	4	0	Lightning
		vo-story wood ie structure.	i-irame co	ottage was	Struck	by light	ning r	esuiting	in an estimated \$40,000 dama
Barnstable County									
Sandwich Barnstable	09	1800EST- 2130EST			0	0	?	0	Flash Flood
	Cape	e. Numerous	vehicles	were disal	bled on	the hig	hway	because	able street flooding on the Up of the flooding. Several stre e Mid-Cape Highway in W
Berkshire County Dalton	27	1541EST			0	0	?	0	Hail (0.75)
Duiton		understorm p	roduced l	nail un to	_				11111 (0.72)
MAZ006-010	28	1840EST-	10ducca 1	ian up to	umic-si	20.			
WAZ000-010	20	2000EST			0	0	?	0	High Winds
		winds likel sachusetts.	y associa	ated with	a fron	tal pass	age k	nocked	down a few trees in west
MAZ004-005	29	0000EST- 0500EST			0	0	?	0	High Winds
	High	winds occur	red from	the Conne	cticut V	Valley ea	ast into	o central	Massachusetts. The wind blad blocking a few roads.
MICHIGAN	20 11				-6	Po			
Baraga County									
L'anse	09	2300EST			0	0	4	0	Lightning

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of ersons I Injured	Da	imated image ty Crops	Character of Sto	August 1992
MICHIGAN Con	t'd									
	A b	arge was dest	roved bec	ause of a	lightni	ng cause	d fire.			
Ontonagon County	09	2308EST	,		0	0	3	0	Thunderst	orm Winds
	Thu		nds blew	down tree	s and j	power li	nes in	many a		ous power outages
Baraga County		***			_	_	_	_		
Beaufort Lake	09	2310EST			0	0	0	0		orm Winds
		es up to 16 in	ches in di	ameter we	2		2			
Marquette County	09	2310EST			0	0	0	0	Thunderst	
	of L	ng thundersto ake Michigan	rm winds nme.	blew down	nume	erous larg	ge trees	s over C	ounty Road 6	607, 10 miles north
Iosco County Hale	10	1325EST			0	0	0	0	Hail (1.00)	
15 W Tawas City	10	1425EST			ŏ	ŏ	ŏ	ŏ	Hail (0.75)	
Huron County 2 S Harbor Beach	10	1640EST			0	0	0	0	Thundersto	orm Winds
	A tr	ee was blown	down by	strong the	ındersi	orm win	ds.			4
Harbor Beach	10	1655EST			0	0	0	0	Hail (0.75)	
	Dim	e-size hail fel	l for abou	t 5 minute	es.					
White Rock	10	1720EST			0	0	0	0	Hail (1.75)	
500 000 400 400 400 000 a 440 000 000 000	Hail	stones up to g	olf ball-s	ize were o	bserve				()	
Tuscola County			,							
Deford	10	1740EST			0	0	0	0	Thundersto	orm Winds
	A co	ouple of large	tree limb	s were blo	wn do	wn.				
St. Clair County 15 W Port Huron	10	1815EST			0	0	0	0	Hail (0.75)	
MINNESOTA										
Sibley County Henderson	01	1515CST			0	0	?	?	Thundersto	orm Winds
Scott County									11an (0.73)	
6 SW to 1 SW Belle Plaine	01	1520CST			0	0	?	?	Thundersto Hail (0.75)	rm Winds
S 44 S	stron	ig downburst	winds and ong swath	0.75-inch between H	hail. Iender	Agriculti son and l	ural cr Belle P	ops were	e severely da	esota. Producing maged in a 2-mile- t of soybean fields
Scott County Prior Lake Kandiyohi County	01	1527CST			0	0	?	?	Hail (1.75)	
Spicer	01	1715CST			0	0	0	0	Hail (0.75)	to
Pennock Green Lake	01 01	1724CST 1730CST			0	0	?	?	Hail (1.25) Thundersto	rm Winds
Stearns County Rockville							-			
Meeker County	01	1739CST			0	0	?	?	Thundersto	rm Winds
Grove City	01	1750CST			0	0	0	0	Hail (0.75)	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons Injured	D	timated amage rty Crops	August 1992 Character of Storm
MINNESOTA Co	nt'd								
	A li larg	ne of thunders e hail. Little	storms mo damage v	oved through	gh cent ed.	ral secti	ons o	Minne	sota producing strong winds and
Wright County Monticello	01	1810CST			0	0	?	?	Thunderstorm Winds
		arge tree fell o	lue to the	strong thu					- I (CCA)
Kandiyohi County	01	1845CST			0	0	?	?	Thunderstorm Winds (G62)
Maland Country	AW	vind gust to 7	mpn wa	s recorded	at the	airport	ın Wı	llmar.	
Mcleod County Hutchinson	. 01	1855CST			0	0	?	?	Thunderstorm Winds
	Larg	ge tree limbs	were strip	pped from	several	of tree	s near	Hutchir	nson.
Dakota County	0.4	400ECCE					_		TT 11 (4 00)
Lakeville Roseau County	01	2007CST			0	0	?	?	Hail (1.00)
20 W Roseau Roseau Clearwater County	09 09	0540CST 0610CST			0	0	?	?	Hail (0.75) Hail (0.75)
Gonvick	09	0935CST			0	0	?	?	Hail (1.75)
Beltrami County Waskish	09	1115CST			0	0	?	?	Hail (0.75)
Koochiching County International Falls	09	1130CST			0	0	?	0	Lightning
	Ligh	ntning struck	a transfor	mer at the	airpor	t.			**************************************
St. Louis County 15 N Ash Lake	09	1215CST			0	0	?	?	Thunderstorm Winds
*			rm winds	downed m	anv tre		ower	S .	he Kabetogama Lake resort area.
Hubbard County Park Rapids	09	1315CST			0	0	3	0	Lightning
			the roof o	of a home		1,000			than \$5,000 in damage.
Lyon County	8-					,			,
2 SW Marshall Lincoln County	09	1800CST			0	0	0	0	Funnel Cloud
3 SE Arco	09	1805CST			0	0	0	0 -	Waterspout
	A fu of th	nnel cloud de ne lake before	veloped r dissipati	near Dead (Coon I	ake and	becar	ne a wa	terspout as it touched the surface
10 NW Lake	09	1845CST			0	0	0	0	Funnel Cloud
Benton 2 N Tyler	09	1900CST			0	0	0	0	Funnel Cloud
200	Thu	nderstorms de erspout. No d	veloped c lamage w	over southwas reported	vest sec l from	tions of the stor	the st	ate causi	ng several funnel clouds and one
Kandiyohi County Eagle Lake	17	1325CST			0	0	0	0	Hail (0.75)
Nobles County 4 W Reading	17	1740CST			0	0	?	?	Hail (1.75)
<u> </u>	Hail long	up to golf ba across centra	ll-size wa l portion	as deposite s of Noble	d 3 ind s Çoun	hes dee ty. App	p in a roxin	path tha ately 40	at was 2 miles wide and 4 miles 0 acres of crops were destroyed.
Pennington County 0.5 W Thief River Falls	20	1600CST			0	0	0	0	Hail (0.75)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	Est D Prope	timated amage rty Crops	August 1992 Character of Storm
MINNESOTA Co	m47.d								
	nt a								
Cass County Walker	20	2144CST- 2200CST			0	0	?	?	Thunderstorm Winds Hail (0.75)
,	Stro	ng thunderstor	m winds d	lowned se	veral la	rge tree	limbs	and hail	damaged many cars in Walker.
MISSISSIPPI									
George County Lucedale	03	1300CST			1	0	0	0	Lightning
	Fou and	r teenagers had knocked all of	been swi	imming ar	d were	on the	ir way boys	back to	their car when lightning struck et up. M14O
Neshoba County	00	1.440.CCm					•		TT 11 (0 mm)
Philadelphia Tippah County	08	1440CST			0	0	0	0	Hail (0.75)
Walnut	10	1150CST	0.12		0	0	2	0	Thunderstorm Winds
* 6 6	Seve	eral trees were	uprooted	5					
Lafayette County Oxford	10	1235CST			0	0	3	0	Thunderstorm Winds
	A tr	ee fell and dan	naged a p	orch and	another	tree w	as blo	wn dowr	across a powerline.
Harrison County Gulfport	10	1735CST			0	0	2	0	Thunderstorm Winds
• • • • • • • • • • • • • • • • • • • •	Seve	eral trees and p	owerlines	were blo	wn do	wn.			
Harrison County Lyman	10	1740CST			0	0	0	0	Hail (1.00)
Newton County 12 N Newton	10	1800CST			0	0	4	0	Thunderstorm Winds
		of was blown	off a barn	and two	trees v	vere blo	wn do	own.	
Coahoma County									*
Clarksdale	10	1937CST			0	0	2	0	Thunderstorm Winds
	Four	r trees were blo	own down	. One tro	ee fell	on a ca	г.		
Lincoln County 2 E Bogue Chitto	10	1945CST			0	0	3	0	Thunderstorm Winds
*	Fifte	en trees were	carried of	f or knocl	ked do	wn.			
Bolivar County	10	20.45.CCT				•	•		m, , , , , , , , , , , , , , , , , , ,
Duncan	10	2047CST	hl J.		0	0	2	0	Thunderstorm Winds
Issaquena County	Seve	ral trees were	blown do	wn.					
5 N Fitler	10	2200CST			0	0	3	0	Thunderstorm Winds
	Tin	was blown off	of two bu	ildings.					90
Issaquena County 4 SW Fitler	10	2215CST			0	0	3		Thunderstorm Winds
4 SW Filler		ral powerlines	were blo	um doum		·*		0 ade	i nunderstorm winds
Lafayette County	Seve	iai powerimes	were nio	wii uowii	oy mu	19612101	III WII	ius.	
Oxford	24	1945CST			0	0	5	0	Flash Flood
	The	city of Oxford led and water	had 4.36 ran into se	inches of everal apa	f rain f rtment	fall in o s causir	ne hou	ur. Near ensive da	rly every street in the city was mage. Water ran into several

		Time Local/	Path	Path Width		nber of		mated	August 1992
Location	Date		Length (Miles)	(Yards)	Killed	rsons Injured	Propert	mage y Crops	Character of Storm
MISSISSIPPI Cor	ıt'd								* *
	base	ements of build	dings at th	ne Univer	sity of	Mississ	ippi and	l caused	some damage to computers.
MSZALL	26-2	27							Hurricane Andrew
	the northe the caus	an to affect Mi extreme south theast across N state. Andrew 24 hour period	ississippi. western co lississipp exited the l, Andrew ornadoes.	Andrew orner of M i and was northeast was respo A 100-n	was delississigned downg ern con consible online.	owngra opi duri graded to ner of to for 29 de band	ded to a ng the a to a Tro the state incident I of rain	Tropical frequency of the tropical Do the attention to the attention of the tropical frequency of tropical frequen	ated along the Louisiana coast, al Storm by the time it entered a of August 26. Andrew moved epression shortly after entering afternoon of August 27. During d damage, many of which were ween four and eight inches fell corded.
Walthall County	26	0625CST			0	0	3	0	Thunderstorm Winds
	Sca	ttered trees we	re blown	down thre	oughou	t the co	ounty.		
Pike County	26	0635CST			0	0	3	0	Thunderstorm Winds
	Sca	ttered trees we	re blown	down thre	oughou	t the co	ounty.		
Lincoln County	26	0635CST			0	0	3	0	Thunderstorm Winds
	Sca	ttered trees we	re blown	down thre	oughou	t the co	ounty.		
Lawrence County Topeka	26	0700CST	2.0	1	0	1	4	0	Tornado (F1)
	The	tornado dama	ged a hou	use and tw	o mob	ile hom	es. Se	veral tre	es were blown down.
Lawrence County			P1 (10)			*			
3 NW Topeka	26	0705CST	1.0	8	0	0	2	0	Tornado (F0)
	Sev	eral trees were	blown d	own.					
Lincoln County 3 S Brookhaven	26	0720CST	2.0	100	0	0	4	0	Tornado (F1)
o o or ooming to		ornado lifted th					lown se		
MSZ10 and MSZ11	26	0800CST	1001 01	i or a not	isc and	Olow C	own so	vorai tio	C 5.
WISZIV and WISZII		2100CST	Q.,		0	0	5	0	High Winds
	Clai Sim bley and	iborne, Copial pson, Walthall w down numero	h, Frank , and Wil ous trees a ughout thi	lin, Jeffer kinson. S and power is area rec	trong v	efferso vinds as ver mu	n-Davis s high a ch of So	s, Lawre s 65 mpl outhweste	wing counties: Adams, Amite, ence, Lincoln, Marion, Pike, at Natchez, in Adams County, ern Mississippi. Several houses o roofs. Much of this area went
Lawrence County 3 NE Tilton	26	0825CST	1.5	100	0	0	3	0	Tornado (F0)
3 NE THON		nerous trees w			v	v	3		Tornado (Fo)
Cariah Carret	Nui	nerous trees w	ere blowi	i down.			et		-2 a
Copiah County 3 W Bowerton	26	0826CST	2.0	150	0	0	3	0	Tornado (F0)
	Nur	nerous trees w	ere blow	n down.					
Copiah County									
Copiah County Hazelhurst	26	1015CST			0	0	2	0	Thunderstorm Winds
	A f	unnel cloud waterstorm did l	as report flow dow	ted over l n several	Hazelhi trees ii	urst bu 1 Hazel	t never hurst.	touched	down. High wind with this
Claiborne County 1 SE Rock Springs	26	1025CST	2.0	100	0	0	2	0	Tornado (F0)
		eral trees were			the N				MANUFACTURE AND

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of sons Injured	Estim Dam Property	age	August 1992 Character of Storm
MISSISSIPPI Cor	ıt'd								
Warren County Yokena	26	1040CST	1.5	80	0	0	2	0	Tornado (F0)
Токена		eral trees were			U	U	2	U	Tornauo (FU)
Coolea Country	Seve	rai trees were	blowii u	own.				g.a.	
Leake County 2 SE Thomastown	26	1600CST	1.5	150	0	0	4	0	Tornado (F1)
	The	tornado lifted pine trees.	the roof	and chim	ney off	of a hou	ise, ben	t sever	al road signs, and blew down
Copiah County		pine nees.							
5 W Crystal	26	1/20/000	1.0	100	^		_		m - 1 (700)
Springs	26	1620CST	1.0	100	0	0	2	0	Tornado (F0)
	Seve	eral trees were	blown d	own.		2			
Kemper County 10 SW DeKalb	26	1625CST	1.0	100	0	0	4	0	Tornado (F1)
		mobile home	was dest			us trees	were l	olown o	A. A
azoo County			. 7	,					
Yazoo City	26	1627CST	1.0	100	0	0	2	0	Tornado (F0)
	Nun	nerous trees ar	nd limbs	were blow	n down	•			
Iumphreys County	26	1.C40.CCT	1.0	100		•	•		
Belzoni	26	1640CST	1.0	100	. 0	. 0	3	0	Tornado (F0)
	Seve	ral trees and	limbs we	re blown o	lown.	An awn	ing was	blown	off of a building.
ttala County 4 SW Possumneck	26	1700CST	2.0	150	0	0	3	0	Tornado (F0)
		rnado did min							55 - 57
Iolmes County				•	#	,	Y	V	
Lexington	26	1700CST	1.5	100	0	0	4	0	Tornado (F0)
	Seve	ral trees were	blown d	own and t	wo hous	ses were	e damag	ged.	6
Clarke County	26	1700000	1.0	50			2	^	/m1- (/ma)
2 W Middleton	26	1700CST	1.0	50	.0	0	2	0	Tornado (F0)
	Seve	ral trees and	iebris we	re scattere	acros	s a high	iway.		3
auderdale County 10 SE Meridian	26	1735CST	2.0	150	0	2	5	0	Tornado (F1)
*	One		was dest		e houses	were o		d, and	numerous trees and powerline
mith County	WOIG	DIOWII GOWII.							72
2 SW Mize	26	1840CST	2.0	150	0	0	3	0	Tornado (F0)
	Lots	of trees were	blown de	own. The	tops of	several	chicke	n hous	es were blown.
Copiah, Hinds, awrence, Leake, incoln, Madison, ankin, Scott,								e.	
impson, Smith,	26	2000CST-							
nd Warren	20								

Heavy rainfall from Tropical Storm Andrew caused flooding across the following counties during the night of August 26 and the morning of August 27: Copiah, Hinds, Lawrence, Leake, Lincoln, Madison, Rankin, Scott, Simpson, Smith, and Warren. Most of the reported flooding was of low

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of ersons I Injured	D	imated image ty Crops	Character of Storm	August 1992
MISSISSIPPI Cor	ıt'd									
	wer	g creeks overf e covered with ther bridge wa	n water as	nd were n	ot pass	able. A	, and p	poor drai was wa	nage areas. Man shed out in Copi	y county roads ah County and
Yazoo County Satartia	26	2000CST	1.5	100	0	0	3	0	Tornado (F0)	
Jumi ta		y trees were			•	•	•		Tornado (10)	٠.,
Simpson County	26	2010CST	010 W II		0	0	3	0	Thunderstorm	Winds
-		es were blown	down ov	er many a	100					
Sharkey County 5 SW Spanish					154 254					
Fort	26	2020CST	2.0	100	0	0	3	0	Tornado (F0)	
. "	Nun	nerous trees w	ere blow	n down.						
Simpson County Harrisville	26	2030CST	2.0	150	0	0	2	0	Tornado (F0)	
		y trees were				•	_		201111110 (20)	
Yazoo County		.,								
3 NE Yazoo City	26	2125CST	1.5	100	0	0	3	0	Tornado (F0)	
• • • • • • • • • • • • • • • • • • • •	Nun	nerous trees w	ere blow	n down.						
Clarke County	27	0110CST	1.0	100	0	0	2	. 0	Towns do (E0)	
8 N Quitman	0.000	nerous trees w	1.0		U	0	-	- V	Tornado (F0)	
Loudondolo County	Mun	nerous trees w	ere blow	n down.						
Lauderdale County 10 NW Meridian	27	0140CST	1.0	100	0	0	2	0 -	Tornado (F0)	
Lauderdale County 3 NW Meridian	27	0201CST	1.0	50	0.	0	2	0	Tornado (F0)	
	Seve	eral trees were	blown d	own.						
Clarke County	*			*					e II	
8 W Quitman Lauderdale County	27	0220CST	1.0	50	0	0	2	. 0	Tornado (F0)	
6 N Meridian	27	0240CST	1.0	100	. 0	0	2	0	Tornado (F0)	
X *	Nun	nerous trees w	ere blow	n down.						
Lauderdale County	27	0500000			_	Δ.	•			
and Clarke County	27	0500CST			0	0	0	0	Flood	
CI C	Nun	nerous streets	and roads	s were un	der wa	ter, but i	no app	arent da	mage was done.	
Clay County West Point	27	1000CST			0	. 0	3	0	High Winds	
39	Win	ds of up to 50	mph up	rooted sev	eral tre	es and k	cnocke	d over a	few powerlines	in West point.
Prentiss County	27	1600CST			0	0	0	. 0	Flash Flood	
* B		y small stream e closed.	ns and cre	eks flood	ed low	lying are	eas. S	ome cou	nty roads were co	overed and had
Lamar County 1 E Sumrall	27	1815CST	2.0	100	0	0	3	0	Tornado (F0)	
3. 2 - 40 m	Nun	nerous trees w	ere blow	n down.						

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons I Injured	I	timated camage crty Crops	August 1992 Character of Storm
MISSOURI									
McDonald County									
Anderson Newton County	03	1320CST			0	0	2	0	Thunderstorm Winds (G52
Neosho	03	1345CST			0	0	2	0	Thunderstorm Winds
	Pow	er lines were	downed by	y thunder	rstorm	winds.			*
Cedar County	05	0935CST- 1125CST			0	0	3	0	Flash Flood
Polk County	05	0935CST- 1125CST		¥.	0	0	3	0	Flash Flood
	In P Stoc	olk County, se kton Dam. L	everal hon ow water	nes were bridges v	evacua vere in	ted beca	ause o e arou	f high v	vater. Four inches of rain fell a
Madison County									
Fredricktown Fredricktown	08 08	1730CST 1910CST			0	0	3	0	Thunderstorm Winds Flash Flood
	The later	county sheriff that evening	f dispatche with one o	er reporte creek ove	d trees rtoppin	and po	wer li lge.	nes dov	vn. Flash flooding was reported
Pike County Bowling Green	10	0530CST- 0720CST			0	0	0	0	Flash Flood
	The		reported	flash floo			•	1.0	Bowling Green.
Marion County			-						
Hannibal	10	0530CST- 0800CST			0	0	2	0	Flash Flood
	The	county sheriff	reported	street flo	oding.				
Ralls County 6 S New London	10	0615CST			0	0	0	0	Flash Flood
o B New Bolldon		cer Creek qui	ckly rose	out its ba	nks flo	 -	7.	•	THE SOUR ENGINEERING WAS ARRESTED.
Howell County						545.		-	
Caulfield Franklin County	10	1736CST			0	0	2	0	Hail (0.75)
Sullivan	10	1745CST	_		0	0	5	. 0	Thunderstorm Winds
	dama shatt	iged when tw	o large tr olic library	ees fell to the contract of th	through large to	the live	ing ro	oom. A	to four homes. One home was A large plate glass window was vere down over southern sections
Crawford County	10	1750CCT					•		Th J
Steeleville Near Steele- ville	10 10	1759CST 1805CST			0	0	4	0	Thunderstorm Winds Thunderstorm Winds
	An 8 of th	to 10-mile-we county. The	vide swath	of tree da	amage oorted	occurred trees do	from wned	northea	astern through southwestern parts ghways 8, H, and Y.
Phelps County		Ť				•:			
St. James Eastern Portion	10 10	1820CST 1825CST			0	0	2 4	0	Thunderstorm Winds Thunderstorm Winds
	Seve	ral large trees down and nu	were blow	vn down wer outa	in St.	James.	The N	Aissouri	Highway Patrol reported power
Dent County			L .		- Acces (2009)				W.
Salem Salem	10 10	1830CST 1833CST			0	0	3 5	0	Thunderstorm Winds (G61) Thunderstorm Winds

Location	Date	Time Local/ Standard		th idth ards)		mber of rsons Injured	Da	mated mage ty Crops	August 199	2
MISSOURI Cont'	d		760						(4)	
MISSOURI CUII	u									1 -
	Thre destr Dep	e businesses royed by faller	experienced point trees with for Missouri High	plate gi our hon ghway	fass w nes als Patrol	vindow o so receiv	lamage	in Sale	gh southern sections of count em. Five vehicles were total ge according to the Salem Poli- to 70 mph. The county sheri	ly ce
Texas County Houston	10	1904CST			0	0	3	0	Thunderstorm Winds (G52	2)
Oregon County Thomasville	10	1904CST			0	0	2	0	Thunderstorm Winds	
	Seve	eral large trees	were blown	down.				*		
Howell County Willow Springs	10	1904CST			0	0	2	0	Thunderstorm Winds	
	Larg	ge trees were	downed by th	unders	torm v	winds.				
Texas County Houston Summersville Raymondville	10 10 10 10	1915CST 1915CST 1915CST 1915CST			0	0 0 0	3 3 3 3	0 0 0	Thunderstorm Winds (G6: Thunderstorm Winds Thunderstorm Winds	1)
Success		nerous large tr	ees were blo	wn ove	er.	U	3	U	Thunderstorm Winds	
Shannon County Eminence Winona	10 10	1920CST 1920CST			0	0	3 3	0	Thunderstorm Winds Thunderstorm Winds	
	Larg	ge trees were l	blown down a	and Sta	te Ro	ad 106 v	vas blo	cked fro	om fallen trees near Eminence	٠.
Howell County West Plains	10	1940CST			0	0	5	0	Thunderstorm Winds	
	Wes	t Plains, plate nesses. The re	glass windo oof of Earl's	ws wer Interna	e blor tional	wn out of Truck S	or crac ales bu	ked by ilding w	miles north of West Plains. flying debris from four in-tov as partially blown over onto to y destroyed by fallen trees.	vn
Oregon County Thomasville	10	1950CST			0	0	4	0	Thunderstorm Winds	
	An o	orchard was d	estroyed by the	hunder	storm	winds i	n Thor	nasville.		
Greene County 10 SW Spring-	10	2115CST			0	0	3	0	Thunderstorm Winds	
field	Man	y trees were l	olown down a	and a c	ar wa	s blown	off the	road.		
Christian County Ozark	10	2120CST			0	0	3	0	Thunderstorm Winds (G52	2)
	Larg	ge trees were l	olown over in	Ozark	ī.				ž.	
Adair County Kirksville	25	1610CST			0	0 -	3	0	Thunderstorm Winds	
	The	Kirksville Pol	lice Departme	nt repo	orted	many la	rge tree	es down	near the center of town.	
Scotland County Memphis Eastern Portion	25 25	1635CST 1645CST			0	0	2 2	0	Thunderstorm Winds Thunderstorm Winds	
	000000	Missouri High	hway Patrol r	eporte		•				

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	Di	imated unage ty Crops	August 1992 Character of Storm	
MONTANA										
Glacier County Cut Bank North	01	2215MST			0	0	4	5	Hail (1.75)	
Toole County Shelby Pondera County	01	2230MST		*	0	0	4	5	Hail (1.75)	
Ledger Ledger	01	2245MST			0	0	4	5	Hail (1.75)	
		eries of thunder a wide area.	erstorms	moved fro	m north	of Cu	Bank	to near	Ledger. Crops were damaged	
Sweet Grass County Big Timber Corpon County	02	1640MST			0	0	0	0	Hail (1.00)	
Carbon County Joliet Yellowstone County	02	1758MST			0	0	0	0	Hail (1.00)	
Laurel Teton County	02	1910MST	Ÿ.		0	0	4	4	Thunderstorm Winds (G61)	
Bynum Fairfield	02	1930MST			0	0	5	5	Hail (1.25) Thunderstorm Winds	
	Seve		occurren	in Bynum	and F	airfield	becau	ise of 1.	25-inch hail and thunderstorm	
Cascade County Great Falls	02	1950MST			0	0	3	5	Hail (1.25)	
	Mine	or damage occ	urred in	Great Fall	s with l	ots of c	rop da	amage w	est of the city.	
Hill County Port of Wildhorse W of Havre 26 N Inverness	03 03	1715MST- 1730MST 1830MST	?	?	0	0	4 3	5 4	Hail (2.75) Tornado (F0) Hail (1.75)	
	Cron	os were damag	ed and w	vindows w	ere kno	cked or	t of h	omes an	Thunderstorm Winds	
Garfield County Mosby	03	2200MST	,		0	0	4	4	Hail (1.75)	
Valley County Port of Opheim 13 S Richland	06 06	1430MST 1542MST			0	0	0	3	Hail (1.00) Hail (1.00)	
Roosevelt County Poplar	06	1727MST			0	0	4	4	Hail (1.50)	
Richland County Northwesterns	06	1730MST			0	0	4	5	Hail (1.75)	
Portion to Sioux Pass	Considerable amounts of crop damage occurred because of 1.75-inch hail.									
Lewis and Clark County										
Helena MTZ003	19 19	1926MST 2345MST			0	0	3	0	Thunderstorm Winds (G50) High Winds (G53)	
	A strong cold front moved through with a wind gust to 61 mph at Malmstrom Air Force Base. Minor damage occurred in town.									
Fergus County	ATAIN		-11-04 III	.own.						
Eastern Portion Lewistown	21 21	2030MST 2100MST			0	0	4	0	Thunderstorm Winds Hail (1.50) Urban Flood	

A strong thunderstorm dropped 1.66 inches of rain in about 1 hour with street and basement flooding. Wind damage was scattered around the area.

Location	Time Local/ Date Standard		Path Path Length Width (Miles) (Yards)		Number of Persons Killed Injured		Estimated Damage I Property Crops		August 1992 Character of Storm	
MONTANA Cont	'd									
MTZ001,002,003, 004	22 23	0800MST- 1600MST			0	0	4	6	Winter Storm	
	state espe from snov	 This was cially hard hings 1 foot or m 	the earlie t. The word ore across storm wa	est snow of wheat and l ss Glacier	n reco parley Park	rd at in the to betw	many lo golden t een 2 a	cations riangle nd 6 ii	most of the western third of the c. Glacier Park and crops were was damaged. Snowfall ranged aches over the plains. The tota th 5 inches on the ground around	
MTZ007	23	1700MST			0	0	0	4	Heavy Snow	
	Six	inches of snov	w fell in	Livingston	overn	ight.				
MTZALL	25	0600MST			0	0	0	5	Frost/Freeze	
	11 d	legrees. Man	y record atures at	low temporal many sites	erature This	s were	recorde	ed. The wing se	reported the coldest reading with is was the forth day in a row of eason at most stations making this sive.	
NEBRASKA										
York County Henderson	02	0230CST			0	0	?	?	Thunderstorm Winds (G61)	
	Win	ds estimated a	t 70 mpl	uprooted	trees,	which	fell on	and da	maged houses.	
Fillmore County Geneva	02	0350CST		**	0	0	?	?	Thunderstorm Winds (G61)	
	Winds estimated to 70 mph caused major tree damage. Two cars, several roofs, and three power poles were damaged. A ferris wheel at a fairgrounds was overturned.									
Chase County	03	Mid Aftern			0	0	?	?	Flood	
	Rese was	rvoir in south	west Cha	se County	to the	unctio	ns of Hi	ghway	g bankfull from the dam at Enders s 6 and 25. From there, the creek ne Republican River. No damage	
Lincoln County 7 NE North Platte	02	1927CCT			^	Δ		9	Hail (1 75)	
North Platte	03 03	1837CST 1850CST			0	0	5	?	Hail (1.75) Hail (2.75) Thunderstorm Winds (G51)	
	Nort were Nati	th Platte. A red damaged. Bonal Weather	number o aseball-s Service o	f cars were ize hail wa employee,	e seven s repor where	rely dan rted in vehicle	maged, the Key es, wind	house Estate ows, re	about 7 miles north-northeast of windows were broken, and roofs s Mobile Home Park by a retired pofs, and siding were broken and ed to 59 mph.	
Keya Paha County Springview to 2 S Springview	04	1000CST			0	0	5	5	Hail (1.75)	
Rock County Bassett	04	1031CST			0	0	3 5	?	Hail (1.75)	
25 SE Bassett 12 SE Rose	04 04	1109CST 1125CST			0	0	5 ?	?	Hail (0.75) Hail (1.75)	
Farfield County 20 NNW to 6 SE		1125CST 1145CST			0	0	?		8	
Burwell	04					U		6	Hail (1.75)	
Burwell	04	1220CST			0	0	5	?	Thunderstorm Winds	

roofs and broke windows. Crops also received some damage and the fairgrounds at Burwell had several buildings, a grandstand, and fences damaged.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of rsons Injure	D	timated amage rty Crops	August 1992 Character of Storm				
NEDDACKA Co-	49.3												
NEBRASKA Con	nt'a												
Valley County Ord	04	1250CST			0	0	?	?	Hail (1.75) Thunderstorm Winds (G61)				
	Gol line	f ball-size hai between Ord	l complete and Burw	ely covered ell and bl	d the gro	ound.	Winds (imbs w	to 70 mp	h knocked down the main power ocked down power lines in town.				
3 N North Loup	04	1312CST			0	0	?	?	Thunderstorm Winds Hail (0.50)				
	Αg	grain bin was	destroyed	by strong	winds.	Pea-	to marl	ble-size	hail was 6 inches deep.				
Greeley County Scotia	04	1315CST			0	0	?	?	Thunderstorm Winds (G61)				
	Wir	nds were estin	nated to 7	0 mph.									
Sherman County 5 N Ashton	04	1330CST			0	0	?	?	Hail (1.00)				
	ο:	, ,			.,,	٠.,	.1		Thunderstorm Winds (G61)				
Caralan Carata	Sigi	nificant crop d	amage oc	currea, w	ith crops	s in the	northe	ast corn	er of the county a complete loss.				
Greeley County Scotia	04	1330CST			0	0	?	?	Thunderstorm Winds				
	Thu	Thunderstorm winds did considerable damage to corn, soybean and sorghum.											
Howard County Elba	04	1354CST			0	0	?	?	Thursdaystown Winds (CEO				
Liva			doctrovo	d gayaral	O arain bir		•		Thunderstorm Winds (G56)				
Hall County	VV II	nds to 65 mph	destroyed	i severai	grain on	us.							
Cairo Grand Island	04 04	1405CST 1430CST			0	0	?	? .	Hail (0.75) Hail (0.75)				
	Dime-size hail broke windows in houses.												
Merrick County Murphy	04	1433CST			0	0	0	0	Funnel Cloud				
	The	The public saw a funnel cloud that did not touch down.											
Howard County Elba	04	1555CST			0	0	?	?	Thunderstorm Winds (G52)				
	Windest	ds exceeded (royed, and cr	60 mph a	t Elba, w damaged.	here ma	my tre	es were	e blown	down, several grain bins were				
Howard County	140.000												
Danneborg	04	1600CST			0	0	?	?	Thunderstorm Winds				
	Stro	ng winds blev	v a 50-foo	ot mobile	home co	omplete	ely off		- ·				
Hall County Grand Island	04	1620CST			0	0 1	6	? 0	Thunderstorm Winds (G59) Lightning				
	Winds to 68 mph broke tree limbs 14 to 15 inches in diameter, which fell on garages. A grain was blown away in northeast Grand Island and buildings at the fairgrounds were blown over. F golfers were struck by lightning; one person was injured.												
Howard County	04	1647CST			0	0	?	?	Flash Flood				
St. Paul	Rainfall of 2.60 inches flooded many county roads.												
Cherry County				5721		2							
35 S Valentine	04	1650CST	0.5	10	0	0	?	?	Tornado (F0) Hail (1.75)				

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons I Injured	E	stimated lamage erty Crops	Character of Storm	August 1992
NEBRASKA Con	t'd									
	trees		r also jac	k-knifed a	tracto	r, turnec	l a w		ged its roof and duside out, and bro	
Hamilton County Aurora	04 Tree	1700CST	ere blow	n down.	0	0	?	?	Thunderstorm	Winds
Thomas County Thedford	04	1715CST- 1740CST			0	0	2	?	Hail (1.75)	
	Hail	, mostly dime	sized, b	ut also a fe						
Clay County Clay Center	04	1720CST			0	0	?	?	Thunderstorm	Winds.
,,	Larg	ge tree limbs v	were blow	vn down.						
Fillmore County Geneva	04	1730CST		36	0	0	?	?	Thunderstorm	Winds
		ds did extrem ses and crops			Pov	ver poles	s wer	e snappe	d and took down	power lines.
Logan County 20 NW Stapleton 10 W Stapleton	04 04	1800CST 1820CST		*	0	0	3	?	Hail (2.75) Hail (0.75)	
	Nun	nerous golf ba crops.	ll- to bas	eball, with	mostl	y dime-s	ize ha	il damage	ed a few vehicles	and destroyed
Nuckolls County Nelson	04	1805CST			0	0	5	?	Flash Flood Thunderstorm	Winds
		ds damaged tr of Nelson.	ees in No Damage	elson and 2 to roads a	2.40 in nd brid	ches of a	rain fe estin	ell in 9 m nated bety	inutes and floode ween \$150,000 an	d roads in and ad \$200,000.
Custer County Callaway	04	1830CST			0	0	?	?	Hail (1.75)	
	Call	away Fire Dep	partment	reported g	olf ba	ll-size ha	il, bu	t no dam	age.	
McPhearson County 7 to 10 S Tryon	04	1843CST			0	0	3	?	Hail (1.75)	287 287
	Golf	ball-size hail	broke w	indows and	d dama	iged roo	fs on	a ranch h	ouse and outbuild	dings.
Howard County Elba	04	1900CST			0	0	?	?	Flash Flood	
	Four	inches of rai	n fell in	Elba, flood	ling ri	vers, cre	eks, d	ditches, a	nd lowlands.	
Thayer County Hebron	04	1910CST			0	0	5	?	Flash Flood Hail (0.75)	
		e-quarter-inch 150,000.	hail fell.	Creeks a	nd stre	ams floo	ded ro	oads and f	armland with dan	nage estimated
Lincoln County North Platte Wellfleet	04 04	1927CST 2005CST	ē)		0	0	0	0	Hail (0.75) Hail (0.75)	26 B 260
	Dim	e-size hail fell	in the w	estern edg	e of N	orth Pla	tte an	d in Well	fleet.	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	Es D Prope	timated amage rty Crops	Character of Storm	August 1992
NEBRASKA Con	t'd									
Dawson County Gothenburg	04	1930CST		2	0	0	?	?	Hail (1.75)	
Hall County Grand Island	04	2000CST			0	0	?	?	Thunderstorm	Winds
	Win	ds broke large	(14- to 1	16-inch dia	ameter)	tree lin	nbs.	17.0		
Hamilton County Aurora	04	2000CST			0	0	?	?	Flash Flood	
	Wate	er covered into	ersections	and unde	rpasses	in town	a.			150
Phillips	04	2010CST			0	0	?	?	Hail (1.50)	
	Wali	nut-size hail fe	:11.							
Frontier County Stockville	04	2020CST			0	0	0	0	Hail (0.75)	
4 E Stockville					0	0	0	0	Thunderstorm Hail (1.75)	Winds (G52)
Red Willow County	Sixty but r	y-mph winds as no other damag	nd dime-s ge occurre	size hail we ed. Golf l	ere repo ball-size	orted in hail fe	Stock ll in o	ville. Son pen range	me tree limbs were eland with no dar	re blown down nage reported.
McCook Indianola	04	2055CST			0	0	5	3	Hail (4.00) Thunderstorm	Winds (56)
Seward County Seward	Estir	nated wind gudows, roofs, h	ists to 65	mph also	o cause	d exten	sive o	damage t	McCook to east o small trees and Thunderstorm	d large limbs.
	Thur bran	nderstorm wind ches, and broken	ds tore of te power	ff large se poles.	ctions o	f shing	les fro	om a rest	aurant, downed l	arge trees and
Phelps County Holdrege	04	2100CST	9		^	Δ.	?	•	Thum downtown	W: J-
noidrege		y tree limbs w	ere blow	n down.	0	0	•	?	Thunderstorm	wings
Harlan County Republican City	04	2115CST			0	0	?	?	Hail (0.75)	
Clay County Sutton	04	2145CST			0	0	?	?	Flash Flood	
E-16		ol Creek flood	led and d	amaged ro	oads and	d trees	170			
Red Willow										¥
Marion	04	2145CST			0	0	4	?	Hail (2.75)	
	Golf sidin	ball- to baseb g were damage	all-size h ed.	ail fell in	and arc	ound M	arion.	Numer	ous vehicles, hou	ise roofs, and
Perkins County Venango Grant	06 06	1658MST 1714MST			0	0	3	?	Hail (0.75) Thunderstorm	Winds (52)
0 0	Dime		n and aro	ound Vena v limbs fel	ngo and	dented			xty-mph winds b	
Perkins County		5-22-2			_			200	0	
Madrid	06	1730MST		100	. 0	0	3	0	Thunderstorm	Winds (52)
	Sixty	mph winds b	roke large	e trees lin	ibs and	damage	d a r	oof.		

Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)			D	amage	Character of Storm	August 1992
t'd									
.06	1730MST			0	0	0	?	Hail (0.75) Thunderstorm	Winds (52)
Win	ds to 60 mph	and dime	-size hail	broke l	arge tre	e limi	bs.		
06	1945CST			0	0	0	0	Funnel Cloud	4 242 36
Hite	hcock County	Sheriff's	Office re	ported a	a brief	funnel	cloud.		* * * *
07	0130CST			0	0	3	0	Thunderstorm	Winds
Thu	nderstorm wir	ds destro	yed a gara	age and	caused	an es	timated :	\$5,000 damage.	
09	2245CST			0	0	?	?	Thunderstorm	Winds (G61)
Thu	nderstorm wir grounds, tosse	ds over d campin	70 mph to g trailers a	ook off around,	part of and do	the rowned	of of a trees.	cattle barn at the	Dixon Count
ΛQ	2230CST			0	Λ	3	2	Thunderstorm	Winds
09	2255CST			ŏ	ŏ	?	?	Thunderstorm	
09	2310CST			0	0	?	?	Hail (1.00)	Winds (C63
				-					
	2330CST 2349CST				0	?	?		
1,0000		186	227	W. S.	30				
09	2340CST			U	0	?	?	Thunderstorm	Winds
09	2345CST			0	0	?	?	Thunderstorm	Winds
10	0018CST			0	0	?	?	Thunderstorm	Winds
10	0035CST			0	0	?	<u>?</u>	Thunderstorm	
10	0054CST			U	U	?	5	Hail (0.75)	j.
10	0030CST			0	0	?	?	Thunderstorm	Winds
10	0030CST	v		0	0	?	?	Thunderstorm	Winds
10	0035CST			0	0	?	?	Thunderstorm	Winds
							16	18.5	4. ***
A se High	vere thunders n winds damag	orm sweged trees	pt south ac and knock	ross no	rtheaste n powe	rn Ne r line	braska. s.	Large hail damag	ed some crops
12	1400000						531.08		
13				0	0	6	?	Hail (1.75)	,
13	1430CST-				7				
	1540CST			0	0	?	6	Hail (1.75)	
	t'd 06 Win 06 Hitc 07 Thu 09 Thu fairs 09 09 09 09 10 10 10 10 10 10	12	Date Standard Length	t'd 1	Date Standard Length (Miles) Width (Yards) Killed	Date Standard Length Width Wards Rilled Injured	Date Standard Length Width Wards Fernons Called Injured Property	Date Standard Ength Width Width Rilled Injured Property Crops	Dute Dute Docal/ Length Width Width Killed Injured Property Crops Character of Storm

A severe thunderstorm produced a 2- to 3-mile-wide path of hail damage from southern Antelope County south through Boone County. Hail depths of up to 5 inches were reported with sizes ranging from pea to golf ball. Damage to corn, soybean, and alfalfa crops was extensive. Estimated crop damage in Antelope and Boone Counties was in excess of \$4 million. Property damage also occurred in Petersburg.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons d Injured	Es D I Prope	timated Samage erty Crop	August 1992 s Character of Storm
NEBRASKA Cor	.47.4								
NEBRASKA COI	It. a								
Greeley County Greeley	13	1514CST			0	0	?	?	Hail (0.75)
	Larg hous		hail cov	ered the	ground	, damag	ged cro	ops and	gardens, and broke windows in
Greeley County Wolbach	13	1519CST			0	0	?	?	Hail (1.75)
Logan County 11 W Stapleton Stapleton to	13 13	1540CST 1555CST			0	0	3 4	3 4	Hail (0.75) Hail (1.75)
4 S'Stapleton	Nick	cel- to golf bal	ll-size ha	il caused o	extensi	ve dama	age to	corn an	d alfalfa crops. Some cars were
Greeley County Wolbach	13	1630CST	·· muo ··· b		0	0	?	?	Hail (1.75)
,, 5.55		ball-size hail	broke w	indows					11111 (1170)
Lincoln County	0011	OMI	orono w						
Brady	13	1645CST			0	0	0	0	Hail (0.75)
	Dim	e-size hail fell	with no	damage r	eported	i.			P
Lincoln County 15 N to 8 S North Platte	13	1656CST			0	0	5	5	Hail (1.75)
	dama	aged; roofs, s rred to corn	iding, an	d window	vs of h	ouses w	vere br	oken a	us automobiles were dented and nd damaged. Extensive damage crops were both estimated over
Merrick County Palmer	13	1707CST			0	0	?	6	Hail (1.75)
	Golf near	ball-size hail (\$2 million.	damaged	crops and	broke	window	vs. Cr	op dam	age around Palmer was estimated
Merrick County Worms	13	1712CST			0	0	?	?	Hail (1.75)
	Golf rema	ball-size hail ined on the g	destroy round un	ed crops, til the nex	with t aftern	soybean 100n.	field	s nearly	y totally destroyed. Hailstones
Hall County Doniphan Hamilton County	13	1715CST			0	0	?	?	Hail (1.00)
Hampton Aurora	13 13	1755CST 1800CST			0	0	?	?	Hail (1.50) Hail (1.75)
	Large	e hail caused	severe cr	op damag	e from	the Pla	tte Riv	er thro	ugh Aurora to south of Aurora.
Giltner	13	1800CST			0	0	?	?	Hail (1.75)
	Hail	started as pea-	-size, but	t quickly i	ncrease	ed to go	olf ball	-size.	
Lincoln County 8 W Wellfleet	13	1820CST			0	0	0	0	Hail (2.75)
- III III OIII OO		ball-size hail f	ell in on	en counter	-		177		AAII (2.73)
Clay County	Dasce	ouii sizo naii i	on in ope	on country	With	io daina	ige rep	oricu.	
Clay County Clay Center Hall County	13	1826CST			0	0	?	?	Hail (0.75)
Grand Island	13	1831CST			0	0	0	0	Funnel Cloud

NEBRASKA Con Greeley County Greeley Frontier County 5 NW Maywood	Sep. 5 Sep. 5		as spotted							
Greeley County Greeley Frontier County	A fu		as spotted							
Greeley Frontier County	dow		as spotted							
Greeley Frontier County	13			by weath	er serv	ice pers	onnel j	ust east	of the airport, bu	t did not touch
Frontier County		1832CST			0	0	?	?	Hail (0.75)	
5 14 W Maywood	13	1835CST			0	0	0	0	Hail (1.75)	
, e	Ping	g-Pong ball si	ze hail fel	l in open	country	y with n	o dam	age.		÷
Hall County	-	• •								
3 NE Grand Island	13	1940CST			0	0	?	?	Hail (1.00)	
	One	-inch hail fell	at the G	rand Island	l Airpo	ort.				
Clay County 6 E Hastings	13	2026CST			0	0	9	9	Hail (1.75)	
Inland	13	2030CST			0	ŏ	?	?	Hail (0.75)	
Clay Center	13	2030CST			Ŏ	Õ	?	?	Hail (1.75)	W-1- (CEO
Glenville	13	2032CST	121 22		0	0 _	7	1 to 1	Thunderstorm	
	Larg and	ge marble-size trees in Glen	e hail was ville.	2 to 3 in	ches de	eep in Ir	ıland.	Winds	to 65 mph down	ed power lines
Nuckolls County										
Superior	13	2120CST			0	0	?	?	Hail (1.00) Thunderstorm	Winds
	Hail	stripped corr	fields.	Strong win	nds tip	ped over	a sto	k trailer	at the airport.	
NEVADA										
Lincoln County										
Pioche	05	1210PST			0	0	0	0	Flash Flood	
	A w	eather spotter	in Pioch	e reported	local	flooding	in tov	vn.		
Nye County										
30 SE Tonopah	06	1135PST	?	?	0	0	0	0	Tornado (F0)	
X .	A to	rnado was sp	otted at th	ne norther	n end	of the N	evada	Test Site	.	
Clark County							3			*
Searchlight	06	1202PST			0	0	0	0	Flash Flood	
	Heav rain	vy rains and f fell in 30 mi	lash flood nutes.	is were re	ported	in Searc	hlight	by a we	ather spotter. Ov	er one inch of
White Pine County	06	1625PST-								
Ely	06	1730PST			0	0	3	0	Flash Flood	
	Heav in E	vy rains close ly and East E	d several ly receive	roads in a	nd aro	und Ely asement	due to	floodin ng.	g and mudslides.	A few homes
Nye County Pahrump	13	1330PST			0	0	0	0	Flash Flood	×
F		eather spotter	in Pahru	mp report						
Dougles County	7 X W	camer sponer	III I WIII G	mp report	ou 0.7.	· mones	OI IUI	u m so .	milatos.	
Douglas County 10 SE Minden	15	1525PST			0	0	0	0	Flash Flood	
	Heav	vy rains wash	ed roads	out in Ris	ue Can	yon.		63		
Lander County 25 S Battle Mtn.	15	1848PST			0	0	0	0	Flash Flood	
	The	Lander Coun	ty Sheriff	s Office r	eporte	d floodi	ng on]	Highway	305, south of Ba	ttle Mountain.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	D	imated amage rty Crops	Character of	August 1992
NEVADA Cont'd										
Humboldt County Denio	15	1858PST	9		0	0	0	0	Thunder	rstorm Winds (G52)
	Αw	eather spotter	in Denio	reported	a 60 m	ph wind	d gust	from a	thunderstor	m.
Elko County 30 E Wells	16	1530PST			0	Δ	•	•	TTo:1 /1 1	15)
30 E Wells	16 Sev		reported 1	1 00- to 1		0 -diamet	í ter hail	0 on Inte	Hail (1.2	0 miles east of Wells.
Esmeralda County	SCV	ciai motorists	reported	1.00-10 1.	JO-Mcn	-ulame	ici nan	on mic	istate 60, 5	o miles east of wens.
Silverpeak	16	1801PST			0	0	0	. 0	Flash Fl	ood
	The	Deputy Sheri	ff in Silve	erpeak rep	orted h	eavy ra	in with	street	flooding.	
Esmeralda County Silverpeak	16	1940PST			0	0	0	0	Flash Fl	ood
	Flas	sh flooding was	s reported	on State	Route 2	65 east	and w	est of Si	ilverpeak ar	nd on the county road
Clark County	HOI	n Silverpeak to	Goldfie	iu.						
4 NE Boulder	21	1415PST			0 .	0	0		TL	
City			natcher r	enorted a	•	0 storm v		0 st of 75		storm Winds (G65) Lake Mead National
	Reci	reation Area.	spatcher 1	eported a	munuer	Storm v	viiiu gu	ist of 73	mpn at the	Lake Mead National
Clark County 10 SE Boulder										
City	21	1805PST			0	0	0	0	Flash Flo	ood
	Hear	vy rains produ	ced flash	flooding	in the I	ake M	ead Na	tional F	Recreation A	Area.
Clark County Henderson	30	1128PST			0	0	0	0	Flash Flo	nod
Tichuci Son		vy rain and flo	ooding we	ere reporte	•		•	-		
Clark County			oung	oro roporu	.u 0, u		ponec	doparti	nont in tro	acrison.
Henderson Lander County	30	1147PST			0	0	0	0	Thunder	storm Winds (G52)
Battle Mountain	30	1745PST			0	0	3	0	Thunder	storm Winds (G55)
	The airpo	weather obser- ort received so	ver in Ba	attle Mour r roof dan	ntain red nage.	corded	а 63 г	nph wir	nd gust. A	few homes near the
Clark County	30	1823PST			0	0	0	0	Flash Flo	ood
4	The Valle	Las Vegas Po ey of Fire.	lice Depa	rtment rep	oorted f	lash flo	ooding	on State	e Highway	169 from Overton to
NEW HAMPSHIR	RE				*				4	
Grafton County Lebanon	04	1515EST-					2			
Hanover	7771	1535EST			0	0	?	0		storm Winds
	the v	western Leban n trees at the	on area, s	some of w	hich bl	ocked l	Route	10. Als	and power so, the road	r lines were down in lway was blocked by
Hillsborough County Hollis	04	1600EST			0	0	4	0	Lightning	σ
		tning struck a	nd destro	yed the co	-	NO.	- 2	70		T
	_	n i santana ang a santana ang ang 1 (200)	The second secon						r	g

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of rsons Injured	Est De Prope	timated amage rty Crops	Au Character of Storm	gust 1992
NEW JERSEY, N	Jorth	orn								
Morris County	OI tal								A 2 # 50 #	
Chatam	04	1617EST		18	0	0	?	0	Thunderstorm Win	nds
Bergen County Lyndhurst	04	1650EST	, i		0	0	?	0	Thunderstorm Win	nds
		ouple of thund ral trees and			ped alo	ng a col	d fron	t generat	ed strong enough wind	ls to down
Sussex County Newton Paggaia County	09	1245EST		1976	0	0	?	0	Flash Flood	a a 8
Passaic County W Milford	09	1315EST			0	0	?	0	Flash Flood	
Monmouth County Hazlet	09	1525EST			0	0	?	0	Flash Flood	
	Torr	ential rain ge	enerated by	some iso	olated t	hunders	torms	produce	d considerable floodir	ıg.
Hunterdon County 3 S White House Station	11	1420EST			0	0	?	0	Thunderstorm Win	nds
Readington		×								- H E
Somerset County Somerville	11	1435EST			0	0	?	0	Thunderstorm Win	ıds
Middlesex County E Brunswick	11	1445EST			0	0	?	0	Thunderstorm Win	nds
Monmouth County Cliffwood	11	1456EST			0	0	0	0	Funnel Cloud	
Somerset County Hillsborough	11	1500EST			0	0	?	0	Thunderstorm Win	nde
Monmouth County	11	1508EST			0	0	0	0		IUS
Manalapan Sea Bright	11	1515EST-			100		Cale		Hail (0.75)	N 4
Fair Haven Matawan	12.2	1535EST			0	0	?	.0	Thunderstorm Win	
Atlantic High- lands	11	1531EST			0	0	?	.0	Thunderstorm Win	ıds
Manalapan	11	1537EST			0	0	?	0	Lightning	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	An a New	ssortment of Jersey.	severe we	ather acco	ompanie	ed some	thunc	lerstorm	s as they moved acros	s northern
Bergen County Garfield Fairlawn	26 26	1534EST 1535EST			0	0	?	0	Lightning Flash Flood	
9	Torr cars	ential rain an were strande	d intense li	ightning p ble trappe	roduce d when	d some	isolate tempte	ed proble	ems for Bergen County ess flooded roadways.	y. Several
Monmouth County Union Beach Keyport	28	1955EST- 2100EST			0	0	?	0	Flood	
,-	Very	high tides a	nd torrentia	l rain leac				1	ng coastal sections of l	Monmouth
NEW JERSEY, S	outhe	ern	22)							
Camden County 1.5 NE Gibbsboro	11	1521EST			0	0	?	0	Hail (0.75)	
	Thre	e quarter inc	h hail was	reported.				- " (
Atlantic County Hammonton	11	1615EST		(0.355	0	0	?	0	Thunderstorm Win	nds (G52)
	Thu	nderstorm wi	nd gusts to	60 МРН	were i	reported	•			

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of ersons I Injured	_ D	timated amage erty Crops	August 1992 Character of Storm
NEW JERSEY, S	outh	ern Cont'd							
Cumberland County Vineland Bridgeton Port Norris	11 11 11	1625EST 1625EST 1625EST	2- 	2	0 0 0	0 0	3 3 3	0 0	Thunderstorm Winds Thunderstorm Winds Thunderstorm Winds
* X 5		nderstorm wir	d gusts l	orought do	wn ut	ility line	s and	tree lim	bs. A utility pole was down in
Camden County Blackwood Blackwood Brooklawn	26 26 26	1710EST 1720EST 1736EST	•		0 0 0 0	0 0 0	?	?	Hail (1.0) Hail (0.75) Hail (1.0) Thunderstorm Winds (G65)
	Thui hail MPI	at 1720 EST.	opped ma Quarter	rble-to qua -size hail f	rter-si ell in	ze hail ii Brookla	n Black wn an	kwood a d wind g	t 1710 EST and 0.50 to 0.75 inch gusts were estimated at 70 to 80
Cumberland County Fortesque Bridgeton	28 28	1820EST 1825EST		r.	0	0	3	0	Thunderstorm Winds Thunderstorm Winds
NEW MEXICO	Thur	nderstorm win	d gusts b	rought larg	e tree	limbs de	own.	At least	one tree was down in Bridgeton.
Bernalillo County 5 SW Albuquerque	02	1640MST			0	0	0	2	Hail (0.75)
	A Na	ational Weathe hail broke bra	r Service nches of	cooperativ	e obse	erver in A	Albuqu	uerque's	South Valley reported that dime-
Hidalgo County 2 N Animas	. 08	2100MST- 2145MST		4.0	0	0	3	0	Flash Flood
2 N Animas Lordsburg	08 08	2130MST 2225MST			0	0	3 0 3	3 0	Hail (0.75) Thunderstorm Winds
ž.	Were Nation	closed from onal Weather	2100 M Service c	ST to 2145 ooperative	obser	Γ after a	about orted d	two incl ime-size	Animas. Several county roads hes of rain fell in the area. A hail at 2130 MST. The storms ads brought down power lines at
Colfax County Cimarron	10	1355MST- 1430MST	w .		0	0	4	0	Flash Flood
	Up to	o four inches owo culverts, a	of rain fe nd flood	ll in Cimar ing at least	ron, v	washing nouse.	railroa	ad ties o	nto U.S. Highway 64, knocking
Bernalillo County Albuquerque Valencia County	11	1600MST			0	0	4	0	Lightning
Belen Belen	11 11	1700MST- 2130MST 1710MST			0	0	4	0	Flash Flood Hail (1.75)
1 SE Belen Bernalillo County Albuquerque	11 11	1745MST 1800MST-			ŏ	ŏ	3	ŏ	Thunderstorm Winds (G65)
Socorro County		2200MST			. 0	0	4	0	Flash Flood
Socorro	11	1800MST- 2000MST			0	0	4	0	Flash Flood

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons I Injured	Da	mated mage ty Crops	August 1992 Character of Storm
NEW MEXICO	Cont'	d							* **
	Shor Gran six v occu At 2 Kirt stran floo a 65	rtly afterwards nde Valley, ca vehicles were upants had to 12200 MST, at land Air Fore nded in water ded. Golf bal	s, thunder using flas overcome be rescued ter the race Base. as deep a l-size hail h) wind g	storms with flooding by flood d. Several in had en In Belen, as 3 to 4 flows repoust at 174	th troping in Alliwaters main sided, to four teet. Se rted at 5 MST	cal moi ouquerque (some a streets we vo peop o five i veral st 1710 M	sture du ue, Bele lmost co vere clo ble had nches o reets we ST, and o 4 inch	en and somplete sed for to be a for the close of a radioes of a radioe	vas confined to the roof and attic. very heavy rain in the Middle Rio Socorro. In Albuquerque, at least ely submerged); their drivers and a short time during the evening, rescued from a flooded bridge at caused two dozen vehicles to be sed and a least three homes were o station's anemometer measured ain fell in Socorro. Floodwaters
Socorro County Socorro	12	1200MST			1	. 0	0	0	Lightning
	on c	ampus. This	incident o	occurred o	on a da	y with v	ery few	thund	g while walking near a dormitory lerstorms in the state. Ironically, 1 lab. (M42O)
Santa Fe County Edgewood	14	1715MST			0.	1	0	0	Lightning
		nan was slight to a glass sli			ng struc	k by li	ghtning	while	he was standing inside his home,
Curry County 4 NE Cannon Air Force Base	16	1908MST						440	Funnel Cloud
		unnel cloud 4 erver.	miles no	ortheast of	f Cann	on Air	Force 1	Base w	as reported by the base weather
Colfax County 6 NNW Springer 6 NNW Springer	17 17	1700MST 1700MST	0.5	30	0	0	4	3	Tornado (F1) Hail (1.00)
	of the	wo homes and	peeled to trees w	he alumin ere stripp	um sid	ing off heir lea	one of twee. Ha	them. ail dan	15 minutes. It damaged the roofs A telephone pole was pulled out naged buildings, broke windows, and oats.
Eddy County Carlsbad	21	1650MST			0	0	0	0	Thunderstorm Winds (G56)
	A g	ust to 56 knot	s (64 mpl	h) was rec	orded	in Carls	sbad du	ring a	thunderstorm.
Hidalgo County	23	2130MST- 2300MST			0	0	0	0	Flash Flood
Catron County	24	0015MST- 0115MST			0	0	3	0	Flash Flood
	east repo	of Animas in	n Hidalgo Highway rn Pacific	County 180, abou	late on it 5 mil	the 23 es south	Brd. A n of Lur	few h	arroyos flooded out of their banks ours later, a rock/mudslide was atron County. Moisture from the ooding as it moved north through
Lea County 15 SE Tatum	31	1212MST			0	0	0	0	Hail (0.75)
			l dime-siz	ze hail sou					exas state line.
Eddy County Carlsbad Airport	31	1458MST			0	0	3	0	Thunderstorm Winds (G52)
Carlsbad Airport Carlsbad	31 31	1500MST 1520MST-			0	2	4	0	Hail (2.50)
		1630MST	138		0	0	4	0	Flash Flood

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	D	timated amage rty Crops	August 1992 Character of Storm
NEW MEXICO O	ont?	d				v			
MEW MEXICO	JUIL (
Carlsbad 1 NE Carlsbad	31 31	1535MST 1610MST			0	0	0	0	Hail (1.75) Hail (0.75)
	of 5 billb dam at 1:	2 knots (60 n loards. Golf aging numero 535 MST and	nph) was ball- to to ous cars a l 1610 M	recorded a ennis ball- nd at least ST. Betw	at the C size hai one jet een the	arlsbad l fell at . In the ee and	Airpo the air city four i	ort at 145 irport, sl of Carlsl inches of	around Carlsbad. A wind gus 58 MST, breaking a few nearby ightly injuring two people, and bad, spotters reported large hair rain fell in Carlsbad, flooding yeen 1520 MST and 1630 MST
Valencia County 11 E Los Lunas Los Lunas	31 31	1623MST 1623MST	* ",		0	0	0	0	Hail (1.75) Hail (1.00)
200 24.445	The		lice repor	ted golf ba	ıll-size l	nail fell	in Me	adow Lal	ke between 1615 MST and 1630
December Country	11101	, and quarto	i Sizo Hai	. 111 1203 120	allas at	ine sam	o time	<i>,</i> .	
Roosevelt County 3 E Kenna	31	2300MST		ST:	0	0	0	0	Hail (0.75)
1 E Kenna	31	2310MST			Ŏ	Ŏ	Ŏ	ŏ	Hail (1.25)
	An e	early morning	g thunder Office rep	storm becorted dim	ame sev e- to ha	vere in lf-dolla	souther-size	east Roo hail fell	sevelt County. The Roosevelt east of Kenna.
NEW YORK, Cer		38		*	-				
Saratoga County Clifton Park	03	2140EST			0	0	3	0	Thunderstorm Winds
	Thur	nderstorm wir	nds down	ed trees in	Clifton	Park o	n Aug	gust 3rd.	
Saratoga County Moreau	04	1230EST		¥i	0	0	3	0	Thunderstorm Winds
Schuylerville Washington County	04	1230EST			Ŏ	Ŏ	3	Ŏ.	Thunderstorm Winds
Hartford Hartford	04 04	1300EST 1300EST	1.0	100	0	0	4	3	Tornado (F1) Hail (0.75)
Herkimer County Lake Keyser	04	1305EST	0.2	10	0	0	4	0	Tornado (F0)
Dolgeville Fulton County	04	1305EST			Ō	Ŏ	3	Ŏ	Thunderstorm Winds
Oppenheim	04	1305EST			0	0	3	0	Thunderstorm Winds
Washington County Hebron	04	1320EST			0	0	3	0	Thunderstorm Winds
Granville	04	1325EST		ħ	0	0	3	0	Thunderstorm Winds
Granville Albany County	04	1325EST			0	0	0	0	Hail (0.75)
Ravena Ulster County	04	1600EST			0	0	0	0	Hail (1.75)
West Park	04	1605EST			0	0	3	0	Thunderstorm Winds
Rensselaer County East Greenbush Columbia County	04	1615EST			0	0	3	0	Thunderstorm Winds
Stuyvesant	04	1615EST			0	0	3	0	Thunderstorm Winds
Dutchess County Rhinebeck	04	1620EST			0	0	3	0	Thunderstorm Winds

Severe thunderstorms developed across eastern New York ahead of a cold front which moved southeast from the Saint Lawrence Valley on the morning of August 4th. The severe thunderstorms spawned two tornadoes, the first touched down in Hartford in Washington County and the second along Lake Keyser in Herkimer County. The tornado in Hartford took part of the roof off the Hartford Town Barn and uprooted or twisted off many trees some of which landed on homes. Crop damage also occurred in the area from the tornado and the hail which accompanied the storm. In Herkimer County a small, short-lived tornado downed trees and damaged homes and docks along the west shore of Lake Keyser. The remainder of the damage reported from the severe

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons i Injured	D	timated amage erty Crops	Character of Storm	August 1992
MINI YORK C	12	O (11)								
NEW YORK, Cer					10.00 m to 10.00 m			v	22 20 20 4 • 25 25 35	
Ulster County	tnun	derstorms co	nsisted of	downed to	rees, la	arge tree	e iimbs	s and po	werlines.	. 10
Phoenicia Greene County	09	1225EST			0	0	3	0	Thunderstorm	Winds
Coxsackie Dutchess County	09	1554EST			0	0	3	0	Thunderstorm	Winds
East Fishkill Pawling Holmes	09 09 09	1600EST 1600EST 1600EST			0 0 0	0 0 0	4 4 3	0 0	Thunderstorm Thunderstorm Thunderstorm	Winds
	the after hom topp	morning of A rnoon with so les were dama	August 9t uthern Du ged wher of the ho	h. Severo tchess Cou trees fell mes. In P	e thun unty re on por awling	derstorn ceiving werlines and Ho	ns dev the bru s attach	eloped ant of the aed to the	a front into eastern across portions of e damage. In East e homes and a chi trees blocked road	f the area that Fishkill, three mney was also
Cortland County Cortlandville Cortland	11 11	0430EST 0430EST			0	0	3 4	0	Thunderstorm Thunderstorm	
	duri wire	ng the early i	morning l ed in Cort	nours of A	ugust	11th.]	In Cor	tland Co	noved through cen ounty fallen trees, Cortland sustained	branches, and
Ulster County Kerhonkson	25	1345EST			0	0	3	0	Thunderstorm	Winds
Saratoga County Schuylerville	25	1600EST			0	0	3	0	Thunderstorm	
Sullivan County Yulan	25	1610EST			0	0	3	0	Thunderstorm	Winds
	Thu also	nderstorm win downed trees	nds down and tree	ed trees in limbs.	Kerho	onkson a	and Sc	huylervi	ille In Yulan thunc	lerstorm winds
Warren County Lake George	27	1400EST			0	0	2	0	Thunderstorm	Winds
Montgomery County Palatine Bridge	27	1730EST			0	0	2	0	Thunderstorm	Winds
Fulton County Ephratah Caroga Lake	27 27	1750EST 1815EST			0	0	3	0	Thunderstorm Thunderstorm	
	Seve Sain	ere thundersto t Lawrence V	rms deve	loped in the August 27	ne Mol th.	hawk Va	alley a	head of	a cold front which	h stalled in the
	Thu Villa	nderstorm win age of Lake C	nds down George.	ed trees in	Palati	ne Bridg	ge, Epl	hratah a	nd Caroga Lake as	s well as in the
Tioga County Campville Cortland County	28	1915EST			0	0	3	0	Thunderstorm	Winds
Cortland Homer Broome County	28 28	2015EST 2025EST			0	0	3	0	Thunderstorm Thunderstorm	Winds Winds
7 SE Binghamton Cortland County	28	2030EST			0	0	3	0	Thunderstorm	Winds
Cuyler Marathon	28 28	2045EST 2045EST			0	0	3 2	0	Thunderstorm Thunderstorm	
NYZ010-018-019 Eastern Mohawk Valley, Catskills and Western	28	2100EST- 2200EST			0	0	3	0	High Winds	E 34

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons d Injured	L	stimated Jamage erty Crops	Character of Storm	August	1992
NEW YORK, Cer	ıtral	Cont'd								ar a	
Adirondacks											
Chenango County Smithville Flats	28	2115EST			0	0	3	0	Thunderstorm	Winds	
Broome County Binghamton Otsego County	28	2115EST			0	0	3	0	Thunderstorm	Winds	
Schuyler Lake Delaware County	28	2159EST			0	0	3	0	Thunderstorm	Winds	
Andes Herkimer County	28	2200EST			0	0	3	0	Thunderstorm	Winds	
Dolgeville	28	2255EST			0	0	3	. 0	Thunderstorm	Winds	
Montgomery County Fonda Schenectady County	28	2320EST			0	. 0	3	0	Thunderstorm	Winds	
Glenville	29	0020EST			0	· " 0 .	3	0	Thunderstorm	Winds	
Saratoga County Halfmoon	29	0040EST			0	0	3	0	Thunderstorm	Winds	
Albany County Selkirk Cohoes Rensselaer County	29 29	0045EST 0045EST			0	0	3	0	Thunderstorm Thunderstorm	Winds Winds	
Rensselaer Melrose	29 29	0053EST 0100EST			0	0	4	0	Thunderstorm Thunderstorm		
Schenectady County Schenectady	35-fc	oot section of	siding wa	as blown o	off of t	he Amtr	ack W	/heel Bar	he City of Renss n. Lightning		,
edit was to test	A lig	htning strike v	was to bl	ame for a	power	outage t	hat af	fected 4,2	200 customers or the Front Street	the after	rnoon
NEW YORK, Coa	stal										
Orange County Greenwood Lake Rockland County	04	0430EST	x .		0	0	4	0	Thunderstorm	Winds	
Haverstraw Mt. Ivv	04 04	0523EST 0526EST			0	0	0	0	Hail (1.00) Hail (0.75)		
Westchester County Montrose	04	0530EST		- 5	0	0	0	0	Thunderstorm	Winds (G52)
Putnam County Lake Carmel	04	0531EST			0	1	?	0	Lightning		
Queens County 5 N LaGuardia	04	1700EST			0	0	0	0	Waterspout		
Airport	in Gros	s the area this reenwood Lak	morning te. In I la. Late	g. A micro ake Carm r in the da	oburst iel, a	from on woman	e of the	hese stori njured w	werful group of ns caused consid hen struck by li ont generated a v	erable da	mage while
Orange County Unionville	09	1215EST			0	0	?	0	Lightning		
Westchester County Scarsdale Mamoroneck	09 09	1445EST 1445EST			0	0	0 ?	0	Hail (0.75) Flash Flood	9 3	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of ersons I Injured	Es D Prope	timated amage rty Crops	Character of Storm	August 1992
NEW YORK, Coa	astal	Cont'd						*		
1,2,, 101,11, 00,			d hail wa	n ganarata	d by a	abort lin	a of t	hundara	orms that moved t	heovah dusina
	the e	early afternoon	n hours.	In Union	ville, a	home w	as da	maged v	when it was struck	by lightning.
Orange County	44	12.400000	(3)				^		TT 11 (0.75)	
Middletown Putnam County	11	1240EST		**	0	0	0	0	Hail (0.75)	
Mahopac Rockland County	11	1330EST			0	1	?	0	Lightning	
Nanuet	11	1423EST	*:		0	0	0	0	Hail (1.00)	
Westchester County Countywide	11	1445EST			0	0	?	0	Thunderstorm	Winds
N Salem Richmond County	11 11	1445EST 1455EST			0	0	?	0	Lightning Thunderstorm	
Rockland County						-				Winds (G32)
New City Nassau County	11	1519EST 1540EST			0	0	?	0	Lightning Thunderstorm	Winds
Suffolk County Huntington	11	1600EST			0	0.	? .	0	Thunderstorm	Winds
Republic Airport Northport	11 11	1610EST 1620EST	A	*	0	0	0	0	Thunderstorm Flash Flood	Winds (G55)
Bethpage	11	1625EST			Ŏ	1	Ō	0	Lightning	W. 1. (CEE)
Bohemia Countywide	11 11	1629EST 1702EST-		es.	0	0	0	0	Thunderstorm	TOTAL SELECTION AND SERVICE OF THE S
		1730EST			0	0	?	0	Thunderstorm nt moving into ver	
	with Golf	this system a	s several lfer was	homes we	re sub	stantially	dama	iged afte	Lightning was also er being struck. A d in Mahopac, a n	t the Bethpage
Westchester County New Rochelle Pelham	18	0000EST			0	0	?	0	Flash Flood	> =
2 0	Loca Man	ally heavy rain y cars were r	of arous	nd two incl stranded as	nes pro they a	duced so	me q	uick floo oss floo	oding across Westo ded roadways.	hester county.
Orange County West Point	28	2130EST			0	0	?	0	Thunderstorm	Winds
Suffolk County N Babylon	28	2153EST			0	0	?	0	Thunderstorm	Winds
		nall low pres		a, the ren	nnants	of Hur	ricane	Andre	w, generated som	e isolated but
NEW YORK, We	stern							27 20		2
Oswego County	04	1120EST			0	0 .	4	0	Flash Flood	
9	satur strea	ated from the	ree to fo	ur inches	of rain	on the	previ	ous day	unty. The ground s. Numerous cre le due to flooding	eks and small
Niagara County	04	1630EST			0	Λ.	4	0	Ha:1 (1 00)	
Youngstown			arctorm :	noved on	0 shore t	0 from Lak	4 re On	0 tario pr	Hail (1.00)	nail The hell
	accu	mulated to ne	ar six in	ches deep i	n som	e spots.	C OI	rario pr	oducing one inch l	ian. The nail
Chautauqua County Ripley	08	1640EST			0	0	4	0	Hail (1.75)	

	_	Time Local/	Path Length (Miles)	Path Width	Pe	mber of	D	timated amage	6	August 1992
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Prope	erty Crops	Character of Storm	
NEW YORK, We	sterr	Cont'd								
Cattaraugus County Little Valley Humphrey Ischua	08 08 08	1753EST 1825EST 1855EST			0	0 0	4 4	0	Thunderstorm Thunderstorm Thunderstorm	Winds
Allegany County Cuba	08	1900EST			0	0	4	0	Thunderstorm	Winds
Chautauqua County Jamestown Fluvana Cattaraugus County Portville	08 08 08 08	1915EST 1922EST 2000EST 2015EST			0 0 0	0 0 0	4 4 4 4	0 0 0	Thunderstorm Thunderstorm Flash Flood Thunderstorm	Winds
Allegany County Bolivar Chautauqua County	08 08	2025EST 2030EST			0	0	4	. 0 .	Thunderstorm Flash Flood	Winds
4 °	flow proc scatt hour	of warm, mo luced torrential tered power ou	oist, unsta l downpoutages wer ash flood	able air to urs but dan re reported ing in som	the re naging lacros e place	egion. winds s the ar	The the and land rea. T	hundersto rge hail. 'he heavy	ern Ontario bring orms which devel Downed trees, p rains, up to two water rose to near	oped not only ower lines and inches in one
Erie County Lancaster Orleans County	10	2040EST	· ·		0	0	4	0	Thunderstrom	Winds
Orleans County Carlton	10	2110EST		*	0	0	4	0	Hail (0.75)	
Wayne County Williamson	10	2115EST			0	0	4	0	Thunderstorm	Winds
Monroe County Webster Gates	10 10	2120EST 2125EST			0	0	4	0	Thunderstorm Lightning	Winds
Jefferson County Adams	10	2159EST			0	0	4	0	Thunderstorm	Winds
Wyoming County Gainseville	10	2340EST			0	0	4	0	Thunderstorm	Winds
	the l	late evening ho	ours. The Williams	e thunders son, the ro	storms	downe	d trees	s and por	and Central New wer lines resultin lightning strike i	g in scattered
Steuben County Painted Post	28	1800EST			0	0	4	0	Thunderstorm	Winds
Chemung County Elmira	28	1915EST			0	0	4	0	Thunderstorm	Winds
Schuyler County Odessa	28	1930EST			0	0	4	0	Thunderstorm	Winds
Tompkins County Dryden	28	1930EST			0	0	4	0	Thunderstorm	Winds
	Thur	nderstorms dev ned trees and v	eloped ah vires whi	ead of a co	old fro	nt durir attered	ng the power	evening l outages.	ours. The thund	erstorm winds
Cayuga County	28	2330EST			0	0	4	0	Flash Flood	V
	Fairl	nderstorms dur naven, Crane I ling was report	Road was	vy rains o washed o	over a ut. In	lready : Port B	saturat Syron,	ed groun small str	d producing flas eams overflowed	sh floods. In and drainage
NORTH CAROLI	NA									
Columbus County Cerro Gordo	04	1440EST			0	0	4	0	Thunderstorm	Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons i Injured	Es D Prope	timated amage rty Crops	Character of Storm	August 1992
NORTH CAROL	-N7.4	0.411								
NORTH CAROL	INA	Cont'a								
	Stro	ong winds ripp es west of Wh	ed the roc iteville.	of off a mo Damage v	obile he vas esti	ome and mated a	destro	yed a sto 500.	rage shed in this	community 12
Wayne County Southern Portion Greene County	05	1735EST			0	0	0	0	Thunderstorm	Winds
Snow Hill	05	1755EST			0	0	0	0	Hail (1.00)	Too
Carteret County Over Atlantic Coastal Waters	06	1025EST			0	0	0	0	Waterspout	"£ ≋ n
Vance County Henderson	09	1410EST			0	0	4	0	Lightning	18
		ntning and the	resultant	fire destr	oved a	_				
Cumberland County						9				14 (47
Spring Lake	09	1740EST			0	0	4	0	Lightning	
Deservation in the American	Ligi	htning and res	ultant fire	s destroye	ed a m	obile ho	me and	d damage	d a house.	
Brunswick County Shallotte	10	0200EST			0	0	5	0	Lightning	953
	One	home was de	stroyed b	y lightnin	g and	he resul	tant fi			2
Buncombe County										
Candler Near Asheville Alamance County	11 11	1315EST 1745EST			0	0	0	0	Thunderstorm Thunderstorm	
7 E Burlington	11	2200EST			0	0	0	0	Thunderstorm	Winds
Guilford County 2 W Greensboro	-11	2210EST		1 5 93	0	0	0	0	Thunderstorm	Winds
Person County 8 W Roxboro	11	2220EST			0	0	0	5	Thunderstorm	Winds
	Win \$10	d blew trees 0,000.	and crops	down nea	ar Oliv	e Hill.	Dama	ge to the	tobacco crop w	as estimated at
Guilford County 10 NE Greensboro	11	2226EST			0	0	0	0	Thunderstorm Hail (1.75)	Winds (G57)
Orange County White Cross 5 N Chapel Hill	11 11	2228EST 2250EST			0	0	0	0	Thunderstorm Thunderstorm	
Washington County						Ť				1.1.7.1.7.2.
22 E Plymouth	12	1330EST		4	0	0	2	0	Thunderstorm	Winds
Clausland County	1 nu	nderstorm wii	nas aowne	ed trees ar	id dam	aged roo	ois and	i buildin	gs.	
Cleveland County Casar	12	1411EST			0	0	3	0	Thunderstorm	Winds
	Win	ds caused roo	f damage	to several	homes	and a sc	hool a	nd blew o	out windows at th	ree businesses.
Wilson County Western Portion	12	1420EST- 1445EST			0	0	0	0	Thunderstorm	Winds
Lincoln County		+ 2	. *		8 9		Ī		Hail (0.75)	W 875
Denver	12	1451EST			0	0	0	0	Thunderstorm	Winds
Cumberland County 5 S Fayetteville	12	1454EST			0	0	0	0	Thunderstorm	Winds (G58)
Columbus County 17 S Whiteville	12	1515EST		8	0	0	3	0	Thunderstorm	Winds
		of a mobile h	ome roof	was blow	n off	and a tre				

Assessed 1002

	ς.	Time Local/	Path Length (Miles)	Path Width	P	umber of ersons	D	timated amage	August 1992
Location	Date	Standard	(Miles)	(Yards)	Kille	d Injured	Prope	erty Crops	Character of Storm
NORTH CAROLI	NA	Cont'd							· · · · · · · · ·
Pitt County Ayden	12	1515EST			0	0	0	0	Thunderstorm Winds
Lincoln County 3 W Denver	12	1518EST			0	0	3	0	Thunderstorm Winds
		es were blown	down, o	ne atop a	mobile	e home,	anothe	er on a h	
Sampson County 4 E Garland	12	1530EST		•	0	0	0	0	Thunderstorm Winds
Wayne County Goldsboro	12	1530EST			0	0	4	0	Lightning
	Ligh	htning caused	structura	l damage t	o three	e homes.			
Chatham County Harpers Crossroads	12	1535EST			0	0	0	0	Hail (0.75)
Duplin County Warsaw	12	1630EST			0	0	3	0	Lightning
	Ligh	ntning caused	structura	damage t	o a ho	use.			
Wake County 5 NE Rolesville	12	1630EST		/24	0	0	2	0	Thunderstorm Winds
Enceldin Country	Thu	nderstorm wir	nds rippe	shutters	off a h	ouse and	dow	ned large	e tree limbs.
Franklin County Central Dare County	12	1715EST			0	0	0	0	Thunderstorm Winds
Manteo Onslow County	13	2210EST			0	0	0	0	Thunderstorm Winds
Richlands	14	1630EST			0	0	3	0	Thunderstorm Winds
	A tu	rkey house w	as destro	yed by thu	nderst	orm win	ds.		
Carteret County Bogue Sound Bladen County	14	1844EST			0	0	0	0	Waterspout
5 N Rowan	15	0259EST			0	0	0	0	Thunderstorm Winds
Currituck County Bells Island	15	0710EST	0.8	70	0	0	4	0	Tornado (F1)
4 SE Currituck	Two and	small houses trees broken o	were de	stroyed, two	vo mo	bile hom	es ove	erturned,	, a store building was damaged,
Knotts Island 10 NE Currituck	15	0720EST	0.5	30	0	0	3	Δ.	Tomada (F0)
TO ME CUITITUES	222022								Tornado (F0) a shed was destroyed, and trees
	were	broken off a	nd twiste	d.	u at a	n cicinci	itary s	school, a	a shed was destroyed, and trees
Brunswick County 1 S Ocean Isle Eastern North	15	0720EST	×		0	0	0	0	Waterspout
Carolina	16- 28				0	0	6	6	Flood
	A co	ld front stalled	l over each	tern North	Caro	lina Aum	iet 12	h and li	ngered for 8 days before moving

A cold front stalled over eastern North Carolina August 12th and lingered for 8 days before moving out on August 20th. Tropical moisture flowing northward from the eastern Gulf of Mexico and off the Atlantic Ocean clashed with the front to produce between 8 and 15 inches of rain over a broad area in the coastal plain and coastal areas during the eight day period. This produced widespread flooding in Wayne, Wilson, Lenoir, Hertford, Bertie, Martin, Pitt, Pender, Duplin, Sampson, Bladen, and Columbus Counties. Many streams and creeks in the area experienced the worst flooding in over 40 years. However, there were no reports of injuries or deaths associated with the flooding.

Pender County reported the greatest amount of damages with 75 homes being flooded and damage estimated at about \$1 million. Duplin County had about \$100,000 of property damage, including

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of rsons Injured	D	timated amage rty Crops	August 1992
NORTH CAROLI	NA (Cont'd							
NORTH CINODI			10.0	00 111				TT 46	10 1 101
	floo with	ded and Potec	asi and A	hoskie Cr ce interva	eeks h ls. On	ad stag the 21s	e and o	discharge Northeas	l County, about 30 homes wer e readings comparable to flood t Cape Fear River at Chinquapi 6 feet.
	proc	lucers were ke	pt out of	their field	ls for t	wo wee	ks and	fields o	d by floodwaters. Agricultura f vegetables rotted because the are tobacco, cotton, and corn.
Buncombe County 4 NW Asheville	17	0730EST			0	0	4	0	Flash Flood
	nort	r two inches of hwest of Ashe also damaged	ville floo	a short p ded creeks	eriod and c	of time aused \$	over 30,000	steep ter damage	rain in the Erwin Hills section to nine homes, and one bridg
Macon County		1000000							700 T
Southern Portion Transylvania County	27 27	1900EST 1900EST			0	0	4	0	Thunderstorm Winds Thunderstorm Winds
Henderson County	27	1910EST			Ö	Ŏ	3	Ŏ	Thunderstorm Winds
Avery County	28	0000EST		_	0	U	0	0	Thunderstorm Winds
	early	y on the 28th.	Associa eral locati	ted thund	erstorr	as prod	luced h	igh wind	mountains late on the 27th an ls that knocked down trees an s fell atop houses, but no injurie
Greene County Western Portion	28	1410EST- 1430EST			0	0	0	0	Thunderstorm Winds
Lenoir County 10 SW Kinston	28	1455EST	,		0	0	0	0	Thunderstorm Winds Thunderstorm Winds
Pitt County 6 E Greenville 10 S Greenville	28 28	1501EST 1510EST			0	0	3	0	Thunderstorm Winds (G65 Thunderstorm Winds
73 -70 -75 - 75 - 75 - 75 - 75 - 75 - 75 -	200	oth locations,	winds car	ised dama	ge to s	tructur	71	outhuild	
Pasquotank County	0	om rocurrons,	Winds car	isou dumi	go to t	ni actui	os ana	outound	
Elizabeth City	28	1635EST			0	0	0	0	Thunderstorm Winds (G50
NORTH DAKOTA	•								
Benson County 30 NW Oberon Stutsman County	02	1710CST			?	?	?	?	Funnel Cloud
Pingree County	06	1545CST			0	0	4	4	Hail (1.00)
Bottineau County Lansford Traill County	08	1827CST			0	0	0	0	Hail (0.75)
Mayville	22	2055CST			0	0	4	4	Thunderstorm Winds (G58)
	3 fee	et in diameter,	and branc	ches 1 foot	t in dia	meter v	vere br	oken off	area. The winds uprooted tree the trees. The tree damage wa and a large barn.
Mountrail County 5 W Stanley	28	2050CST			0	0	0	.0	Thunderstorm Winds (G52
OHIO									
Marion County Prospect	02 03	1000EST- 1400EST			0	0	1	2	Flood
, P ₁	The	Scioto River l	novered a	t the flood	l stage	of 9 fe	et.		

Touristan	Date	Time Local/ Standard	Path Length (Miles)	Path Width	Per	nber of sons Injured	Da	imated image	Character of Storm	August 1992
Location	Date	Sundard	(Miles)	(Yards)	Killed	Injured	Proper	ty Crops	Character of Storm	
OHIO Cont'd									*	3
Summit County Canton-Akron	03	2255EST	€	Wes.	0	0	4	0	Thunderstorm	Winds (G51)
Arpt Stark County North Canton	03	2315EST		105	0	0	4	0	Flash Flood	
	A th	nunderstorm p	roduced b	oth high v	vinds a	nd enou	gh rai	n to cau	se street flooding.	:
Trumbull County	08	1710EST	*		0	0	4	0	Thunderstorm	Winds
Lordstown Ashtabula County Andover	08	1715EST			0	0	4	0	Thunderstorm	Winds
Wayne County NE Sections	08	1715EST			0	0	4	0	Flash Flood	
	Thu	nderstorms do	wned tree	s and cau	sed stre	et flood	ling.	755		
Stark County North Canton	08	1730EST	. ,		1	0	0	0	Lightning	
	A m	nan was fatally	injured b	y lightnin	g while	worki	ng on a	roof. ((M310)	
Portage County	08	1745EST			0	.0	4	0	Flash Flood	
Deerfield Summit County Western Akron	08	1745EST	t:		0	0	4	0	Flash Flood	
Mahoning County 3 E Youngstown	08	1755EST			0	0	4	0	Thunderstorm	Winds
Stark County	08	1800EST-			0	0	5	0	Flash Flood	
County Wide Stark County County Wide	08 08	2030EST 1830EST			0	0	4	0	Thunderstorm	Winds
Summit County County Wide	08	1845EST			0	0	4	0	Thunderstorm	Winds
	Thu	nderstorms cau	ised stree derstorms	t flooding also felle	at seve	eral loca at sever	tions,	with the	worst problems	being in Stark
Licking County 2 E Saint Louisville	08	1845EST	0.2	30	0	0	4	0	Tornado (F0)	
	A sr	nall tornado d	estroyed t	rees and u	itility li	nes.				
Hamilton County	10 10	0655EST-			0	0	4	0	Flash Flood	
County Wide Warren County	10	0845EST 0730EST-			0	0	4	0	Flash Flood	lai
County Wide Clermont County	10 10	0915EST 0800EST-			0	0	4	0	Flash Flood	
County Wide Clinton County County Wide	10 10 10	0900EST 0800EST- 0900EST			0	0	4	0	Flash Flood	Ng.
County Wilde		ning thunderst	orms floo	ded roads	1					
Geauga County County Wide	10	1755EST		7.68E	0	0	5	0	Thunderstorm '	Winds
Geauga County	10	1800EST-			0	0	4	0	Flash Flood	v ž
County Wide Geauga County 3 S Burton	10 10	2100EST 2108EST			0	0	4	0	Thunderstorm '	Winds
Cuyahoga County Seven Hills	10	2140EST			0	0	4	0	Thunderstorm '	Winds
Erie County	10	2250EST			0	0	4	0	Thunderstorm '	Winds
County Wide Portage County County Wide	10	2310EST			0	0	4	0	Thunderstorm \	Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Num Pers Killed	ber of ions Injured	Da	imated image ty Crops	August 1992 Character of Storm
OHIO Cont'd									
Lorain County	10	2330EST			0	0	4	0	Thunderstorm Winds (G53
Lorain Harbor Cuyahoga County	10	2348EST			0	1	5	0	Thunderstorm Winds (G65
Downtown Cleveland Columbiana County South Half	11 11	0000EST- 0200EST			0	0	5	0	Flash Flood
f 2	wide	spread. Sever	al structu	res suffer	ed wind	damag	e in C	Jeauga C	amage and road flooding wer county, a man was injured by were at least partially washe
Lorain County County Wide Miami County	26 26 26	1715EST- 1915EST 2022EST			0	0	4	0	Flash Flood Thunderstorm Winds
Tipp City	20	2022ES1			v	U	-	. 0	Thunderstorm Winds
	Thur	nderstorms cau	ised stree	t flooding	in Lora	ain Cou	nty ar	d destro	yed trees in Miami County.
Butler County 2 SE Hamilton	27	1300EST			0	0 .	4	0	Thunderstorm Winds
Lawrence County Portsmouth	27	1310EST			0	0	4	0	Thunderstorm Winds
Hamilton County Northern Half	27	1325EST			0	0	4	0	Thunderstorm Winds
Auglaize County	27	1352EST			0 -	0	3	5	Hail (2.75)
1 NE Wapakoneta Butler County Hamilton-Fairfield	27	1508EST			0	0	4	0	Thunderstorm Winds
	Thur	nderstorms do	wned tree wiped ou	s and util	ity lines in Augla	, and al	so pro	duced la	arge hail. About 2,000 acres of
Ashland County Loudonville	27	1519EST	Short	50	0	0	4	0	Tornado (F0)
	A sn	nall tornado da	amaged to	ees, utilit	y lines,	and so	me str	uctures.	
Hancock County 1 E Vanlue	27	1530EST			0	0	2	3	Hail (1.00)
Wyandot County	27	1600EST			0	0	4	0	Thunderstorm Winds
Upper Sandusky-Nevae Crawford County 7 W Chatfield	27	1618EST			0	0	3	0	Thunderstorm Winds
*2	Thur	derstorms dan ter sized hail i	naged tre n Hancoo	es and uti	lity line	s in Cr	awfor	d and W	yandot Counties, and produce
Franklin County 15 NNW Columbus	27	1650EST	1.0	50	0	0	4	0	Tornado (F0)
	A to	rnado tore dov	vn trees a	ınd utility	lines, a	nd dan	aged	the roof	of a business.
Cuyahoga County County Wide	27 27	1715EST- 1815EST			0	0	5	0	Flash Flood
Lorain County	27	1715EST-			0	0	5	0	Flash Flood
County Wide Lorain County	27	1717EST			0	0	1	1	Hail (0.75)
Penfield Geauga County	27	2127EST-			0	0	4	0	Flash Flood
County Wide Lake County County Wide	28 27 28	0030EST 2127EST- 0030EST			0	0	4	0	Flash Flood

Thunderstorms caused considerable street flooding. Basement flooding also occurred in Cuyahoga and Lorain Counties. Dime sized hail was observed in Lorain County.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		iber of sons Injured	D	timated amage erty Crops	August 1992 Character of Storm
OHIO Cont'd									
Erie County	30	1049EST			0	0	1	0	Hail (0.75)
Sandusky Lake County	30	1109EST			0	1	0	0	Lightning
Painesville Geauga County	30	1124EST			0	0	2	0	Hail (1.75)
South Russel Ashtabula County	30	1128EST			0	0	1	0	Hail (0.75)
Jefferson Cuyahoga County	30	1130EST			0	0	2	0	Hail (0.75)
North Royalton Summit County	30	1130EST			0	0	2	0	Hail (1.00)
Brecksville Geauga County	30	1139EST			0	0	2	1	Hail (1.75)
4 S Chardon Portage County	30	1230EST			0	0	2	0	Hail (1.75)
Kent		•							* *
OKLAHOMA McClain County	old l	ooy suffered mi	nor injur	ies as he v	vas stru	ick by li	ightni	ng while	ots in northeast Ohio. A 6 year climbing a fence in Painesville.
6 W Purcell Jefferson County	01	1335CST			0	0	?	?	Thunderstorm Winds (G52)
2 E Grady	01	1622CST			0	0	?	?	Thunderstorm Winds (G61)
Love County Simon	01	1630CST			0	0	?	?	Hail (0.75)
Alfalfa County 1 W Burlington	01	1705CST			0	0	?	?	Hail (1.00)
Atoka County Farris Coddo County	01	1730CST			0	0	?	?	Hail (0.75)
Carnegie	01	1735CST			0	0	?	?	Hail (0.75)
Pushmataha County Antlers Woods County	01	1745CST			0	0	?	?	Thunderstorm Winds
Alva	01	1755CST			0	0	?	?	Hail (0.75)
Kiowa County 6 E Mountain	01	1830CST			0	0	?	?	Hail (1.75)
View 8 S to 2.8 E Mountain View	01	1900CST			0	0	?	?	Hail (0.75)
Washita County 3.5 S Cowden	01	1905CST			0	0	?	?	Hail (0.75)
Caddo County Carnegie	01	1905CST			0	0	?	?	Hail (0.75)
Woodward County Alabaster Caverns 8 N to 2 W Woodward	01 01	2045CST 2140CST			0	0	?	?	Hail (0.88) Hail (1.50)
Boiling Springs	01	2204CST			0	0	?	?	Hail (0.75)
State Park Woodward	01	2225CST			0	0	?	?	Hail (1.00)
	north	re thunderstor western Oklaho golf ball-size	oma. Hi	gh winds f	rom a	d acros severe ti	ss sor	utheastern rstorm do	n, central, southwestern, and owned trees at Antlers, and hail
Pittsburg County 3 S Savanna 2 NNE to 0.5 W Pittsburg	02 02	1610CST 1610CST		ğ.	0	0	?	?	Hail (0.88) Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons d Injure	Es D	timated amage rty Crop	August 1
Location	Date	Sundard	(Miles)	(Tarus)	Kuice	i injure	и гторе	ну стор	s Character of Storm
OKLAHOMA Con	nt'd								
1 E Kiowa	02	1620CST			0	0	?	?	Thunderstorm Winds
Latimer County Near Damon	02	1625CST			0	0	?	?	Hail (0.75)
toka County Farris	02	1730CST		e	0	0	?	?	Hail (0.75)
ushmataha County Antlers	02	1745CST			0	0	?	?	Thunderstorm Winds
	Okla in a Pitts and dam dow hail	ahoma durin northeast to sburg. In this a batting ca	g the late a southwes s area a sto ge was blo	st oriented orage build own down	of Augu path ling wa at Pith	st 2nd. from 2 s overt tsburg	Dama miles urned, High So nor ship	ging w north o an awni chool.	atimer Counties of southeastinds occurred in Pittsburg Conf Pittsburg to 0.5 miles were made as blown off a mobile has a barn also received substant mage. Thunderstorm winds a barn just east of Kiowa. Luth of Savanna and dime-size
lowata County	Seve	ere thunders	torm wind	s downed	power	lines in	Antler	s.	71
S Coffeyville Ottawa County	03	1200CST			0	0	?	?	Thunderstorm Winds
Afton Miami Iayes County	03 03	1245CST 1246CST			0	0	?	?	Thunderstorm Winds (C Thunderstorm Winds (C
Adair Oelaware County	03	1258CST			0	0	?	?	Thunderstorm Winds (C
Bernice	03	1300CST			0	0	?	?	Thunderstorm Winds
ulsa County Owasso	03	1300CST			0	1	3	?	Lightning
fayes County 6 SW Choteau	03	1340CST			0	0	?	?	Thunderstorm Winds (C
	the a gust blov mile struc	afternoon of ing to 60 m vn down at es southwest	August 3r ph downed South Coff of Choute sing the tr	d producing the numeroust of the numerous of the numer	ng dam s trees d Berr i0-mph ode. A	aging vand poice. To winds	winds at ower lin Thunder at both ar-old g	t severa nes at N storm v n Adair irl who	nuch of eastern Oklahoma du il locations. Thunderstorm wa Aiami, and large tree limbs winds gusted to 65 to 70 mp and Afton. In Owasso light was 30 feet away was injure
reek County Sapulpa	03	2328CST			0	0	?	?	Hail (0.88)
oble County Lucien	03	2350CST			0	0	?	?	Thunderstorm Winds
awnee County Maramec	03	2358CST			0	0	?	?:	Hail (0.88)
arfield County Kremlin	04	0015CST			0	0	?	?.	Hail (0.75)
rant County 1 S Bison	04	0020CST			0	0	?	?	Hail (0.75)
sage County 1 S Fairfax	04	0215CST			0	0	?	?	Hail (0.75)
ayne County Lake Carl Blackwell	04	0250CST			0	0	?	?	Flash Flood
loble County Southwestern Portion	04	0300CST			0	0	?	?	Flash Flood

		Time Local/	Path Length (Miles)	Path Width	Number of Persons	Estimated Damage		August 1992
Location	Date	Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm	

OKLAHOMA Cont'd

Garfield County							
Enid	04	0300CST- 0500CST	0	0	4	?	Flash Flood
Tulsa County Turley	04	0330CST	0	0	?	?	Hail (0.88)
Grant County 4 S 1 W Pond Creek	04	0400CST	0	0	?	?	Flash Flood

Severe thunderstorms developed in north-central and northeastern Oklahoma during the late evening of August 3rd and early morning of August 4th. These storms produced dime- to nickel-size hail at Sapulpa, at Maramec, at Turley, and 1 mile south of Fairfax. Thunderstorm winds also downed a tree 1 mile south of Fairfax, and trees were downed in Lucien.

The thunderstorms triggered a round of flash flooding across north-central and northwestern Oklahoma. High water at Lake Carl Blackwell topped the spillway and caused flash flooding downstream, mainly to roadways. In Southwestern Noble County, five to six inches of rain flooded streams. Portions of Highway 77 were flooded. A man who attempted to drive across a flooded roadway in Noble County was washed off the roadway and had to be rescued. In the area from Enid to Covington rainfall in excess of 3.50 inches of rain fell, washing out numerous culverts south of Enid Woodring Airport, and flooding the Garfield County Courthouse. Many homes and businesses reported flooding in Covington. South and west of Pond Creek, homes were reported isolated by the high water.

Roger Mills County								
4 W Reydon	04	1810CST	(0	0	?	?	Hail (1.00)
Pittsburg County 8 S McAlester	04	2010CST	(0	0	?	?	Hail (1.75)
Pittsburg County 5 SW McAlester	04	2025CST	(0	0	?	?	Hail (1.00)
Muskogee County 3 W Muskogee	04	2045CST		0	0	?	?	- 3 - 3
Pittsburg County Near Savanna								Hail (0.75)
Near Savanna Kingfisher County	04	2100CST	(0	0	?	?	Hail (0.88)
14 SE Hennessey	04	2200CST	(0	0	?	?	Hail (0.75)
Pittsburg County 4 N Bache	04	2217CST		0	0	?	?	Hail (0.75)
Lincoln County 10 W Tyrone	04	2222CST	0		0	?		
Lincoln County	04	2222031	•	U	0	•	?	Hail (1.00)
1 N Chandler	04	2227CST	0	0	0	?	?	Hail (0.88)
Okfuskee County 2 E Okemah	04	2230CST	0	0	0	?	?	Hail (0.88)
Hughes County	0.40/00							Description of the second
6 S to 2 W Dustin	04	2230CST	Q	J	0	?	?	Hail (1.50)
Hughes County								
6 S 2 W Dustin Lincoln County	04	2230CST	0)	0	?	?	Thunderstorm Winds
11 N Chandler	04	2230CST	0	0	0	?	?	Hail (1.00)
Pittsburg County Bache	04	2255CST	0)	0	?	?	Hail (1.75)
Pittsburg County				70				
7 E McAlester Pittsburg County	04	2300CST	0)	0	?	?	Hail (2.75)
Hartshorne	04	2315CST	0)	0	?	?	Hail (1.75)
Haskell County Lequire	04	2340CST	0)	0	?	?	Thunderstorm Winds (G52)
McIntosh County 3 W Eufala	05	0000CST	0	1	0	?	?	
Okfuskee County					-			Hail (0.88)
Weleetka	05	0000CST	0)	0	?	?	Thunderstorm Winds (G52)

OKLAHOMA Cont'd	Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		aber of sons Injured	Estima Dama Property	age	Character of Storm	August 1992
Lincoln County 4 S Chandler 05 0000CST 0 0 ? ? Hail (0.75)	§ STATE OF THE STA		13								
4 S Chandler 05 0000CST 0 0 ? ? Hail (0.75) Lincoln County Northeastern 05 0130CST 0 0 0 ? ? Flash Flood Portion Okmulgee County Henryetta 05 0200CST- Dewar 1200CST 0 0 7 ? Flash Flood Paymee County 5 W Maramec 05 0230CST 0 0 0 ? ? Hail (0.75) Kay County 7.5 W Tonkawa 05 0130CST 0 0 0 ? ? Hail (1.00) Tulsa County S Tulsa 05 0230CST 0 0 0 ? ? Hail (1.00) S Tulsa 0 0 0 0 0 ? ? Hail (1.00) S Tulsa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OKLAHOMA Cor	nt'd									
Lincoln County	Lincoln County									* ;	
Northeastern Os 0130CST Os Os Pash Flood		05	0000CST			0	0	?	?	Hail (0.75)	
Okmulgee County Henryetta Dewar Henryetta Dewar De	Northeastern	05	0130CST			0	0	?	?	Flash Flood	
Dewar	Okmulgee County										
5 W Maramec 05 0230CST 0 0 ? ? Hail (0.75) Kay County 7.5 W Tonkawa 05 0130CST 0 0 ? ? Hail (1.00) Tulsa County 5 E Glencoe 05 0245CST 0 0 ? ? Hail (0.08) Payne County 5 E Glencoe 05 0245CST 0 0 ? ? Hail (1.00) Kay County 3 E Tonkawa 05 0300CST 0 0 ? ? Hail (1.25) Tulsa County 3 E Tonkawa 05 0301CST 0 0 ? ? Hail (0.75) Alfalfa County 0 0 0 ? ? Hail (0.75) 4.8 W Burlington 05 0315CST 0 0 ? ? Hail (0.75) 4.8 W Burlington 05 0340CST 0 0 ? ? Hail (2.50) 6 Glencoe 0 0340CST 0 0 <	Dewar	05	0200CST- 1200CST			0	0	7	?	Flash Flood	
Xay County	Pawnee County 5 W Maramec	05	0230CST			0	0 -	?	?	Hail (0.75)	
Tulsa 05 0230CST 0 ? ? Hail (0.88) Payne County 5 E Glencoe 05 0245CST 0 0 ? ? Hail (1.00) Kay County 3 SE Tonkawa 05 0300CST 0 0 ? ? Hail (1.25) Tulsa County 3 SE Tonkawa 05 0301CST 0 0 ? ? Hail (0.75) Alfalfa County 4.8 W Burlington 05 0315CST 0 0 4 ? Thunderstorm Winds Algalfa County 3 E 1.5 S 05 0340CST 0 0 ? ? Hail (2.50) Glencoe Payne County 5 E Glencoe 0 0 ? ? Hail (1.00) Kay County 5 Glencoe 0 0 ? ? Hail (1.00) Kay County 5 Glencoe 0 0 ? ? Flash Flood Mayor County 0 0 0 ? ? Flash	Kay County										
Payne County 5 E Glencoe 05 0245CST 0 0 0 ? ? Hail (1.00)	Tulsa County									4.000	
SE Glencoe		US	0230CS1			U.	U		1	Hail (0.88)	
3 SE Tonkawa 05 0300CST 0 0 ? ? Hail (1.25)	5 E Glencoe	05	0245CST			0	0	?	?	Hail (1.00)	
Tulsa County S Tulsa S Tulsa O 0 0 ?	Kay County 3 SE Tonkawa	05	0300CST			0	0	?	?	Hail (1.25)	
Alfalfa County 4.8 W Burlington 05 0315CST 0 0 4 ? Thunderstorm Winds Payne County 3 E 1.5 S 05 0340CST 0 0 ? ? Hail (2.50) Glencoe Payne County 0 0 ? ? Hail (1.00) Kay County Northwestern 05 0415CST 0 0 ? ? Flash Flood Major County Major County 0 0 ? ? Thunderstorm Winds Noble County Meno 05 0415CST 0 0 ? ? Flash Flood Noble County 3 N Perry 05 0430CST 0 0 ? ? Flash Flood Okfuskee County 3 N 1 W Drummond 05 0430CST 0 0 ? ? Thunderstorm Winds Okfuskee County 3 W Okemah 05 0450CST 0 0 ? ? Thunderstorm Winds Hughes County 0 0 0 ? ? Thunderstorm Winds <tr< td=""><td>Tulsa County</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>* *</td></tr<>	Tulsa County										* *
Payne County 3 E 1.5 S 05 0340CST 0 0 ? ? Hail (2.50) Glencoe Payne County 5 E Glencoe 05 0345CST 0 0 ? ? Hail (1.00) Kay County Northwestern 05 0415CST 0 0 ? ? Flash Flood Major County Major County 0 0 ? ? Thunderstorm Winds Noble County 3 N Perry 05 0430CST 0 0 ? ? Flash Flood Garfield County 3 N 1 W Drummond 05 0430CST 0 0 ? ? Thunderstorm Winds Okfuskee County 3 W Okemah 05 0450CST 0 0 ? ? Thunderstorm Winds Hughes County 5 N Lamar 05 0500CST 0 0 ? ? Thunderstorm Winds Muskogee County 7 S McAlester 05 0615CST 0 0 ? ? T	Alfalfa County					-				5 5	Windo
Glencoe	Payne County							7.E			winds
S E Glencoe	3 E 1.5 S Glencoe	05	0340CST			0	0	7	?	Hail (2.50)	
Kay County Northwestern 05 0415CST 0 0 ? ? Flash Flood Portion Major County Meno 05 0415CST 0 0 ? ? Thunderstorm Winds Noble County 3 N Perry 05 0430CST 0 0 ? ? Flash Flood Garfield County 3 N 1 W Drummond 05 0430CST 0 0 ? ? Thunderstorm Winds Okfuskee County 3 W Okemah 05 0450CST 0 0 ? ? Thunderstorm Winds Hughes County 5 N Lamar 05 0500CST 0 0 ? ? Thunderstorm Winds Muskogee County Near Camp Gruber 05 0530CST 0 9 ? ? Lightning Pittsburg County 7 S McAlester 05 0615CST 0 0 ? ? Thunderstorm Winds Oklahoma County SW Oklahoma City 05 0615CST 0 0 ? ? Thunderstorm Winds Pittsburg County Oklahoma City 05 0615CST 0 0 ? ? Thunderstorm Winds	Payne County 5 E. Glencoe	05	0345CST			0	0	2	7	Hail (1 00)	
Portion Major County Meno 05 0415CST 0 0 ? ? Thunderstorm Winds Noble County 3 N Perry 05 0430CST 0 0 ? ? Flash Flood Garfield County 3 N 1 W Drummond 05 0430CST 0 0 ? ? Thunderstorm Winds Okfuskee County 3 W Okemah 05 0450CST 0 0 ? ? Thunderstorm Winds Hughes County 5 N Lamar 05 0500CST 0 0 ? ? Thunderstorm Winds Muskogee County Near Camp Gruber 05 0530CST 0 9 ? ? Lightning Pittsburg County 7 S McAlester 05 0615CST 0 0 ? ? Thunderstorm Winds Oklahoma City 05 0615CST 0 0 ? ? Thunderstorm Winds Oklahoma City 05 0615CST 0 0 ? ? Thunderstorm Winds Pittsburg County 05 0641CST-	Kay County										
Meno Noble County 3 N Perry 05 0430CST 0 0 0 ? ? Flash Flood Garfield County 3 N 1 W Drummond 05 0430CST 0 0 0 ? ? Thunderstorm Winds Okfuskee County 3 W Okemah 05 0450CST 0 0 0 ? ? Thunderstorm Winds Hughes County 5 N Lamar 05 0500CST 0 0 0 ? ? Thunderstorm Winds Muskogee County Near Camp Gruber Near Camp Gruber 7 S McAlester 05 0615CST 0 0 0 ? ? Thunderstorm Winds Oklahoma County SW Oklahoma City SP Office To the state of the	Portion	US	0415CS1			U	U	•	ſ	riash riood	
Noble County 3 N Perry 05 0430CST 0 0 0 ? ? Flash Flood Garfield County 3 N 1 W Drummond 05 0430CST 0 0 0 ? ? Thunderstorm Winds Okfuskee County 3 W Okemah 05 0450CST 0 0 0 ? ? Thunderstorm Winds Hughes County 5 N Lamar 05 0500CST 0 0 ? ? Thunderstorm Winds Muskogee County Near Camp Gruber Near Camp Gruber 7 S McAlester 05 0615CST 0 0 0 ? ? Thunderstorm Winds Oklahoma County SW Oklahoma City SW Oklahoma City SW Oklahoma City 05 0615CST 0 0 0 ? ? Thunderstorm Winds Oklahoma County SW Oklahoma City SW Oklahoma City SW Oklahoma City 05 0641CST-	Meno	05	0415CST			0	0	?	?	Thunderstorm	Winds
Garfield County 3 N 1 W Drummond 05 0430CST 0 0 ? ? Thunderstorm Winds Okfuskee County 3 W Okemah 05 0450CST 0 0 ? ? Thunderstorm Winds Hughes County 5 N Lamar 05 0500CST 0 0 ? ? Thunderstorm Winds Muskogee County Near Camp Gruber 05 0530CST 0 9 ? ! Lightning Pittsburg County 7 S McAlester 05 0615CST 0 0 ? ? Thunderstorm Winds Oklahoma County SW Oklahoma City 05 0615CST 0 0 ? ? Thunderstorm Winds Pittsburg County 05 0641CST-	Noble County 3 N Perry	05	0430CST			0	0	?		Flash Flood	**
Okfuskee County 3 W Okemah 05 0450CST 0 0 0 ? ? Thunderstorm Winds Hughes County 5 N Lamar 05 0500CST 0 0 0 ? ? Thunderstorm Winds Muskogee County Near Camp Gruber 05 0530CST 0 9 ? Lightning Pittsburg County 7 S McAlester 05 0615CST 0 0 0 ? ? Thunderstorm Winds Oklahoma County SW Oklahoma City SW Oklahoma City Fittsburg County 05 0641CST-	Garfield County										Winda
Hughes County 5 N Lamar 05 0500CST 0 0 0 ? ? Thunderstorm Winds Muskogee County Near Camp Gruber 15 N Lamar Near Camp Gruber 15 N Lamar 15 N Lamar 16 N Lamar 17 N Lamar 18 N Lightning 18 N Lightning 18 N Lamar 18 N Lama	Okfuskee County									050277	
Muskogee County Near Camp Gruber 05 0530CST 0 9 ? Lightning Pittsburg County 7 S McAlester 05 0615CST 0 0 ? ? Thunderstorm Winds Oklahoma County SW Oklahoma City 05 0615CST 0 0 ? ? Thunderstorm Winds Pittsburg County 05 0641CST-	Hughes County					U					
Near Camp Gruber 05 0530CST 0 9 ? ! Lightning Pittsburg County 7 S McAlester 05 0615CST 0 0 ? ? Thunderstorm Winds Oklahoma County SW Oklahoma City 05 0615CST 0 0 ? ? Thunderstorm Winds Pittsburg County 05 0641CST-		05	0500CST			0	0	?	?	Thunderstorm	Winds
7 S McAlester 05 0615CST 0 0 ? ? Thunderstorm Winds Oklahoma County SW Oklahoma City 05 0615CST 0 0 ? ? Thunderstorm Winds Pittsburg County 05 0641CST-	Near Camp Gruber	05	0530CST			0	9	?	?	Lightning	
SW Oklahoma City 05 0615CST 0 0 ? ? Thunderstorm Winds Pittsburg County 05 0641CST-	7 S McAlester	05	0615CST			0	0	?	?	Thunderstorm	Winds
Pittsburg County 05 0641CST-	SW Oklahoma City		0615CST			0	0	?	?	Thunderstorm	Winds
Okfuskee County 05 0815CST 0 0 ? ? Flash Flood	Pittsburg County	05	0641CST- 0900CST			0	0	?		Flash Flood	
	Okfuskee County	05	0815CST			Ŏ	Ŏ	?	?	Flash Flood	- W

Severe thunderstorms developed across portions of northwestern, central, and eastern Oklahoma during the evening of August 4th and continued into the early morning of August 5th. Golf ball-to baseball-size hail was reported in several locations. Many other locations received dime-to quarter-size hail. Damaging winds also accompanied a few of the storms. Thunderstorm winds downed power lines 3 miles west of Okemah and gusted to 60 mph at Lequire, at Weleetka, and 7 miles south of McAlester. Thunderstorm winds blew a garage door off a house, and downed tree limbs and power lines west of Burlington. Thunderstorm winds downed trees in Hughes County south-southwest of Dustin, north-northwest of Drummond, and trees were downed in Oklahoma City at S.W. 15th and Pennsylvania Avenue. Nine military personnel near Camp Gruber were injured when their tent was struck by lightning, with three of the injured hospitalized for treatment of burns.

		Time	Path	Path	Number of	Estimated		August 1992
		Local/	Length	Width	Persons	Damage		
Location	Date	Standard	(Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm	

OKLAHOMA Cont'd

Significant flash flooding was also reported in several locations. Flooding in Okmulgee County, mainly affecting the towns of Henryetta and Dewar. Rainfall of three to five inches fell over a large area, with an unofficial report of over eight inches near Henryetta. This excessive rainfall caused Coal Creek to overflow its banks around 0200 CST on the 5th. Water flooded Main Street in Henryetta to a depth of 7 feet. Roads and gas pipelines were damaged, and 150 homes in Henryetta and 50 homes in Dewar were flooded. Rescue operations began in the flooded area around 0230 CST. Twelve businesses were also affected by the floodwaters. No deaths or injuries occurred in Okmulgee County, but the City Manager of Henryetta estimated property damage to be several million dollars.

Highway 270 just west of McAlester had water flowing across it, and many streets in McAlester along with several county roads in Pittsburg County were covered by water. A total of 25 homes in Pittsburg County had water in them. Street flooding occurred in the town of Pawnee, and Black Bear Creek was out of its banks in western Pawnee County, causing flooding of rural areas. Several small creeks also were out of their banks in Okfuskee County, forcing the evacuation of a home 5 miles northwest of Okemah. Several county roads in Okfuske County were also flooded. Stream flooding was reported in the northeastern portion of Lincoln County. State Highway 11, 2.5 miles west of Interstate 35 was closed due to high water, as was Highway 77 at Black Creek 3 miles north of Perry.

Delaware County 8 NW Jay

06 1615CST 0 0 ? ? Thunderstorm Winds

An isolated severe thunderstorm developed in Delaware County of northeast Oklahoma during the late afternoon of August 6th. This storm produced damaging winds which downed numerous tree limbs and damaged several outbuildings 8 miles northwest of Jay.

Seminole County Wewoka Hughes County Holdenville

06	1600CST	0	0	5	?	Flash Flood
06	1705CST	0	0	?	?	Flash Flood

Rainfall of 4.40 inches in 1.5 hours caused flooding to portions of Wewoka. A garage was swept away and a city bridge was undermined and collapsed. A city animal shelter was flooded, and dogs clinging to the tops of their cages had to be rescued. A man who drove across a roadway that was flooded had to be rescued as his truck was washed away. Also, heavy rainfall flooded roadways in Holdenville.

Ellis County							
Gage Gage 5 N 1 W Fargo	10 10 10	1729CST 1729CST 1845CST	0 0 0	0 0 0	?	?	Thunderstorm Winds (G50) Hail (0.88) Hail (0.88)
Woodward County 5 N 0.5 E Fargo	10	1830CST-					
		1845CST	0	0	?	?	Hail (0.75)
Ottawa County							(Fig. 7)
4 S Fairland	10	2217CST	0	0	?	?	Hail (0.75)
Delaware County	7202						ENVESTMENT STOPMENTS
West Siloam	10	2240CST	0	0	?	?	Thunderstorm Winds
Springs							
Cleora	10	2240CST	0	0	?	?	Thunderstorm Winds (G61)
Leach	10	2255CST	0	0	?	?	Thunderstorm Winds (G70)
Ottawa County			-2	_	525		
Fairland	10	2255CST	0	0	?	?	Thunderstorm Winds
Craig County	40	0000 CC		12	_		
1 SE Vinita	10	2300CST	0	0	?	?	Thunderstorm Winds
Adair County	10	2200 CCm					
Stilwell	10	2300CST-				_	
Wastrilla	10	2330CST	0	0	?	?	Thunderstorm Winds
Westville	10	2300CST-	^				701
Mayor County		2330CST	0	0	?	?	Thunderstorm Winds
Mayes County Near Salina	10	2210CCT	^	Λ	•		mi 1 / 111 1 /070
itai Sailia	10	2310CST	0	0	?	?	Thunderstorm Winds (G70)

		Time Local/	Path Length	Path Width	Pen	ber of	I	stimated Damage		August 1992
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Prop	erty Crops	Character of Storm	
OKLAHOMA Co	nt'd									2
Cherokee County										
Talequah	10	2320CST			0	0	?	?	Thunderstorm	Winds (G52)
Nowata County 2 S Nowata Countyline	10	2345CST			0	0	?	?	Thunderstorm	Winds
Rogers County Near Oologah Washington County	11	0010CST			0	0	?	?	Thunderstorm	Winds
Ramona	11	0024CST			0	0	?	?	Thunderstorm	Winds (G52)
Tulsa County 1 S Owasso McIntosh County	11	0035CST			0	0	?	?	Thunderstorm	Winds (G52)
Eufala	11	0037CST			0	0	?	?	Thunderstorm	Winds (G52)
Rogers County 1 SW Catoosa	11	0040CST			0	0	?	?	Thunderstorm	Winds
Tulsa County 2 SW Catoosa	11	0040CST			0	0	?	?	Thunderstorm	Winds
Osage County 7 NNE Barnsdall	11	0055CST			•	^	9	9	Thursdown town	Windo
Fairfax Kay County	11	0130CST			0	0	?	?	Thunderstorm Thunderstorm	
Newkirk Tonkawa	11 11	0130CST 0150CST		*	0	0	?	?	Thunderstorm Thunderstorm	Winds
Blackwell Ponca City Noble County	11 11	0150CST 0200CST			0	0	? 3 3	?	Thunderstorm Thunderstorm	
Perry	11	0220CST			0	0	?	?	Thunderstorm	Winds
Payne County 5 N Stillwater Garfield County	11	0219CST			0	0	?	?	Thunderstorm	Winds (G52)
Near Enid N Enid	11 11	0225CST 0300CST			0	0	?	?	Thunderstorm Flash Flood	Winds

Severe thunderstorms moved across northern Oklahoma during the afternoon and evening of the 10th, and continued through the overnight hours of the 11th. The thunderstorm across northwestern Oklahoma produced large hail, but the storms across north-central and northeastern Oklahoma produced mostly strong and damaging winds. Thunderstorm winds gusted to 80 mph at Leach and near Rose, and wind gusts of 60 to 70 mph occurred at several other locations across eastern Oklahoma. Numerous trees and tree limbs were downed at Stilwell and Westville, and strong winds persisted for 30 minutes at both locations. Thunderstorm winds downed trees near Enid, at West Siloam Springs, Talequah, Fairland, Eufala, Ramona, and Cleora, with 4-inch-diameter limbs downed just southeast of Vinita. A downed tree blocked a road near Oologah. Power lines were downed at Talequah, and on the Tulsa/Rogers County line near Interstate 44 and 161st East Avenue southwest of Catoosa. Power poles were downed at Ramona and Perry. A severe thunderstorm downed trees and damaged the roof of a house in Ponca City. A severe thunderstorm downed trees and tore the awning off a building in Blackwell. Large trees were downed by the wind at the Woolaroc ranch 7 miles north-northeast of Barnsdall. Plate glass windows were blown out in Fairfax, and a porch was blown off a house in Cleora. Strong thunderstorm winds 2 miles south of Nowata downed several large trees, partially tore wooden roofs off several buildings, and tore a tin roof off of a barn.

Heavy rainfall from the thunderstorms caused flash flooding in Enid. Rainfall of 2.88 inches was reported in Enid, but up to four inches of rain just north of Enid. Street flooding was widespread around Enid. Part of the roof of an Enid meat company collapsed under the weight of the heavy rain on the roof. Much of the Enid Correctional Center was severely damaged by the flooding. In 10 minutes the ground below the facility went from being dry to under 6 feet of water. The center's kitchen and laundry area were wiped out, as was all first floor housing. Ice machines, freezers, washers, dryers, and lawn mowers were destroyed. Three vans were flooded, and inmate property was washed away. Four inmates who were trapped by the rapidly rising waters had to be rescued.

		Time Local/	Path Length (Miles)	Path Width	Pen	ber of	Esti Da	imated mage ty Crops	August 1992
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Proper	ty Crops	Character of Storm
OKLAHOMA Co	nt'd								•
Major County	12	2315CST			0	0	?	2	Ho;1 (0.99)
5 N Bouse Junction Woodward County	13				U	U	•	?	Hail (0.88)
7 N 1 E Moore- land	13	2315CST			0	0	?	?	Hail (1.00)
Texas County Guymon	16	0100CST			0	0	4	?	Lightning
	Ligh	ntning struck a	mobile h	ome, and	set it o	n fire.	Dama	ge was	estimated at \$6,000.
Texas County Western Portion	17	1800CST			0	0	?	?	Flash Flood
77 (510)	100 (5)		d fields in	western T			and flo		s partially closed State Highway
		r several hours							
Major County 8 E Fairview	30	0840CST	i.		0	0	?	?	Flash Flood
5 S Fairview	30	1145CST- 1400CST			0	0	?	?	Flash Flood
Blaine County Northern	30	1145CST			0	0	?	?	Flash Flood
Portion			Saior Cou	enty flooda		- 5	7		
	inch	es flooded hig rved by the Na	hway 58 ational W	south of eather Ser	Fairvie vice Se	ew. E	xtreme Hydrol	ly sever	airview. Rainfall of up to 7.60 e erosion of wheat fields was northern Blaine County.
OREGON	-		*						
	Non	e reported.							
PENNSYLVANIA	, Eas	stern							
Susquehanna County	04	1225ECT			^	Δ.	4	0	Thursdanitania Winda
Rush Fairdale	04 04	1235EST 1243EST			0	0	3	0	Thunderstorm Winds Thunderstorm Winds
	Thur and	nderstorm wind marble-size ha	l gusts do il fell at l	wned mar Fairdale.	y large n Rusl	e limbs h some	and so	me trees trees ca	s at Rush. Trees were downed me down on houses.
Luzerne County 1 W Drums	0.4	1400000						^	/D1 3 4 337 3
1 E Drums	04 04	1400EST 1400EST			0	0	3	0	Thunderstorm Winds Thunderstorm Winds
	Thur	nderstorm wind	l gusts do	wned tree	s and u	ıtility li	nes.		
Franklin County St. Thomas	11	1210EST			0	0	0	0	Funnel Cloud
>	A fu	nnel cloud was	reported	at St. The	omas.				
Berks County 1 W Lenhartsville	11	1212EST			•	Δ.	2	Δ.	Thursdaystown Winds (C52)
2 NW Krumsville	11	1212EST 1325EST			0	0	3 3 3 4 5 3	0	Thunderstorm Winds (G53) Thunderstorm Winds
Topton 1 E Kempton	11 11	1325EST 1345EST			0	0	3	0	Thunderstorm Winds Thunderstorm Winds
2 E Krumsville	11	1345EST			ŏ	Ō	3	ŏ	Thunderstorm Winds (G53)
Womelsdorf	11	1345EST			0	0	4	0	Thunderstorm Winds
Mt.Penn Maxatawny	11 11	1353EST			0	0	3	0	Thunderstorm Winds (G62)
Boyertown	11	1405EST 1426EST			Ŏ	0	4	0	Thunderstorm Winds Thunderstorm Winds (G88)
5-15 4			l miete de	wned tree	c tree	limbe	and uti		in all these locations. Winds

Thunderstorm wind gusts downed trees, tree limbs and utility lines in all these locations. Winds were reported in excess of 60 MPH near Lenhartsville and east of Krumsville. Public officals reported wind gusts in excess of 70 MPH at Mt. Penn and were measured at over 100 MPH at

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of rsons Injured	Da	mated mage ty Crops	August 1992 Character of Storm	2
DENINGVI VANIA	For	town Cont) A							
PENNSYLVANIA					125	5 U =		V.		1221
	blow	n off and sev	eral porch Boyertown	es were b	olown d	own.	Pea-size	hail fo	uses had at least part of the root ell at Maxatawny and some root re downed and some roofs rippe	fs
Lehigh County Fogelsville Coopersburg Vera Cruz	11 11 11	1240EST 1352EST 1420EST			0 0 0	0 0	3 3 3	0 0 0	Thunderstorm Winds Thunderstorm Winds Thunderstorm Winds	
, (.	A co	ouple of sheds	were blov rsburg wh	vn over at iere very	Vera (Cruz an winds	id pea-s brought	ize hai	nes at Fogelsville and Vera Cruz fell at Fogelsville. Pea-size ha many limbs and utility lines.	ail
Schuylkill County		10#CDCD								
Ravine 2 S Auburn	11 11	1256EST 1310EST			0	0	3 3 3	0	Thunderstorm Winds Thunderstorm Winds (G57	7)
Hometown	11	1345EST			0	0	3	0	Thunderstorm Winds (G53	
2 N St. Clair	11	1423EST			0	0	?	0	Thunderstorm Winds Hail (0.75)	
	and	St Clair. Larg	ge limbs a	nd utility	lines w	ere dov	vn at Ra	vine.	es at Hometown and near Aubur Dime-size hail fell near St. Clai xcess of 60 MPH at Hometown	r.
Cumberland County Enola	11	1300EST			0	0	3	0	Thunderstorm Winds	
	A th		vind gust l wind gust	blew an a s to 55 M	utomob	oile off t of Ca	I-81 an		d it over. There also was som	ıe
Lebanon County Myerstown	11	1315EST			0	0	3	0	Thunderstorm Winds	
Maj casto Wal	1	nderstorm wir	nd anete d	oumed tre		ity line	_		Thunderston III Winds	
Daumbin Country	Inu	idersiorm wir	id gusts d	owned tre	cs, um	ity iiic	s and p	oics.		
Dauphin County 1 N Harrisburg 1 E Harrisburg	11 11	1325EST 1330EST			0	0	4 3	0	Thunderstorm Winds Thunderstorm Winds	
									Harrisburg and one of them can east side of Harrisburg.	ne
Columbia County Centralia	11 1	325EST			0	0	3	0	Thunderstorm Winds	
	Thui Thei	nderstorm win e also were t	nd gusts do wo houses	owned tree damaged	es, man by lig	y large htning.	limbs a	ınd util	ity lines in Centralia and Ariste	s.
Luzerne County Conyngham	11	1345EST			0	0	3	0	Thunderstorm Winds	
	Thu		nd gusts d	owned tre		200	500	- 178 - 128	also was one home damaged b	у
Montgomery County										
1 NW Perkiomenville	11	1400EST			0	0	3	0	Thunderstorm Winds	
Lansdale 1 NW Ambler	11 11	1407EST 1428EST			0	0	3 ? 3	0	Thunderstorm Winds (G50 Thunderstorm Winds))
A TOTT PMILUTE	Thur	nderstorm wir	vere also d	lown in A	ees and bington	l utility	y lines. oro, Ho	A gu rsham,	st to 58 MPH was measured a Upper Dublin, Upper Moreland	at d,

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	Da	mated mage ty Crops	August 1992 Character of Storm
DESTRUCTIVE VARIANTA									
PENNSYLVANIA,	, Eas	stern Cont	a						
Philadelphia County 3 NE of Northeast Philadelphia Airport	11	1430EST		C &	0	0	3	0	Thunderstorm Winds (G87)
Philadelphia County 2 NW Tacony	11	1430EST			0	0	3	0	Thunderstorm Winds
7 6	The	understorm wi re also was son e and one on a	me street	flooding.	H was 1 Trees	recorde were d	d. Mar own no	ny branc orthwest	hes and some trees were down. of Tacony with one down on a
Susquehanna County Gibson	25	1605EST			0	0	?	0	Hail (1.0)
	A th	understorm dr	opped nic	kel-size ha	il. A b	neavy de	ownpou	ır caused	d some localized street flooding.
Bucks County		4.64 # 17.0 m				•			
1.5 E Tullytown Fairless Hills	26 26	1645EST 1700EST			0	0	3	0	Thunderstorm Winds Thunderstorm Winds
9 7	A th trees Hills	were down a	icroburst ind there	caused a c was mino	lamage r dama	path 1 ge to b	.5 mile uilding	s long a s. Tree	nd 200 yards wide. Numerous ss were snapped off in Fairless
PAC-061 Huntingdon County	28	1550EST 1800EST			0	0	5	0	Flash Flood
,	was flood	flooded from led around 164	1550 to 16 EST. 1	1646 EST Basements	and the	e baser looded	nent of in McC	f a hous onnellto	g. Near Huntingdon, Route 26 te and a department store were own around 1640 EST. At Rock at between 1700 and 1800 EST.
Huntingdon									
County Huntingdon	28	1645EST			0	0	3	0	Thunderstorm Winds
		derstorm windounty.	d gusts do	owned tree	es. Tre	es wer	e also d	lown at	other scattered locations across
Franklin County 3 NW Amberson	28	1705EST			0	0	3	.0	Thunderstorm Winds
			d gusts do	wned trees		(T)		. S.	hwest of Amberson. There also
	was	street flooding	in the C	hambersbu	irg are	a and o	n south	to Gre	encastle.
Adams County Fairfield York Springs	28 28	1705EST 1710EST			0	0	3	0	Thunderstorm Winds Thunderstorm Winds
	Thur	derstorm wind	d gusts br	ought dov	vn larg	e tree l	imbs.		
Centre County State College	28	1715EST			0	0	3	0	Thunderstorm Winds
State Conege			d gusts do	wned trees					trees were also down across the
	coun						,		
Mifflin County Lewistown	28	1715EST			0	0	3	0	Thunderstorm Winds
	Thun		d gusts brooding. S	ought dow Scattered to	n trees	one o	n a mo down	ving vel across t	nicle on Route 322. There also
Clinton County	00	1-0							(R)
Renovo Lock Haven	28 28	1727EST 1740EST	20		0	0	3	0	Thunderstorm Winds Thunderstorm Winds
	Thun limbs	derstorm wind in Lock Have	l gusts bro en. One	ought trees tree was c	s and ut lown o	tility lin n a roa	es dow d in Re	n in Rer novo at	novo and several trees and some 1702 EST and at 1715 EST.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons I Injured	Est De I Proper	imated image ty Crops	August 1992 Character of Storm
									8 E
PENNSYLVANIA	, Eas	stern Cont'	d						
		ee was down kport. Some						a tree v	was down at Drurys Run and in
Cumberland County Mechanicsburg	28	1730EST			0	0	3	0	Thunderstorm Winds
	Thu		d gusts d	owned tre	es and	utility l	ines. S	cattered	I trees were also down across the
York County York Delta	28 28	1730EST 1745EST			0	0	3	0	Thunderstorm Winds Thunderstorm Winds
	Thu		d gusts d	lowned tre	es. St	reet flo			just east of York between 1715
Lancaster County	•	4====0					_		
Elizabethtown	28 Thu	1757EST	.d		0	0	3	0	Thunderstorm Winds
Lebanon Ebanon Cou		nderstorm win	a gusts c	iowned tre	es and	utility	lines.		
East Hanover	28	1810EST	1.0	150	0	0	5	0	Tornado (F1)
	mob shed doze with build Ano	ile homes sust is and awnings ons of large to one building ding were sca	ained str were eit ees snapp complete ttered ab	uctural da her damag ped in hali ely demoli out and se	mage a ed or r f all al- shed ar ome w	nd/or he noved cong the nd other ere wra	ad med complete path. r sustain apped a	ium to ely fron A hors ning da round a	feet off its foundation and several large trees fall on them. Several in their original sites. There were e stable sustained major damage mage. Pieces of the demolished a few of the trees still standing. Damage was estimated at nearly
Lycoming County Williamsport 2 SW Duboistown Cedar Run Bodines 1 S Roaring Branch		1819EST 1835EST 1842EST 1850EST 1857EST	ıd gusts l	orought do	0 0 0 0 0 0	0 0 0 0 0 es in al	3 3 3 3 3	0 0 0 0 0	Thunderstorm Winds Thunderstorm Winds Thunderstorm Winds Thunderstorm Winds Thunderstorm Winds Utility lines were also down
	in V	Villiamsport a sch, Tioga Co	nd trees	were dov	on on	wires in	n Cedai	Run.	The damage south of Roaring
Tioga County Mansfield	28	1819EST			0	0	3	0	Thunderstorm Winds
	Thu	nderstorm win	d gusts b	orought tre	es dov	vn.			
Chester County	20	1920ECT	2.0	100	0	2	_	•	Towns do (F2)
Atglen	28 The	1820EST tornado move	2.0 d in a no	100 orth-northe	0 ast dire	3 ection t	5 hrough	0 the bor	Tornado (F2) ough of Atglen and then into the
	Two pick dam upro	e injured. Two automobiles ed up and throaged by falling toted or broke	o of ther were mo own into g trees or en off.	n received ved aroun the side or by windo Some util	only in diand of a picture of a	minor in one of to ckup tra ing blow es were	njuries, hem wa uck. S wn out. e down	but the as blow everal of Many either	hree people in the mobile home third had several broken bones. In up against a tree. A shed was other homes along the path were trees were down along the path, from the wind or falling trees. stimated at 250,000 dollars.
Berks County Wolmsdorf	28	1830EST	×		0	0	4	0	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injur	D	imated amage rty Crops	August 1992 Character of Storm
* *		1							
PENNSYLVANIA	, Eas	stern Cont'o	d						2
	sign a su	on a McDona	lds Restau ing a hole	rant was	ripped	off.	The con	rner of	umber and contents. Part of the the roof was briefly lifted up of arion Towmship, a barn and two
Berks County 2 ESE Strausstown	28	1850EST	2.0	18	0	0	5	0	Tornado (F1)
	flew	through the a	ir and cra	took the	a neig	some ghbor	siding as	nd the p	porch roof off a house. The rook homes along the road sustained wn all along the path.
Bradford County Bentley Creek Granville Summit Sugar Run	28 28 28	1900EST 1900EST 2010EST			0 0 0	0 0	3 3 3	0 0	Thunderstorm Winds Thunderstorm Winds Thunderstorm Winds
	on a		peton and	a tree wa	s down	n on a			on wires at Alba, a tree was down Smithfield. A tree as also down
Schuylkill County 3 NE Mahanoy City 3 SW Barnesville	28 28	1900EST 1905EST			0	0	3	0	Thunderstorm Winds Thunderstorm Winds
* *	Thur	derstorm wind	l gusts bro	ought dow	n tree:	s and	large lis	mbs. U	Itility lines were also down.
Luzerne County Hazelton	28	1920EST			0	0	3	0	Thunderstorm Winds
	Thur	derstorm wind	l gusts bro	ought dow	n tree:	s and	limbs th	rougho	out the city.
ullivan County 7 S Lopez	28	1925EST			0	0	3	0 -	Thunderstorm Winds
	Thun	derstorm wind	gusts bro	ought dow	n num	erous	trees.		
olumia County 1 S Millville 1 N Bloomsburg	28	1936EST			0	0	3	0	Thunderstorm Winds
	Thun	derstorm wind msburg.	l gusts br	ought do	wn uti	lity li	nes and	numer	ous trees between Millville and
Vyoming County 3 SW Kasson Brook	28	2000EST			0	0	3	0	Thunderstorm Winds
	Thun	derstorm wind	gusts bro	ught dow	n trees	s.			
usquehanna County Harford Springville	28 28	2105EST 2110EST			0	0	3 3	0	Thunderstorm Winds Thunderstorm Winds
	Thun	derstorm wind nunderstorms a	gusts bro	ught down	n nume	erous	trees an	d utility	v lines. Heavy rain accompanied
ENNSYLVANIA,								A	-F8
rawford County 5 NW Titusville	03	1905EST		A A	0	0	0	0	Thunderstorm Winds
1		trees fell alor	ng Route	8, northw		7			
Crie County	08	1525EST			1	0	0	0	Lightning
		ning struck a b	_						•

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons Injured		mated mage y Crops	Character of Storm	August 1992
PENNSYLVANIA	, We	stern Cont	'd							
5 NE Erie	08	1535EST			0	0	0	0	Hail (0.75)	
	Dim	e-size hail fel	northeas	t of Erie.						
5 NE Erie	08	1624EST			0	0	0	0	Thunderstorm	Winds
¥° ==	Larg	ge trees and po	ower lines	s were blo	wn do	wn.				
Crawford County 12 W Erie	00	1800505						•		, © T
14 NW Erie	08	1702EST			0	0	0	0	Thunderstorm	
NG 1 '00			nd power	lines were			(Harri		and Conneautvil	
Meadville	08	1727EST	••		0	0	0	0	Thunderstorm	Winds
D. C.	Man	y trees and po	ower lines	s were blo	wn do	wn in M	eadvill	e.		
Erie County 12 SE Erie	08	1800EST			0	0	0	0	Hail (0.75) Thunderstorm	Winds
	Hail	of 0.75-inch-	diameter	fell in Wa	terford	l. Many	power	rlines w	ere also knocked	down.
Mercer County						•	•			
16 NW Mercer	08	1800EST			0	0	0	0	Thunderstorm	Winds
	Larg	e trees and po	ower lines	fell in Ja	mestov	vn and C	Greenvi	ille.		
Crawford County 13 W Meadville	08	1805EST			0	0	0	0	Flash Flood	
15 W Meadwine		ding occurred	along Ro	oute 10 in	responsi	1774 Version	U	Ů	Flash Flood	
Lawrence County	08	1808EST	along Itt	oute 17 III	Luicsv	me.				
9 NW New Castle	00	1810EST	1.5	100	0	11	5	0	Tornado (F2)	
	foot- trees home lifted	wide path of were uproote es were destro	damage thed and bro yed in He nd and the	hrough tre oken. A 3 critage Hil	es. A 0 foot ls Mob	t Hillsvi tall tree oile Hom	lle Roa was ri e Park	id, more pped in on Hill	d at 1808 EST an e than 50 medium half. At 1810 E sville Road. Two eas overturned. T	n- to large-size ST, six mobile of them were
Erie County 30 SE Erie	08	1815EST			0	0	0	0	Hail (0.75) Thunderstorm	Winds
	Dime	e-size hail and	l large lin	nbs fell at	Corry					***************************************
Crawford County										
12 SW Meadville	08	1818EST			0	0	0	0	Flash Flood	
	Stree	et flooding occ	curred in	Atlantic.						
Lawrence County 4 N New Castle	08	1820EST- 1830EST	2.0	150	0	0	4	0	Tornado (F2)	
90 e a	three Nesh carpo dama to bu	feet in dian	neter fell ship. Th	on a house su	ise loc	cated on	Merc	er Road	e Road north of C d at Graham-For to the roof and t naller trees were aused it to cave in a chimney was b	ding Road in
Crawford County 10 SE Meadville	08	1845EST			0	0	0	0	Flash Flood	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons d Injured	I	stimated Damage erty Crops	August 1992 Character of Storm
PENNSYLVANIA	w	estern Cont	·'d						
TEMOTEVANIA	15								
		oding occurred	in Coch	ranton.	2			•	
10 SE Meadville	08	1915EST			0	0	0	0	Flash Flood Thunderstorm Winds
	Flo		reets imp	assable in	Jamest	own. T	here v	vere larg	e limbs that had been broken off
Venango County 5 N Oil City	08	1918EST			0	0	0	0	Hail (0.75) Thunderstorm Winds
	Din	ne-size hail and	d power	lines fell n	ear Oi	l City.			
Oil City	08	1945EST			0	0	0	0	Flash Flood
			ooded an	d small st	reams	overflov			and Rouseville.
Forest County 12 NE Toinesta	08	2000EST	*		0	0	0	0	Flash Flood
12 NL Tomesta		et flooding oc	ourrad in	Vallattuil				•	riasii riood
Beaver County 4 N Beaver 9 W Beaver	Sile	et mooding oc	curred in	Kellettvii	ie and	Mayour	g.		
4 SE Beaver	08	2037EST			0	0	0	0	Flash Flood
		oding of roadw	ays occu	rred in Br	ighton	and Mic	lland.	There v	was a mudslide on Route 68 and
Westmoreland Count	y	inches • No							
Lower Burrell 21 NW Greensburg	•								
8 E Greensburg	08	2210EST			0	0	0	0	Flash Flood Thunderstorm Winds
gi.	The LaT	flooding of ro	oads occu	rred in No	ew Kei	nsington	and I	atrobe.	Trees fell in lower Burrell and
Indiana County 13 SW Indiana Indiana 17 SW Indiana	08 08 08	2212EST 2225EST 2225EST			0	0	0	0	Thunderstorm Winds Flash Flood Thunderstorm Winds
8 5 7 (335,673)	Tree		rkshurg	and Tunne	elton w	hile the	flood	ing of ro	ads occurred in Indiana.
Beaver County			- Andoung		one w	mie the	11004	ing or re	ads occurred in indiana.
6 S Beaver Baden	08	2231EST			0	0	0	0	Flash Flood
	Cree	ks overflowed	l in Bade	n.					
Fayette County 16 NE Uniontown	08	2235EST			0	0	0	0	Thunderstorm Winds
	Tree	s and power l	ines were	blown do	wn in	Everson	la T		
Clearfield County		*		010 1111 40				2	
6 SW Clearfield Curwensville	08	2250EST			0	0	0	0	Flash Flood Thunderstorm Winds
	Tanr coun		Curwens	ville overf	lowed	its bank	s. Ti	ees wer	e knocked down throughout the
Fayette County 12 NE Unointown	08	2300EST			0	0	0	0	Flash Flood
	Floo	ding occurred	at Indiar	Creek.					,

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of ersons I Injured	I	timated amage erty Crops	August 1992 Character of Storm
PENNSYLVANIA,	We	estern Cont	.'d						
Fayette County									
3 SW Unointown	08	2320EST			0	0	0	0	Flash Flood
14	The three	flooding of re e feet of water	oads occur r on them	irred in Ho	opwoo	d and No	orth (Jnion To	ownship with some roads having
Uniontown	08	2355EST			0	0	4	0	Flash Flood
	susta	ained property	damage t Redtone	while mo c Creek, U	torists nionto	were tra	apped th Un	in their	ents were flooded. Two store cars in as much as four feet o nship, and Hopwood lasted unti
Cambria County 9 SW Ebensburg	09	0030EST			0	0	0	0	Thunderstorm Winds
	A tr	ee was knock	ed down	in Jackson	Town	ship nea	r Vin	co.	
Clarion County 13 S Clarion	11	0040EST			. 0	0	0	0	Thunderstorm Winds
13 S Ciarion			. 4 . 4	:- D:	•	U	U	U	I nunderstorm vvinds
12 C Clarian 4	1 ree	s were knock	ea down	in Kimers	ourg.				
13 S Clarion to 10 SW Clarion	11	0045EST			0	0	0	0	Flash Flood
	Road	dways were fl	ooded in	Rimersbu	rg and	Sligo.			
Jefferson County	11	0050EST			0	0	0	0	Lightning Thunderstorm Winds
	A tr	ansformer wa	s struck	by lightni	ng and	knocke	d out	of com	mission and power lines fell in
		ston.					041		The second secon
13 SE Brookville	11	0100EST			0	0	0	0	Flash Flood
3	Floo	ding occurred	in Punx	sutawney a	and on	tributar	ies of	Mahoni	ng Creek.
Beaver County 9 SE Beaver	11	0130EST			0	0	0	0	Thunderstorm Winds
) bb barrer	25.00	s and power l	lines were	knocked				Y	I indirect storm winds
Washington County	1100	s and power i	inios word	KHOCKCU	down	m Leon	omy.		
9 NW Washington	11	0745EST			0	0	?	0	Lightning
	A ho	ome in Hickor	y was str	uck by lig	htning				
Westmoreland County					22	2	2		
13 SE Greensburg	11	0800EST	_		0	0	2	0	Lightning
	A ho	ome in Donega	al was str	uck by lig	htning	causing	four	panels of	f aluminum siding to be knocked
Greensburg	11	0830EST			0	1	0	0	Lightning
	A m	an was hit by	lightning	g in Hemp	field T	ownship	•		
Washington County	20120				-		_		
18 SE Washington	11	1000EST		820 F	0	0	?	0	Lightning
	Ligh insid	tning sparked le.	a fire in	Centervill	e and	destroye	d a ba	ırn, as w	vell as equipment and machinery
Favette County	111014								(R)
Fayette County 12 NE Uniontown	11	1040EST			0	1	0	0	Lightning

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons I Injured	D	stimated Damage erty Crops	Character of Storm	August 1992	
PENNSYLVANIA	, W	estern Con	t'd								
Somerset County 11 SW Somerset	11	1130EST			0	0	0	0	Thunderstorm	Winds	
11 BW Bomerset			ted and a	mobile ho		-		1072	indation in Casselr		
Favette County	110	os were uprec	ico uno u	moone n	JIIIO W	io move		JI 110 100			
Fayette County 6 SE Uniontown	11	1200EST			0	0	0	0	Thunderstorm	Winds	
<u>.</u>	Large tree limbs were knocked down in Chalk Hill.										
Fayette County Uniontown											
9 NE Uniontown	11	1245EST			0	0	0	0	Flash Flood		
	The	The flooding of roadways and basements occurred in Uniontown and Dunbar.									
Greene County 3 E Waynesburg	11	1245EST			0	0	0	0	Flash Flood		
o D wajnessarg		oding occurred	l along R	oute 188.					I MISIK I ROOM		
Westmoreland County		oung occurre	- mong 1	0000	oubt of		· · · · · ·				
6 SW Greensburg	26	1448EST			0	0	0	0	Hail (0.75)		
	Hai	l of 0.75-inch	-diameter	fell in Ne	w Stan	ton.					
Bedford County	27	2015EST			0	0	0	0	Flash Flood		
	Brush Creek overflowed its banks near Five Forks.										
Crawford County Meadville	27	1920EST			0	0	0	0	Flash Flood		
		vy pooling of	water oc	curred on							
Meadville	27	1930EST			0	0	0	0	Flash Flood		
	Road flooding occurred at the intersection of Routes 322, 19, and 98 near Meadville and left two										
	cars	stranded.									
22 E Meadville 10 E Meadville	27	2030EST			0	0	0	0	Flash Flood		
			curred at	Route 408		1970	ville a	50	of Townville.		
Meadville	28	1115EST			0	0	0	0	Flash Flood		
STORES TO A STORE STORE OF STO	000,000,00	ds and baseme	ents were	flooded in	Mead	ville.			211011 21004		
Meadville	28	1215EST			0	0	0	0	Flash Flood		
	Flooding occurred along Route 27, east of Meadville.										
Warren County				•							
Warren	28	1330EST			0	0	0	0	Flash Flood		
	Roa	d and basemer	nt floodin	g occurred	in Wa	arren.					
Venango County 11 N Franklin	28	1410EST			0	0	0	0	Flash Flood		
	Flooding occurred along Route 427 near Bradleytown.								100		
Clearfield County	28	1650EST			0	0	0	0	Thunderstorm '	Winds	
·	Trees were knocked down and power outages occurred throughout the county.										
13 S Clearfield	28	1810EST		•	0	0	0	0	Thunderstorm \ Flash Flood	Winds	
	Several trees were knocked down in Madera and roads were flooded.										

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons I Injured	De	imated mage ty Crops	Character of Storm	August 1992	
DENINGS/F S/ A NIF A	XX 7	-4 C	a) J								
PENNSYLVANIA	, we	stern Con	t'a							′	
Erie County Erie	30	1225EST			0	1	0	0	Lightning		
LAR			the ground	l near a v		-			taurant in Erie.	There was only	
		minor injury.			5 						
Crawford County Meadville	30	1230EST			0	0	0	0	Hail (0.75) Thunderstorn	n Winds	
		of 0.75-inc dville.	h-diamete	r fell in	Meady	ille an	d powe	r lines	were knocked	down north o	
Erie County 15 S Erie	20	1240EST				0	•		Hail (0.75)		
15 S Erie		30 1240EST 0 0 0 Hail (0.75) Hail of 0.75-inch-diameter fell in Waterford.									
Crawford County	Han	or o. 75-men	-uiametei	icii iii vv	ateriore	4.					
9 W Meadville	30	1241EST	5		0	0	?	0	Thunderstori Lightning	n Winds	
		Power lines were knocked down at Brown Road at Conneaut Lake. Lightning struck a propane tank on a house.									
Warren County 7 E Warren	30	1305EST			0	0	0	0	Hail (0.75)		
	Hail of 0.75-inch-diameter fell at Kinzua Dam, east of Warren.										
RHODE ISLAND		0. 0.70 111011				,					
Newport and	09	1600EST-							36:		
Washington Counties	0)	1900EST			0	0	4	0	Flash Flood	a a	
	Thunderstorms accompanied by torrential rain affected the towns of Newport, Jamestown, Middletown and Little Compton. Widespread street flooding, washouts, and some basement flooding occurred with the worst conditions in Newport. Heavy flooding caused the closing of many streets including the bridge from Jamestown into Newport after many autos stalled just after leaving the bridge. The downpour turned Newport streets into a traffic nightmare after thousands of motorists leaving a weekend festival waited hours for the bridge to be reopened. A weather spotter in Adamsville reported 6.10 inches of rain in 4 hours and a daily total of 7.65 inches. Portsmouth recorded 5.20 inches and Hopkinton, 4.45 inches.										
SOUTH CAROLI	INA										
Berkeley County										d c sv	
Goose Creek Reservoir	02	1120EST			0	0	?	?	Hail (0.75)		
	Hail	of 0.50- to 0	.75-inch-	diameter	was rep	orted.					
Horry County Surfside Beach	03	1435EST			0	0	2	0	Lightning	*	
	Ligh	tning struck	a corner p	iling of S	Surfside	Pier, o	ausing	\$200 to	\$300 in damag	e.	
Beaufort County Yemassee	03	2227EST			0	0	5	0	Lightning	*:	
		tning caused moke inhalat			d a hon	ne after	striking	g the po	rch. One firefig	ghter was treated	
Greenville County										De Maria	
Greenville	04	1625EST			0	0	2	0	Thunderstor	n Winds	
	A marginally severe thunderstorm crossed Greenville County on a path from Travelers Rest, across Greenville City, and to the east of Simpsonville. Although most conditions were favorable for										

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons I Injured	Es D i Prope	timated amage rty Crops	August 1992 Character of Storm		
SOUTH CAROLI	NA (Cont'd							g a A		
	seve	re weather, flo	ow into the	ne storm v	vas fro	m the r	orth.	The on	y severe weather reported was a a number of power outages.		
Marion County 3 E Marion	04	2030EST	or imes c	iowiled in	0	0	5	ng with 0	Thunderstorm Winds		
3 E Mailon	Thu	nderstorm win	ds damag	ed severa	l mobi	le home	es in th	e Walla	ce Park subdivision. A tree fell		
	on one mobile home, part of a roof blew off of one mobile home, and one mobile home blew off its foundation and turned over. There were numerous trees blown onto and over U.S. Highway 501 near the subdivision.										
Chesterfield County 4 SSW Patrick to											
3.5 S Patrick	05	1605EST	0.8	25	0	0	4	0	Tornado (F0) Hail (1.75)		
ä	dama	aging the mob	ile home he storm	itself. It	also (destroye	ed a to	bacco b	off an enclosed mobile home, arn and blew some shingles off hail. There were at least ten		
Lancaster County 10 NE Lancaster	05	1654EST			0	0	?	?	Thunderstorm Winds Hail (1.75)		
	Golf ball-sized hail and downed trees were reported by the Lancaster County Sheriff's Office.										
Greenwood County Ware Shoals	11	1525EST			0	0	?	?	Hail (1.00)		
Sportonkova Countr	Larg	e hail fell brie	fly at Wa	are Shoals	. The	storm	dissipat	ed quic	kly.		
Spartanburg County Woodruff	12	1445EST			0	0	3	?	Thunderstorm Winds		
Horry County	A ro	of was lifted o	ff a barn	and a fev	v trees	were b	olown d	own.			
Conway	12	1530EST			0	0	4	0	Lightning Hail (0.75) Thunderstorm Winds		
	rest c	tning struck a lof the house, loonway. Some	cated at	410 Paul S	street.	re dama Hail of	age in t f 0.75-i	he attic nch-dia	and minor smoke damage to the meter was reported one mile east		
Marlboro County Bennettsville	14	AM			0	0	?	0	Urban Flood		
28	Heavy rains flooded streets in Bennettsville.										
Oconee County Seneca	17	1835EST			0	0	?	?	Thunderstorm Winds		
	A fev south	v trees and po ern Oconee Co	wer lines ounty.	were blo	wn do	wn. T	he stor	m starte	ed at Oakway and moved across		
Oconee County Southern	22	1500EST			0	0	?	?	Flash Flood		
KARTONIK 1 PRINCIPA ANGAR	Mino	r flash floodin	g caused	inundatio	n of se	everal b	ridges	and roa	ds for several hours.		
Abbeville County Lowndesville	27	1840EST			0	0	?	?	Thunderstorm Winds		
Pickens County Six Mile Greenville County	27	1900EST			0	0	?	?	Thunderstorm Winds		
Southern	27	1930EST			0	0	?	?	Thunderstorm Winds		

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons Injured	Est De Proper	imated amage rty Crops	Character of Storm	August 1992	
COLUMN CAROLI	DIA A	0 - 41 1									
SOUTH CAROLI	INA (
Greenville	27	1940EST			0	0	0	0	Funnel Cloud		
	Several bands of thunderstorms moved across northwestern South Carolina ahead of the remnants of Hurricane Andrew. Heavy rains fell in the mountains, totalling four to seven inches over 36 hours, but no substantial flooding occurred. The strongest band produced wind damage. This damage was most significant between Lowndesville and Lake Secession in Abbeville County. A motorist in Greenville observed a small, clearly defined funnel cloud as it passed over the city.										
Berkeley County Countywide	28	0315EST			0	0	?	0	Thunderstorm V	/inds	
Charleston County Countywide	28	0315EST			0	0	?	0	Thunderstorm V	/inds	
	Mar	y large tree li	mbs fell	and power	outage	es occur	red in	both Ber	keley and Charlest	on Counties.	
Many large tree limbs fell and power outages occurred in both Berkeley and Charleston Counties. SOUTH DAKOTA											
Harding County											
Buffalo Day County	01	1308MST			0	0	0	0	Thunderstorm V	inds (G51)	
5 E Pierpont	01	1533CST			0	0	1	1	Thunderstorm V	/inds (G56)	
Brown County Tacoma Park	01	1535CST-			_						
Walworth County Mobridge		1540CST			0	0	1	2	Thunderstorm V	inds (G56)	
	01	1710CST- 1720CST			0	0	0	0	Thunderstorm V	linds (G52)	
E of Java to	01	1700CST-						4		mus (052)	
Edmunds County		1735CST			0	0	4	4	Hail (1.50) Thunderstorm V	inds (G55)	
Edmunds County Bowdle	cent	ge hail and hig ered on U.S. erous window 1735CST-	Highway	12 to the	south	east of .	Java.	The hai	of farms in a 5-mile I destroyed crops, pped trees.	-wide swath knocked out	
20 water	01	1805CST			0 -	0	3	4	Hail (1.75) Thunderstorm W	inds (G55)	
	A vi	olent hailstorr of trees. Mos	n reduced t of the d	crops to samage occ	tubble curred	, broke i west thr	many v ough s	windows south of	, damaged siding, a Bowdle.	nd tore bark	
Spink County 5 NE Redfield	01	1803CST			0	0	1	2	Hail (1.00)		
Roberts County 12 SW Sisseton	01	1832CST			0	0	0	1	Hail (0.75)		
Brown County 10 NW Aberdeen Aberdeen	01 01	1839CST 1843CST			0	0	0	1 0	Thunderstorm V Thunderstorm V	inds (G52) inds (G52)	
Spink County Redfield	01	1852CST- 1910CST			0	0	0	2	Hail (0.75)		
Brown and Spink		1710001				•			11411 (0170)		
Counties Mansfield	01	1900CST			0	0	1	1	Thunderstorm W	inds (G61)	
W 10	Som	e trees in exc	ess of 10	inches in	diamet	er were	blown	over.			
Hand County 7 S Miller Beadle County	01	1935CST			0	0	0	0	Thunderstorm W	inds (G52)	
15 SW Huron 7 S Cavour	01 01	2000CST 2100CST	1.0	100	0	0	0	0	Thunderstorm W Tornado (F1)	inds (G52)	
	A tornado caused damage to a cornfield.										

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of rsons Injured	Est D Prope	timated amage rty Crops	August 1992 Character of Storm
SOUTH DAKOTA	A Co	nt'd							
Tripp County 1 S Winner Lake and Moody Counties	04	1030CST			0	0	1	1	Hail (1.75)
Southern Portion	06	2030CST- 2330CST			0	0	4	4	Flood
	and associated south Mad	Moody Counti ciated with the n of Madison.	es. Baser storm do The hea and Lyor	nents wer wned tree vy rains on. Also on	e dama s and l caused lue to t	iged by knocked Skunk the rains	the flo out po Creek the B	ooding in ower to a to rise ig Sioux	nd in the southern parts of Lake Madison. Winds and lightning about 250 customers mainly just to near bankfull downstream of River came up to near bankfull ust 10th.
Brookings County E of Brookings Near Aurora	09	1825CST- 1845CST	0.1	10	0	0	0	0	Tornado (F0)
Elkton									ge reported. However tornado
Lake County	watc	hing contribut	ed to a tw	o-car col	ision a	it an int	ersecti	on.	
Chester	09	1900CST- 1920CST	3.0	250	0	0	6	2	Tornado (F2)
	upro to be 4,000 nume found of Cl	oted or broker evacuated for gallons of the erous power l dation causing nester the torn	off. As r 19 hour e liquid g ines were the walls ado destro	steel beams after the as into the downed to lean in the byed a new	pierce torna air. One ward conve	ed both do dam Also a le mile rand the enience	a gara aged a umber north o adjace store a	ge and a 12,000 yard wa of Chest ent garag und two f	d damage and large trees were new car inside. The town had gallon ammonia tank releasing as broken up by the tornado and er a house was moved off its was destroyed. To the south uel tanks were blown more than and cornfields near Chester.
Minnehaha County Hartford	09	2105CST-			•				T 11 (0 = 5)
	In ad	2115CST	h	14	0	0 l	1	2	Hail (0.75)
	2200	CST.	neavy rai	ns resulte	a in io	wiand i	100011	g betwee	en Hartford and Colton through
Renner	09	2105CST			0	0	1	1	Thunderstorm Winds (G55)
	High	winds downe	d some tr	ees near I	Renner				
Turner County Marion	09	2125CST			0	0	2	1	Thundamtown Winds (CEO)
wai wi		winds caused	some da	nage to w					Thunderstorm Winds (G50)
Hurley	09	2140CST-	some dar	nage to w	muow	s and O	ildooi	Iuimtui	6.
Viborg	•	2200CST	0.2	25	0	0	4	1	Tornado (F0) Thunderstorm Winds (G55)
	High in Vi	winds damag borg, and alor	ed a graining with a	elevator small torr	south	of Hurl lestroye	ey, blo d som	ew over e farm b	large trees damaging a vehicle uildings near Viborg.
Clay County Wakonda	09	2220CST-							(R)
Meckling Vermillion		2250CST			0	0	4	3	Thunderstorm Winds (G60)
, cammadi	wind	derstorm wind s and heavy r d widespread	ains also	damaged	rees, se crops.	ome on Cons	homes iderab	s, buildir le lightn	ngs, and power lines. The high ing along with the high winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	D	imated amage rty Crops	August 1992 Character of Storm
SOUTH DAKOTA	Cor	nt'd							
	Coi	it u							
Yankton County Volin	09	2215CST- 2315CST			0	0	2	2	Thunderstorm Winds (G50)
	Besid	des three inch	es of rain	, thunders	storm v	vinds bl	lew do	wn some	e large limbs.
Hanson County	Janear .				200	0.00	2120	120	
3 SW Emery	17	1900CST	121	727 72	0	0	2	4	Hailstorm
	and a	a half mile by	one mile a	affecting s ail washe	six farn d off (ns. The	e hail a	lso dama	ns and some corn in an area one aged the paint on some buildings d piles of snow, with the hail
Walworth County 7 S Java	20	1910CST- 1930CST			0	0	1	4	Hailstorm
8	Mark		caused he	avv dama	T.	(Th. 12)	(-)	ceveral	miles long and 1.5 miles wide.
	Stror	ng winds and	heavy rain	accompa	nied th	ne hail.	an arca	Several	nines long and 1.5 miles wide.
Sanborn County Woonsocket	21	1225CST			0	Λ	2	•	TT-9 (1 85)
vvoonsocket	21		1	-14 11	0	0	3	3	Hail (1.75)
	dama	rong thunders age and dimple covered inters	ing some	vehicles.	Heavy	rains o	f two i	inches of	Woonsocket area causing crop more overflowed storm sewers
Sully County Onida	22	2100CST			0	Λ	4	1	Thursdaystown Winds (C60)
Onida	22	2100CST			0	0	3	0	Thunderstorm Winds (G60) Lightning
	6- to	nburst thunde 8-inch branch a lightning-ca	hes off of	some tre	es, and	l sucked	storag d at lea	ge buildin ast two v	ng, snapped power poles, ripped windows out of a mobile home.
Entire State	Sum: Augu				0	0	0	7	Unseasonable Cold
	resul	month of Aug ted in estimate state 90.	ust contri ed crop lo	buted to o sses of \$3	one of t 88 milli	he cool on, esp	est sur ecially	nmers of east of	n record in South Dakota. This the Missouri River and north of
TENNESSEE							*:		
Grundy County	202								
Altamont	08	1430CST			0	0	5	0	Lightning
		e started by li	ightning d	estroyed	a brick	house.			
Palmer	09	1050CST			0	0	5	0	Lightning
	Light	tning caused a	fire that	destroyed	a hou	se.			
Giles County Pulaski	09	1330CST			0	0	3	0	Thunderstorm Winds
	A lar well.		fell dama	iging a ro	of, a b	oat and	a por	ch. Oth	er trees were knocked down as
Marshall County	well.								
Lewisburg	09	1400CST			0	0	2	0	Thunderstorm Winds (G35)
N	Sever	ral small tree	limbs and	power li	nes we	re knoc	ked do	wn.	(R)
Lewisburg	09	1415CST		PHC)	0	0	3	0	Lightning
	One l	house was set	on fire b	y lightnin	g.				5.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of ersons I Injured	Es D Prope	stimated Jamage erty Crops	August 1992 Character of Storm
TENNESSEE Con	nt'd								
Williamson County Brentwood	09 Thre	2200CST ee houses were bout 50 percen	e damaged	by fires	0 started	0 by light	4 ning.	0 One of	Lightning those houses had severe damage
Rhea County N of Dayton	10	1315CST			0 g High	0 way 27.	2	0	Thunderstorm Winds
Bledsoe County NE of Pikeville	10 Tree	1340CST es are downed	along Mi	ll Dam R	0 oad.	0	2	0	Thunderstorm Winds
Hamilton County Chattanooga	10	1445CST			0	0	2	0	Thunderstorm Winds
Sequatchie County Dunlap	10	1500CST houses were			0	0	3	0	Lightning
Coffee County Tullahoma	10 Wind	1512CST	to 35 mpl		0	0	3 a gase	0 oline stat	Thunderstorm Winds ion. Minor street flooding was
Tipton County Western Valley	10	1800CST		d domesto	0	0	0	4	Flash Flood
Grundy County Tracy City	10	2000CST rge tree was s	-		0	0 0	2	0 0	Lightning
Blount County Maryville	11	1815CST			0	0	3	0	Lightning
Cocke County Newport		house caught 0800CST	fire as a t	ree which	o was s	truck by	light	ning fell 0	on it. Thunderstorm Winds
Newport	13	w tree limbs v 0815CST ral streets wer			ı. O	0	2	0	Minor flooding
Knox County Knoxville	21	1300CST			0	0	2	0	Flash Flood
Giles County Bryson	27	1400CST w trees were k		own.	0	0	2	0	Thunderstorm Winds
Lincoln County Fayetteville	27	1400CST w trees were k		= 1==+	0	0	2	0	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons Injured	Da	imated image ty Crops	August 1992 Character of Storm
TENNESEE Cont	'd								
Marshall County Lewisburg	27	1500CST	0.3	15	0	4	3	0	Tornado (F0)
Demisourg				10070					tornado and spun several times.
Maury County									
Santa Fe	27	1545CST			0	0	4	. 0	Thunderstorm Winds
		of a house ro royed.	of and a t	oarn roof	was bi	own off	. Ano	ther bar	n and several outbuildings were
Williamson County	27	1545CCT			•			Δ.	Th
Peytonsville	27	1545CST nobile home wa	as demoli	ched A	0 roof ar	0 nd norch	4	0 inned o	Thunderstorm Winds
Cumberland County	AII	iodie nome w	as demon	siled. A	iooi ai	iu porch	was i	ipped o	II a nouse.
Crossville	27	1630CST			0	0	2	0	Thunderstorm Winds
	Seve	eral trees and	power line	es were k	nocked	down.			
Williamson County 5 SE Franklin	27	1700CST			0	0	2	0	Thunderstorm Winds
		eral trees were	blown de	own by th	unders		-75		
Davidson County									
Southwestern Portion	27	1700CST			0	0	2	0	Thunderstorm Winds
925 (4704) (54	Seve	eral trees and p	power line	es were k	nocked	l down.			
Fentress County Eastern Portion	27	1735CST			0	0	2	0	Thunderstorm Winds
	A fe	ew trees were	knocked o	down in th	ne east	ern port	ion of	Fentres	s County.
Wilson County						_			100 - 100 -
Gladeville	27	1750CST	0.5	30	0	0	4	. 0	Tornado (F0)
		was blown of							le home lost most of its roof. A
Davidson County	25	101 FCCM						•	m 1
Eastern Portion	27	1815CST	ana lemanle	end danum	0	0 do-ato-	3	0	Thunderstorm Winds
Sumner County	Null	nerous trees w	ere knock	ed down	oy mu	nderstor	m wm	us.	
Hendersonville	27	1845CST			0	0	2	0	Thunderstorm Winds
	Som	e tree limbs w	ere blow	n down.					
Wilson County 4 SW Lebanon	27	1850CST	0.3	15	0	0	4	0	Tornado (F0)
4 5 W Lebanon								2.77	es were knocked down. Several
	outb	uildings were	destroyed	. A steel	girde	was th	rown a	bout 20	00 yards.
Sumner County Central Portion	27	1915CST			0	0	2	0	Thunderstorm Winds
	1000	nderstorm win	ds downe	d several					Thunderstorm winds
Trousdale County									
Hartsville	27	1945CST	2/0	u u	0	0	2	0	Thunderstorm Winds
	Seve	eral tree limbs	were blo	wn down	by thu	nderstor	m win	ds.	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons	D	timated amage rty Crops	August 1992 Character of Storm
3									
TEXAS, Panhand	lle								W AN
Gray County	Λ1	1555CCT			0	0	•	^	TTo:1 (0 00)
Lefors	01	1755CST	retorm i	n the east-	0 vantral	O Teves	U Danhai	0 adle pro	Hail (0.88) luced nickel-size hail in Lefors.
		hail was repor							
Ochiltree County 2 E Perryton	02	0100CST			0	0	0	5	Hail (1.50)
	hou	rs. One of th	e thunde	erstorms be	came	severe	and p	roduced	handle during the early morning hail up to Ping-Pong ball-size. orrential rainfall.
Randall County 7 S Amarillo 5 SW Amarillo	04 04	1503CST 1525CST			0	0	0	0	Hail (1.00) Thunderstorm Winds (G61)
	The	hail was repo	rted by t winds	he Randall that snapp	Coun ed the	ty Sher	iff's O phone	ffice. T	size hail just south of Amarillo. The thunderstorm also produced and uprooted small trees. A
Wheeler County Allison	04	1839CST			0	.0	0	0	Hail (2.00)
Hemphill County 3 N Allison	04	1845CST			0	0	0	0	Hail (1.75)
	A N appa	lational Weath	er Servio little dan	ce coopera	tive ol	oserver	report	ed hail t	ry became severe near Allison. he size of hen eggs. The hail of golf ball-size north of Allison
Oldham County 1 SE Vega	10	1418CST			0	0	3	0	Hail (1.75)
Randall County 7 S Amarillo	10	1552CST			0	0	0	0	Hail (1.00)
Armstrong County 2 W Wayside	10	1600CST			0	0	0	0	Hail (0.75)
Randall County 2 N Happy	10	1555CST			0	0	0	0	Thunderstorm Winds (G61)
Swisher County Happy	10	1600CST			0	0	0	0	Thunderstorm Winds (G52)
1)	Office meter Serv 70 n	ce reported the corologist relay ice cooperative oph winds just	at wind yed a rep observe north of	shields we oort of qua r reported of Happy in F	re bro rter-si dime-s Randal	ken by ze hail ize hail I County	golf just so near V	ball-size outh of A Vayside. winds v	c. The Oldham County Sheriff's hail. The KFDA television Amarillo. A National Weather Strong outflow winds produced were estimated by a SKYWARN to 60 mph in Happy.
Ochiltree County 1 S Perryton	10	1925CST			0	0	0	0	Hail (1.75)
Hansford County 3 W Spearman	10	2010CST			0	0	0	0	Hail (0.75)
	hail	just south of I e-size hail fell	Perryton.	The hail	report	was re	layed	by the K	lerstorm produced golf ball-size AMR television meteorologist. I was reported by the police in
Hutchinson County	17	1622CCT			0	0	0	•	He:1 (0.00)
Sanford Dam Moore County	17	1632CST			0	0	0	0	Hail (0.88)
2 W Fritch Potter County	17	1632CST			0	0	0	0	Hail (0.88)
5 N Amarillo	17	1820CST			0	0	0	0	Hail (1.00)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	D	timated amage rty Crops	August 199
TEXAS, Panhand	le Co	ont'd							
5 N Amarillo	17	1820CST			0	0	3	0	Thunderstorm Winds (G5
Randall County 6 SE Amarillo Randall County	17	1842CST			0	0	4	0	Thunderstorm Winds (G6
Canyon 2 S Canyon	17 17	1905CST 1930CST			0	0	5 3	0	Thunderstorm Winds (G6 Thunderstorm Winds (G5
Swisher County 2 W Happy	17	1940CST			0	0	3	0	Thunderstorm Winds (G5:
Castro County Dimmitt	17	2000CST			0	0	2	0 ,	Thunderstorm Winds (G5:
	some blow Nati- storr mete Sher At 1 trees	e minor structuorologist. A ving a wide-sp onal Weather ns continued corologist repoiff's Office es 940 CST, the	strong is an roof of Service s to produ rted wind timated t Swisher Iappy. T	ge occurred macroburst off one structure down blumills blow hat 60 mpl County She Castro (d. The devel ucture ey esti ourst ver over h wind eriff's	e damag oped ju and pro mated v vinds a in Can s had b Office	e reponse solution to the control of	orts were utheast of g minor near 80 or moved a short over a sided 60 m	orthern sections of Amarillo as relayed by the KAMR televisis of Amarillo around 1842 CS damage to other dwellings. In this downburst. To south. The KVII televisis the time later, the Randall Counties that it is a possible to the counties of the counties
Parmer County Friona to	26	2350CST			0	0	5	0	Thunderstorm Winds (G5
8 S Friona	hour Frio Serv	s. An intense na south to H	thunders ub. Frio onfirmed	storm prod na police, that windo	uced a emerg ws we	macrol ency m	burst v lanage	with dam ment of	andle during the early morning thunderstorm winds from the ficials and Southwestern Publishers, fences were blown down
Castro County 12 NE Dimmitt 9 N Dimmitt 2 NW Dimmitt Dimmitt	30 30 30 30	1658CST 1836CST 1935CST 2000CST-			0 0 0	0 0 0	0	0	Hail (1.00) Hail (0.75) Hail (0.88)
		2100CST			0	0	0	: 0	Flash Flood
	from The	dime- to quar sheriff's office	ter-size. ce also r	All hail re eported wi	ports v despre	vere rec	eived et flo	from the oding in	Hail with these storms rang Castro County Sheriff's Offic Dimmitt. Two feet of wat some vehicles.
TEXAS, Northern	ŀ			•					
Tarrant County Lake Worth	01	1730CST	٤		0	0	3	?	Thunderstorm Winds
Village	Stroi	ng winds upro	oted large	e trees, and	d brok	e seven blown	powe down.	r poles.	A portable building was blow
Kaufman County 1 SW Terrell Kemp	01 01	1835CST 1845CST			0				Lightning Thunderstorm Winds
	At 1	mile southw	cal syste	m of a ho	tning s	struck a	telev	vision an	tenna, and the charge travel ic and walls, which spread as v the roof from an old garage

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	D	timated amage rty Crops	At Character of Storm	igust 1992
TEXAS, Norther	n Cor	ıt'd								
Bowie County	02	1315CST- 1430CST			0	0	?	?	Flash Flood	
	At N At T	lash, heavy rai exarkana, son	ins of mo	re than two	o inche	s occuri	ring ir	about 1	hour caused low are	a flooding
Hunt County										
Jardin Freestone County	02	1400CST			0	0	?	?	Hail (0.75)	
Teague 10 NE Fairfield	02 02	1410CST 1430CST			0	0	2 2	?	Thunderstorm Win Thunderstorm Win	
	At T	eague, strong ls snapped 6-in	winds bro	ought large	tree 1	imbs do	wn. A	At 10 mil	es northeast of Fairfi	NOT THE REAL PROPERTY.
Collin County										
Princeton	02	1512CST			0	0	?	?	Hail (0.75)	
Murphy McLennan County	02	1547CST			0	0	?		Hail (0.88)	
3 SE McGregor Speegleville	02 02	1520CST 1530CST			0	0	3	?	Thunderstorm Win Thunderstorm Win	
	At S	miles southeas peegleville, str also blown de	rong wind	regor, stro	ong wii ivacy 1	ds topp ences de	led six	newly-e	erected, unanchored n steel fenceposts, and	netal silos
Iood County 2 S Granbury	02	1545CST			0	0	3	?	Thunderstorm Wi	nds
•	At P		2 miles	south of G	ranbu	y), stro	ng wi	inds blew	v a satellite dish onto	3/11/05/05/05
Collin County		i, iippod omiig	,ico irom	nouses, un	id olo	ight troc	, 111110	o down.		
Murphy Grayson County	02	1545CST			0	0	?	?	Hail (0.88)	
Sherman	02	1622CST			0	Q	?	?	Hail (0.75)	
1 S Pottsboro Pallas County	02	1634CST			0	0	?	?	Hail (0.75)	
diado County										
Dallas Garland	02 02	1625CST 1655CST			0	0	?	?	Hail (0.75)	nds
Dallas Garland	02 On th	1655CST he northern sho	ore of Wh	uite Rock I	0	0	3	?	Hail (0.75) Thunderstorm Win orth Garland, downb	
Garland	02 On th	1655CST	ore of Wh	nite Rock I ed trees.	0	0	3	?	Thunderstorm Win	
Garland	02 On th	1655CST he northern sho	ore of Wi	nite Rock I ed trees.	0	0	3 hail f	? fell. In n	Thunderstorm Win orth Garland, downb	
Garland Denton County Krum Denton	On the destr	1655CST the northern showed fences are 1650CST 1651CST	ore of Whad uproot	nite Rock I ed trees.	0 .ake in 0 0	0 Dallas, 0 0	hail f	? fell. In n ? ?	Thunderstorm Win orth Garland, downb Hail (0.88) Hail (1.00)	
Garland Denton County Krum Denton Krum	02 On the destreet 02 02 02 02	1655CST the northern showed fences are 1650CST 1651CST 1653CST	ore of Whad uproot	nite Rock I ed trees.	0 ake in 0 0	O Dallas,	hail f	? fell. In n	Thundersform Win orth Garland, downb Hail (0.88) Hail (1.00) Hail (1.75)	
Garland enton County Krum Denton Krum 6 W Denton [askell County	02 On the destr 02 02 02 02 02	1655CST the northern sho toyed fences ar 1650CST 1651CST 1653CST 1706CST	ore of Whad uproot	nite Rock I ed trees.	0 ake in 0 0 0	O Dallas,	hail f	? fell. In n	Thundersform Win orth Garland, downb Hail (0.88) Hail (1.00) Hail (1.75) Hail (1.75)	urst wind
Garland Denton County Krum Denton Krum 6 W Denton Jaskell County	02 On the destreet of the dest	1655CST the northern sho toyed fences ar 1650CST 1651CST 1653CST 1706CST	nd uproot	ed trees.	0 ake in 0 0 0 0 0 0	0 Dallas, 0 0 0 0 0	3 hail f	? fell. In n	Thunderstorm Win orth Garland, downb Hail (0.88) Hail (1.00) Hail (1.75) Hail (1.75)	ourst wind
Garland Denton County Krum Denton Krum 6 W Denton Iaskell County Rochester	02 On the destreet of the dest	1655CST the northern sho toyed fences ar 1650CST 1651CST 1653CST 1706CST	nd uproot	ed trees.	0 ake in 0 0 0 0 0 0	0 Dallas, 0 0 0 0 0	3 hail f	? fell. In n	Thundersform Win orth Garland, downb Hail (0.88) Hail (1.00) Hail (1.75) Hail (1.75)	nds (G52)
Garland Denton County Krum Denton Krum 6 W Denton laskell County Rochester	02 On the destreet of the dest	1655CST the northern sho toyed fences ar 1650CST 1651CST 1653CST 1706CST	nd uproot	ed trees.	0 ake in 0 0 0 0 0 0	0 Dallas, 0 0 0 0 0	3 hail f	? fell. In n	Thunderstorm Win orth Garland, downb Hail (0.88) Hail (1.00) Hail (1.75) Hail (1.75)	nds (G52)
Garland Denton County Krum Denton Krum 6 W Denton Jaskell County Rochester	02 On the destriction of the des	1655CST the northern sho toyed fences ar 1650CST 1651CST 1653CST 1706CST 1720CST ag winds lifted 1730CST ag winds discort	a portion	n of roof fo	O ake in O O O O O O O O O O O O O O O O O O O	O Dallas, O O O O O O O O O O O O O O O O O O O	hail f	? fell. In n ? ? ? puse, and ?	Thundersform Winorth Garland, downboth Garland, downboth Hail (0.88) Hail (1.00) Hail (1.75) Hail (1.75) Thundersform Windowned power pole Thundersform Winthe roof from a barn.	nds (G52) s.
Garland Denton County Krum Denton Krum 6 W Denton Haskell County Rochester Collin County Frisco	02 On the destriction of the des	1655CST the northern sho toyed fences ar 1650CST 1651CST 1653CST 1706CST 1720CST ag winds lifted 1730CST ag winds discort	a portion	n of roof fo	O ake in O O O O O O O O O O O O O O O O O O O	O Dallas, O O O O O O O O O O O O O O O O O O O	hail f	? fell. In n ? ? ? puse, and ?	Thunderstorm Win orth Garland, downb Hail (0.88) Hail (1.00) Hail (1.75) Hail (1.75) Thunderstorm Win downed power pole	nds (G52) s.
Garland Denton County Krum Denton Krum 6 W Denton Haskell County Rochester Collin County	02 On the destriction of the des	1655CST the northern sho toyed fences ar 1650CST 1651CST 1653CST 1706CST 1720CST ag winds lifted 1730CST ag winds discort	a portion	n of roof fo	O ake in O O O O O O O O O O O O O O O O O O O	O Dallas, O O O O O O O O O O O O O O O O O O O	hail f	? fell. In n ? ? ? puse, and ?	Thundersform Winorth Garland, downboth Garland, downboth Hail (0.88) Hail (1.00) Hail (1.75) Hail (1.75) Thundersform Windowned power pole Thundersform Winthe roof from a barn.	nds (G52) s.

At Maryetta, lightning struck a tank battery, causing a small fire. At 2 miles east of Joplin, lightning struck a field, igniting a grass fire.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured		imated amage ty Crops	August 1992 Character of Storm
TEXAS, Northern	Con	nt'd							
Palo Pinto County 10 W Graford Santo	02 02	1730CST 1810CST			0	0	3 2	?	Thunderstorm Winds Thunderstorm Winds (G56)
Sullio	On t		ore of Posses. At S	ossum Kin Santo, stro	gdom]	Lake (1	0 mile	s west o	of Graford), strong winds lifted
Stephens County 1 W Breckenridge Caddo	02 02	1740CST 1745CST			0	0	2 3	?	Thunderstorm Winds Thunderstorm Winds
	At 1 dest		f Brecken	ridge, stro ick buildir	ng win	ds blew		a power	pole. At Caddo, strong winds
Wise County Chico	02	1745CST			0	0	2	?	Thunderstorm Winds
	Stro	ng winds tore	the roof o	of a 1000-s	seat tent	, and ca	used s	everal o	f its securing stakes to loosened.
Parker County Whitt	02	1750CST			0	0	?	?	Hail (0.75)
Eastland County Ranger	02	1808CST			0	0	2	?	Thunderstorm Winds
Cisco Cisco	02	1822CST			0	0	?	?	Hail (0.75) and Thunderstorm Winds (G52)
Cisco	At R	langer, strong	winde b	roke a traf					
Froth County	ALI	anger, strong	winds of	oke a tiai	ne gua	iu aim	ai a ia	iiioau ci	ossing.
Erath County 8 N Stephen- ville	02	1849CST			0	0	?	?	Thunderstorm Winds (G53)
,	Stro	ng winds mov	ed a railr	road car al	ong the	tracks.			
Montague County Spanish Fort	02 02	1935CST 1935CST			0	0	?	?	Hail (0.75)
Spanish Fort	A. W. C. S. C.		uaht a fau	. b		•	2	•	Thunderstorm Winds (G52)
Shallow County	Siroi	ng winds bro	ugnt a lev	v tree bran	icnes d	own.			
Shelby County Center 1 E Center	10 10	1715CST 1720CST			0	0	5	?	Thunderstorm Winds Thunderstorm Winds
	auto	mobiles. Tra	ffic lights	were blo	wn dow	m, and	numer	ous tree	rge sections of it to fall on four limbs were also downed. At 1 rm-to-market road.
Harrison County	10	1025000							TT 11 (0.00)
3 SW Scottsville 2 SW Scottsville	10 10	1925CST 1925CST			0	0	? 3	?	Hail (0.88) and Thunderstorm Winds
2 N Elysian Fields	10	1930CST			0	0	3	?	Thunderstorm Winds
raus	At 3 miles	miles southy s north of Ely	vest of Sc ysian Field	ottsville, s ds, thunde	trong v	vinds of winds u	50 to	60 mph ed trees.	blew down several trees. At 2
Shelby County Center	11	0335CST			0	0	3	?	Lightning
	Ligh	tning struck a	transform	mer, disru	pting th	e powe	r supp	ly.	,
Hill County									
2 S Peoria	11	1400CST			0	0	3	?	Thunderstorm Winds
	Stroi topp	ng winds lifte led, and the t	d tin from runk of a	a garage i large tree	roof, ar was br	d tore s oken, f	hingle alling	s from a upon po	house. A 30-foot windmill was wer lines.
Anderson County 3 SE Elkhart	11	1430CST			0	0	3	?	Thunderstorm Winds

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		unber of ersons d Injured		timated amage rty Crops	August 1992 Character of Storm
		2					2.011		
TEXAS, Northern	1 Cor	ıt'd							
	Stro	ng winds bro	ight pow	er lines do	wn.				
Coryell County 2 SE Copperas Cove	11	1430CST			0	0	4	?	Thunderstorm Winds
,	blow	n from anoth	er. The	patio roof	ofal	home wa	is blov	vn over	construction, and sheathing was the main roof, taking down the vere either uprooted or had their
Bell County Robert Gray AAF	11	1431CST			0	0	3	?	Thunderstorm Winds (G66)
AAF	Stroi		d a porti	on of the	oof of	the fire	statio	n, and b	lew windows out of the control
Smith County	10	151500m							
Tyler	12	1515CST- 1700CST			0	0	?	?	Flash Flood
	Heav stran	y rains resuded. At one	lted in st underpas	treet flood s, water w	ing, c	ausing n	umero t deep.	ous vehi	cles to stall, leaving motorists
Wichita County Electra	30	1500CST			0	0	3	?	Flash Flood
	As n	nuch as five i	nches of	rain fell in	Elect	ra, flood	ing so	me rura	roads and at least one house.
Eastland County Eastland	31	2145CST- 2345CST			0	0	?	?	Flash Flood
	Heav	y rains of est	imated an	nounts bet	ween	two and	four in	nches res	sulted in street flooding. Water ving motorists stranded.
TEXAS, Southern					7		,		
Williamson County 2 W Jarrell	02	1620CST			?	?	?	?	Hail(0.88)
	A we	eather observe	er reporte	d nickel-s	ize hai	l west of	f Jarre	11.	
Montgomery County 10 W Conroe	02	1745CST	.01	10	?	4	?	?	Tornado (F1)
	A to	rnado tore the	roof off	a house n	ear La	ke Conre	oe.		
Burleson County 5 E Caldwell	02	1930CST			?	?	3	?	Lightning
	Light	tning struck t	wo oil we	ells east of	Caldy	vell,caus	ing tw	o fires.	4
Madison County Madisonville	02	1935CST			?	?	4	3	Thunderstorm Winds
	Thun	derstorm win damaged.	ds tore th	ne roof off	a mol	oile home	e near	Madiso	nville. Some trees in the areas
Harris County Houston	09	1200CST			?	1	?	?	Lightning
		an standing u	nder a tre	ee on a go					the tree was hit by lightning.
Brazoria County Lake Jackson	13	1600CST			?	?	4	?	Lightning
want Jacksvii		e started by li	ightning o	anced mai					Lightning
	A III	started by I	Summy (auscu maj	or uar	mage to a	LIOUS	c, m Lai	AC JACKSOII.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons Injured		estimated Damage perty Crops	Character of		August 1992
		100									
TEXAS, Southern	Con	ıt'd									
Nueces County Corpus Christi Bay 1 N W Robstown 1 N W Robstown	25 25 25	0900CST 0945CST 0955CST	.30 .40 .10	20 20 20	?	?	???	??	Waters Waters Tornad	pout	
	Polic	aterspout was ce Departmen hwest of Robs dissipated with	t observe town abo	ed the voi	rtex ur an hou	itil it di	ssipa	ited. A	from land second w	. The Caterspout	was sighted
San Patricio County 5 N Odem	25	0955CST	.05	20	?	?	?	?	Tornad	o (F0)	
	A to was	rnado briefly reported in th	touched of area.	lown near	FM 1	945 and	Cou	nty Road	35 north	of Odem.	No damage
Jim Wells County 1 N Orange Grove	30 30	1815CST- 1828CST	.25	50	9	_	2	,	Towns	o (IF1)	
Orange Grove	30	1830CST	.23	30	?	5 ?	3	ż	Tornad Flash F		
Harris County 10 N Houston	Grov	ornado was rep damage, a ba ve, six inches s flooded road 1530CST	rns roof of rain v	was blow	n off.	Several	trees	s in the a	reas were r water aft	uprooted ter the dr	 In Orange
	Win	d gusts to 76	MPH we	re recorde	d at H	ouston I	nterc	ontinenta			
TEXAS, Western									Y.		
Tom Green County San Angelo	02	1415CST			0	0	2	0	Thunde	erstorm \	Winds (G58)
		nburst winds or damage resu		67 mph a	it the l	National	Wea	ther Serv	rice Office	in San A	angelo. Only
Stonewall County Asperment	03	0002CST			0	0	1	1	Hail (1.	.50)	
	THe No s	Stonewall Co significant dan	unty Shen	riff's Office noted.	се геро	rted hail	slig	htly smal	ler than go	olf balls i	n Aspermont.
Pecos County 9 W Iraan	12 13	2340CST- 0214CST			0	0	2	2	Flash F	lood	a .
	Pers. of Ir	istent heavy ra raan. Water u	ains from p to 3 fe	slow-mo	ving th	understo a motor	orms ist or	resulted n U.S. H	in the clos ighway 19	sing of h	ighways west
Midland County Midland Midland	20 20	0232CST 0232CST			0	0	3 4	2 2	Hail (0. Thunde	75) erstorm	Winds (G61)
		e-size hail accurate uprooted trees									
Ector County Odessa	20	0355CST			0	0	5	1	Lightni	ng	
	Ligh	tning struck to	he Cham esulting o	pion Cher hemical fi	nical p	olant in seed the e	south	eastern (Odessa and roughly 4.	l triggere	d a series of le. Although

explosions. The resulting chemical fire forced the evacuation of roughly 4,000 people. Although no one was injured by the lightning, 46 people were treated for inhalation of noxious fumes.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Pe	mber of rsons Injured	D	imated amage rty Crops	August 1992 Character of Storm
TEXAS, Western	Cont	'd							
Crana County									
Crane County Crane	26	1136CST- 1258CST			0	0	2	2	Flash Flood
		Crane County rted under wat			orted	flash flo	ooding	in Crane	Several secondary roads were
Scurry County									
Snyder Snyder	30 30	1725CST 1725CST			0	0	14	3 1	Hail (1.00) Thunderstorm Winds
	dama	Scurry Count age resulted. s in Snyder.	y Sheriff Downbu	rst winds	reporte which	ed quart accomp	er-size anied	hail in the storn	and near Snyder. Minor crop n downed power lines and tree
Crane County									
8 W Crane	31	2034CST			0	0	0	0	Hail (0.75)
6 W Crane 14 W Crane	31 31	2156CST 2213CST			0	0	0	0	Hail (0.75) Hail (0.75)
Crane	31	2318CST-			U	U	U	U	Han (0.73)
Crane	31	2359CST 2321CST			0	0	2 0	0	Flash Flood Hail (0.88)
	dime	-size hail in th	e centra	l portion of	of the c	ounty.	As the	e storms	ne Police Department observed moved over Crane, nickel-size ted from the hail and flooding.
UTAH									
Utah County Provo	04	1525MST			0	0	0	0	Thunderstorm Winds (G55)
	micr	oburst winds. 55 mph rang	A spotte	er reported	a sing	gle gust	to 63	mph. A	were high based, and produced fter this, gusts remained in the pated. There was no damage
Box Elder County 26 W Tremonton	16	1845MST			0	0	0	0	Thunderstorm Winds (G56)
	susta	ne of thunderst ined winds of derstorms. No	40 mph	with gus	sts to 6	55 mph	. Brie	Utah H ef heavy	ighway Patrol trooper reported rain also occurred with these
Tooele County 30 W Salt Lake	16	2100MST	0.5	20	0	0	0	0	Funnel Cloud
City	funne able	el cloud was sp to see the funr	potted by iel cloud	a Salt La because o	ke Cit	y reside requent	nt who	was dri	produced a funnel cloud. This ving west of the city. He was ause the funnel cloud occurred
	ın a	remote area, tl	ne amour	it of time	it laste	d can't	be dete	ermined.	
Salt Lake County Kearns	20	2312MST			0	0	0	0	Thunderstorm Winds (G55)
	wind	e of thunderstone and little rain in the 35 to 4	nfall. Th	ne spotter	reporte	d only a	a single	e gust to	20th. This line produced gusty 63 mph. Other gusts reported
Utah County Provo	21	1513MST			0	0	3	0	Thunderstorm Winds (G66)
over the second	High which limbs	based thunder h reduced visit had been blo	bilities to wn off.	Some pov	ry stro	ng and g any area ages oc	gusty was. A	vinds. The spotter reas a res	hese winds caused blowing dust eported that a lot of small tree ult of these winds. There was h range after this gust.

	Time Local/	Path Length	Path Width	Number of Persons	Estimated Damage	Augus	t 1992
Location	Date Standard	Length (Miles)	(Yards)	Killed Injured	Property Crops	Character of Storm	

UTAH Cont'd

Salt Lake County Sandy

21 1600MST

0 1 2 0

Lightning

Thunderstorms that were over the southeast portion of Salt Lake City produced frequent lightning. A cement truck was struck by lightning while the driver was in contact with the outside of the vehicle. The jolt threw the driver 20 to 30 feet into some bushes. He was knocked unconscious, but only received minor injuries. The cement truck did receive some minor damage.

Kane County

22 1900MST-2030MST

0 4 0 0 Flash Flood

Tropical moisture combined with a cool upper trough to produce widespread showers and thunderstorms over most of Utah. The heaviest rainfall was in the eastern and southern portions with flash flooding occurring in extreme southern Utah. Warm Creek drainage near Big Water had 3 to 5 feet of water running through it. A nine-year-old girl was near the creek when the flooding began. She was taken a considerable distance downstream by the flood waters before she was found. She only received minor cuts and bruises. During the rescue attempt, two family members and a rescue worker also fell into the creek, and sustained minor injuries. No damage occurred as a result of the flooding.

Iron County Cedar City

25 1050MST

0 0 0 0 Hail (0.75)

The combination of the jetstream, an upper level disturbance, and a surface boundary over southern Utah acted on a somewhat moist and unstable air mass. This produced numerous thunderstorms over this area. The large hail that occurred at the Cedar City Airport covered the ground to a depth of 1 inch. The airport also received 1.00 inch of rain in a 30-minute period beginning at 1037 MST. Several other reports from Iron County and adjoining Washington County had quarter-to half-inch hail and brief heavy rain. This hail covered the ground in a few areas. Only minor flooding was reported in both counties. Frequent lightning knocked out power to a large portion of northwest Washington County. However, no damage occurred as a result of the lightning. No major damage was caused by the hail, only the shredding of vegetation.

Iron County Beryl

25 1600MST

0 0 0 Hail (1.00)

Additional thunderstorm activity was produced by the above combination of factors. Again the heaviest activity was in the southwestern portion of the state. Very heavy rain also occurred along with this large hail. Because this large hail occurred in a remote area, no major damage occurred, and was confined to the shredding of vegetation.

Salt Lake Cou 15 SW Salt	inty Lake
City	
15 W Salt L City	
5 NE Salt La City	
Tooele County Grantsville	7

30	1316MST	0.8	200	0	0	. 0	0	Tornado (F0)
30	1328MST	0.5	20	0	0	0	0	Waterspout
30	1344MST	0.5	20	0	0	0	0	Funnel Cloud
30	1530MST	0.5	20	0	0	0	0	Funnel Cloud

A very moist air mass and diffluent flow aloft combined to cause widespread showers and thunderstorms over the entire state. Thunderstorms over the northwestern portion produced a tornado, a waterspout, and two funnel clouds. The tornado formed over the southwestern portion of the Salt Lake Valley. Several people including personnel at Weather Service Forecast Office in Salt Lake City saw this tornado. It stayed in an open field near West Kearns or approximately 15 miles southwest of the Salt Lake International Airport. It moved very little as it remained in this field. Spotter reports confirmed that the tornado had a very large width. When the tornado moved close to some power lines and poles, it only caused the lines to arc and briefly interrupt electricity to the area. No damage was done by the tornado. Even though this tornado was large in size, it was classified as a F0 because it caused no damage to power poles or structures it came close to. The tornado lasted 13 minutes.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons I Injured	D	timated amage rty Crops	Character o		ust 199	92
UTAH Cont'd												
	pub	waterspout w lic. The surf funnel cloud y much.	ace obser	ver at the S	Salt La	ke Inter	nation	al Airpo	rt also sav	v these featur	res. T	he
		thunderstorm								, small hail,	and br	ief
Salt Lake County	31	1250MST- 1530MST			0	0	0	0	Flash Fl	ood		
	by a	despread show an upper-level as along the V thwestern port	low actin Vasatch F	g on a very Front. The	mois heav	t air mas iest rain	ss. Th	iis produ id urban	ced very h	eavy rainfall	in ma	ny
Washington County		12101 CT	0.2	20		•			"	(E0)		
10 SE St. George	31	1310MST	0.3	20	0	0	0	0	Tornado			
	A p only repo	inderstorms the ilot spotted this on the ground ort. However, was notified.	s tornado d for a b , it was a	along the Urief time. Tround a ha	Utah-A The U If hou	rizona b Itah Hig r before	order. hway	The pi	lot reported the area	d that the ton could not con	nado w nfirm t	as the
VERMONT												
Rutland County Middletown	04	1345EST			0	0	0	0	Hail (0.7	75)		
Springs Pawlet Ira	04 04	1355EST 1355EST			0	0	3	0		storm Wind		
Franklin County East Georgia	04	1445EST			0	0	6	4	Thunder	storm Wind	ls	
Chittenden County Milton Fairfax	04 04	1445EST 1450EST			0	0	4 5	0		storm Wind		
	Sain were Cou In E and dam Geo were strev inju had	ere thundersto at Lawrence V ereported in anty. In East C east Georgia th took the roof aged and sev rgia/Fairfax T e uprooted or wn over 10 ac ries were repo to be destroyed se earlier on A	Valley on Rutland Georgia and the toff a hore con Line blown do cres of courted as a sed. Ironic	August 4th County wind d Fairfax, istorm wind me on a fa e. Trees (upown and crown and crown and crown and crown and crown and crown. Dama result of the	th a n microbals dest rm alcad the ad the p to 5 rops ir ge to he sev	es down nicrobur- burst wir royed a ong Rou ir roofs feet in the are the farm ere thun e same f	ned by st resunds of barn, te 104 remo diamete a wern alone dersto	thunder ulting in up to 100 worksho A. Sev ved just ter and s re destro e was es orms, ho	storm win extensive of mph cause, three-caeral vehicle off of for ome well eyed with a timated at	ds and 0.75- damage in sed extensive in garage, sug- les were also oute 104A a over a 100-y- debris from over \$500,0 eral cows at	inch har Frankle damage garhou heavilong the far 1000. In the far 1000.	ail lin ge. ily the ld) m
VIRGINIA	Jour	- Junior On A	Base 0,	, AIIII	-5 72							
Caroline County	03	1715EST			0	0	0	0	Thunder	storm Wind	s	
· ·	Seve	eral trees were	blown d	own.					V		e=0 €	
Cumberland County	03	1730EST			0	0	0	0	Hail (1.0	00) storm Wind	le.	
	Sher	riff's Departme	ent report	ed quarter-	size ha	il and se	everal	downed				v
Shenandoah County 2W Moores Store	04	1221EST	- Post	7	0	0	0	0		storm Wind		,.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons Injured	D	imated amage rty Crops	August 1992 Character of Storm
VIRGINIA Cont'o	d								
	Sher	riff's Departm	ent repor	ted trees d	owned				
Culpeper County	04	1304EST			0	0	0	0	Thunderstorm Winds
- 4	Tree	s were blown	down.						
Fairfax County 2SW Franconia	04	1345EST-							
25W Francoma	04	1350EST	2.0	75	0	0	3	0	Tornado (F1)
	A w	eak tornado t	raveled a	2-mile ES	E path	causing	tree d	lamage i	n several wooded areas. A few
F-:-6 C4	trees	s fell onto hou	ises.						
Fairfax County Franconia, Burke									
Newington, and Hayfield	04	1345EST-							
•	04	1400EST			0	1	4	0	Thunderstorm Winds (G62)
	a ro	w near Hayfie e estimated at	eld. A few 70 mph (houses w 62 knots).	ere da A fa	maged a lling trea	t Fran e struc	conia. I	ower poles were snapped off in Based on damage reports, winds at Burke, but the driver was not
City of Alexandria		ously hurt. A	nother car	r was hit t		ng trees			Th
City of Alexandria	04	1405EST	minda 90		O Israeta)	There	5	0	Thunderstorm Winds (G70)
	were	downed.	winds 80	mpn (70	knots).	Inree	garage	s were r	neavily damaged and 20-30 trees
City of Portsmouth	00	1.C10TCT							
Cradock	09 09	1610EST- 1625EST			0	0	3	0	Thunderstorm Winds
	Tree	s and power	lines dow	ned at Cra	dock a	nd seve	ral oth	er parts	of the city.
Essex County	09	1705EST			0	0	0	0	Thunderstorm Winds
	Tree	s downed in	the extren	ne souther	n part	of the c	ounty.		
Buckingham County		440000000						•	
1NE Centenary	11	1430EST	24		0	0	3	0	Thunderstorm Winds
D	274	s and power	lines were	blown do	-	۵			m 1 , 117 1
Rappahannock County	11	1425EST			0	0	3	0	Thunderstorm Winds
Fauquier County Loudoun County	11 11	1425EST 1450EST			0	0	3	0	Thunderstorm Winds Thunderstorm Winds (G52)
	law-		agencies.	A spotter	in Lo	vettsville	e estin		nties according to spotters and nd gusts to 60 mph (52 knots).
Loudoun County Leesburg	11	1520EST			0	0	0	0	Thunderstorm Winds
	Thu	nderstorm wir	ds knock	ed down t	rees in	Leesbu	rg.		
Fauquier County Prince William	11	1530EST			0	0	0	0	Thunderstorm Winds
County	11	1530EST			0	0	0	0	Thunderstorm Winds
Fairfax County Arlington County	11 11	1530EST 1545EST		4	0	0	0	0	Thunderstorm Winds Thunderstorm Winds
	Pow Fauc	er company o Juier County,	fficials ar south- ea	nd EOC C stern Prin	enter i	eported liam Co	down	ed trees and sout	at several locations in southern hern Fairfax County.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	D	stimated Jamage erty Crops	August 199
VIRGINIA Cont'd									
City of Alexandria	11 Ligh	1600EST	an office	building.	0 tearing	0 bricks	5 and	0 metal lo	Lightning over \$40,00
Nelson County	dam	age to office of 1700EST	computers	and elect	ronic a	larm sy 0	stems.	. No fire	e was reported. Thunderstorm Winds
e en	Stro	ng thundersto	rm winds ops, bruis	blew dow	n trees	in app	le orc kins.	hards. H	ail of unspecified size severel
Caroline County Alps	11	1800EST			0	0	5	0	Lightning
Chesterfield County	A h	ouse was destr	royed by a	lightning	g-causeo	d fire.			
4S Midlothian	11 Tree	1800EST	down in	the Brand	0 ermill a	0 area (49	4 S Mid	0 lothian).	Thunderstorm Winds A large tree fell onto a house
	dam	aging the roof	and othe	r parts of	the hou	ise.	11114	iounui).	Triango troo fon onto a nous.
Shenandoah County Quicksburg	12	1600EST			0	0	4	0	Thunderstorm Winds
	Tree	es were downe	ed; one fel	l onto a h	ouse ar	nd a car	nper,	damagin	g them.
Dickenson County Clintwood	13 13	0500EST- 1000EST			0	0	4	0	Flood/Flash Flood
	Wid	espread floodi	ng in Clir	ntwood res	sulted in	n gener	ally n	ninor dan	nage.
City of Newport News Fort Eustis	13	1600EST			0	0	4	0	Thunderstorm Winds
	A th	understorm de Eustis Milita	ownburst ry Reserva	shattered ation.	more th	nan 50	car wi	indows a	nd damaged outbuildings at th
City of Virginia Beach 5E Munden	15	0750EST	0.3	25	0	0	0	0	Tornado (F0)
	Virg to b	d before it got inia side, the	to the standard tornado to	ite line; b ip of the i aveled in	ut City sland (5 a NNE	Police E Mun direction	report den), on. C	ted the st in a woo Only the	Carolina portion of Knotts Islan form touched back down on the ded area. No damage occurre VA portion of the tornado trac mation.
City of Virginia Beach 3ENE Munden	15	0800EST			0	0	0	0	Funnel cloud
	Publ of B	ic reports of a ack Bay (3EN	funnel c E Munde	loud reced	ling int	o its pa	rent t	hunderst	orm cloud over the SW portio
City of Norfolk City of Hampton City of Suffolk City of Portsmouth									ē
Churchland	16 16	0700EST- 1100EST			0	0	5	0	Flood/Flash Flood
	poor 5 to	-drainage area 8 feet of wa	s. Portsn	nouth police nulated, i	ce evaci nundati	uated paing hon	arts of nes ar	the Church	d flooding of low places an rchland section of the city whe nents and rendering roadway d near a retirement home.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons Injured	Da	imated image ty Crops	August 1992 Character of Storm
VIRGINIA Cont'd									
Rockingham County									
City of Harrisonburg	26 26	1900EST- 2100EST			0	0	0	0	Flash Flood
	Over	3 inches of rage at Shenande	in in an l oah Airp	hour cause ort shut do	d stree	t floodin e airport	g in th	e county	and in Harrisonburg. A power
Rappahannock County	28	1215EST			0	0	0	0	Thunderstorm Winds
	Tree level	s were blown , along United	down in d States I	the mour Route 211.	ntainou	s wester	n part	of the	county, at about the 1,500-foot
Loudoun County Wheatland	28	1443EST			0	0	0	0	Thunderstorm Winds (G52)
	Ham	radio spotter	s reporte	d 50-60 m	ph wir	ds (52 k	cnots).		
Culpeper County Culpeper	28	1454EST			0	0	0	0	Hail (0.75)
City of Hampton Langley Air Force B City of Portsmouth	ase								
Cradock	28	1530EST			0	0	0	0	Thunderstorm Winds (G52)
	Stroi	ng winds blew on of Portsmo	trees do	wn in Han rded 60-m	pton n	ear Lang ds (52 k	gley A mots).	ir Force	Base. A spotter in the Cradock
City of Portsmouth									
Churchland	28	1543EST			0	0	0	0	Thunderstorm Winds
City of Norfolk S Island Bay	Man	y trees and la	rge limbs	were blo	wn do	wn.			
Bridge Tunnel	28	1548EST			0	0	0	0	Thunderstorm Winds (G55)
	A T mph	V meteorologi (55 knots) we	st reportere record	ed winds of	over 58 South	B mph (5 Island o	50 kno f the E	ts) in do Bay Brid	wintown Norfolk. Winds of 63 ge Tunnel.
York County Yorktown	28	1550EST			0	0	0	. 0	Thunderstorm Winds
	Spot	ters reported t	rees dow	med.					
City of Newport News Norfolk International Airport	28	1552EST			0	0	0	0	Thunderstorm Winds (G52)
City of Portsmouth	28	1603EST	ř.		0	0	3	0	Thunderstorm Winds
1 or ismouth		s were blown	doum ac	ross nowe					Thunderstorm Winds
Northampton County	Tree	s were blown	down ac	ross powe	rimes	m scatte	ereu ar	eas.	
Cheriton	28	1614EST			0	0	0	0	Thunderstorm Winds
NAME OF ADDRESS OF TAXABLE AND ADDRESS OF	Eme	rgency dispato	cher repo	rted trees	blown	down.			
WASHINGTON	1200								
Eastern Washington WAZ009	21	1400PDT- 1800PDT			1	2	4	0	Dust Storm

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons I Injured	Es D Prope	stimated Damage erty Crops	August :	1992
WASHINGTON O	'ont'	d						*		
WILDING TON C				ditions and	m o mt la	. winda b	lowin		unh combined to course blo	
	dust	which reduce	d visibili	ties to near	zero	at times	. At	1650 PD	nph combined to cause blo T, a two-car collision occu ant and one was killed. (M	urred
WEST VIRGINIA		io ino roducod	VISIOIII	ics. Two h	ion we	no mjure	ч ш .	no acorde	in and one was knied. (W	,,,
WVZ002-003- 004-005 Western	02	0600EST		À	0	0	0	0	Record Cold	
Lowlands	Suni	rise temperatur	res were	in the lowe	er 50s.	. The m	ounta	ins had r	eadings in the 40s.	
Berkeley County Martinsburg	03	2125EST			0	0	3	0	Thunderstorm Winds	
	Tree	s and power l	ines were	blown do	wn.					
Hancock County New Cumberland	11	0115EST			0	0	0	0	Thunderstorm Winds	
	Seve	ral trees were	uproote	d and large	limbs	broken.				
Ohio County Wheeling	11	0700EST			0	0	3	0	Lightning	
	Ligh roof.	tning struck a	Methodi	st church to	ower.	Large c		s of stone	e were dislodged, damaging	g the
Monongalia County Morgantown	11	1235EST			Δ		0	0	Thursdaystown Winds	
Morgantown	11	1240EST			0	0 1	0	0	Thunderstorm Winds Lightning	
	Seve	ral trees were	blown d	own. A 4	2- yea	ar-old wo	oman	was stru	ck by lightning.	
Preston County 2 E Reedsville Reedsville	11 11	1245EST 1245EST			0	0	0	0	Thunderstorm Winds Lightning	
110045 1110			round th	e communi			13460	•	g struck a woman in Reedsy	ville
Tyler County					., 0	imios or	JOK.		S SELLON & WOLLMIN IN TROOMS	, IIIO.
Middlebourne	11	1300EST			0	0	4	0	Lightning	
= == =	Ligh	tning hit the c	ourthous	e, damagin	g pho	ne and co	ommı	ınication	equipment.	
Jefferson County 1 SW Harpers	11	1415EST			0	0	0	0	Hail (0.75)	
Ferry Shepherdstown Preston County	11	1415EST			0	0	0	0	Hail (0.75)	
Newburg to Gladesville	11	1415EST- 1515EST			0	0	3	0	Flash Flood	
	Thre		flooded	. One vehi					garage damaged.	
Jefferson County							-6		B	
Shepherdstown Upshur County	11	1500EST			0	0	0	0	Hail (0.75)	
Rock Cave Webster County	11	1545EST			0	0	0	0	Hail (0.75)	ě
4 N Webster Springs	11	1640EST			0	0	2	0 .	Thunderstorm Winds	
	Sever	ral trees were lides, and sev	down alo eral bloc	ng Grassy ked roads.	Creek	. Rainfa	ll of	2.50 inch	es in 1 to 2 hours caused a	few
Nicholas County 2 SE Craigsville	11	1700EST			0	0	3	0	Lightning	
.=,	Sever	n cows and eig	ght calve	s were kille	ed.					

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of rsons Injured	D	timated amage rty Crops	Character of		igust 1992
WEST VIRGINIA	Con	nt'd									
Boone County Foster Rock Creek Danville Madison	11	1745EST- 2000EST			0	0	5	0	Flash Flo	ood	
Uneeda	Mad Rive One comm Mad was	oudburst from ison measured or flooded, inc bridge near F mon. One laison had 6 feestanding in myrose out of the	1 3.60 in luding R loster wa andslide et of wate y house a	ches of rain ock Creek a s destroyed at Madison er in its bas and the water	from nd Por Floo push ement	1700 to nd Fork oded ba ed a m . One	o 1815l c. Num sement sobile l woman	EST. Sinerous sets, lands	mall tributate econdary rostlides, and left its found wed just out	ries of the ads were voroken gas ation. Or side Madis	Little Coal vashed out. lines were le diner in on said, "I
Fayette County Fayeteteville	14	2100EST-									
	15 Page	0100EST	anded on	d one famil	0	0	3 stad I	0 andalida	Flash Fl		in wainitu
Boone County	Dasc	ments were fl	ooded at	id one famili	iy was	evacua	iled. L	anusnu	es were arso	common	m vicinity.
Southwest Portion	15	1530EST- 2230EST			0	0	4	0	Flash Fl	ood	
	repo	etitive shower rted 2.50 inch uated from al rted around S	es of rai	n in 50 min ies Creek r	utes. iear B	Roads	and bri	dges we	re damaged	. Two far	nilies were
Kanawha County Eastern Portion	15	1630EST- 1800EST			0	0	3	0	Flash Fl	ood	
	Jorda	Left Fork of an Creek near atched in both	r Falling	eek surrour Rock had	ided h a few	omes a resider	round l its trap	Mammo ped in t	th. heir homes	. Rescue	units were
Fayette County Jodie	15	1900EST- 2100EST			0	0	6	0	Flash Fl	ood	
	25 he included lost.	Creek floode omes had min ided two truck Three privat s, estimated a	or damag s, a car, e vehicu	ge. Route 6 and camped lar bridges	0/3 wa	as heav	ilv dam	aged.in	cluding brid	lges. Priv	ate damage
Nicholas County Southwest Portion	15	1930EST- 2200EST			0	0	4	0	Flash Fl	ood	
		y county road			floodi	ng stre	ams. N	Mainly i	n the Swiss	and Drem	nen region.
WVZALL	28	0500EST 1400EST			0	0	0	0	Rain		
	Blue	low pressure field to Mart ficial rains. e urban and p	insburg. The heav	It combinates rain was	ied wi	th a co	old from	nt from owlands	the northy	vest to car	ise mainly
Berkeley County 5 N Martinsburg	28	1530EST			0	0	0	0	Thunder	storm Wi	nds

Trees were blown down.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		umber of ersons d Injured	D	timated amage rty Crops	August 1992 Character of Storm
WISCONSIN									
Trempealeau County									
Whitehall	01	1650CST			0	0	?	?	Hail (1.00)
Whitehall Jackson County	01	1650CST			-		454		Thunderstorm Winds
Black River Falls Adams County	01	1700CST			0	0	?	?	Thunderstorm Winds
8 E New Rome Monroe County	01	1750CST			0	0	?	?	Hail (1.00)
Tomah 5 E Tomah Waushara County	01 01	1810CST 1815CST			0	0	?	?	Hail (1.00) Hail (1.50)
Plainfield	01	1825CST			0	0	?	?	Hail (1.00)
Saxeville West Bloomfield	01 01	1830CST 1840CST			0	0	?	?	Hail (1.50) Thunderstorm Winds
Clark County Shortville Juneau County	01	1845CST			0	0	4	0	Thunderstorm Winds
Camp Douglas	01	1850CST			0	0	?	?	Hail (1.00)
2 S Finley Winnebago County	01	2010CST			0	0	?	?	Hail (1.00)
2 W Appleton	01	1857CST			0	0	?	?	Hail (1.75)
5 N Neenah Neenah	01 01	1900CST 1903CST			0	0	?	?	Thunderstorm Winds Thunderstorm Winds
Outagamie County Appleton	01	1906CST		2	0	0	2	9	Hail (1.00)
Darby	01	1911CST		- V	0	0	?	?	Hail (1.00)
Kaukauna Calumet County	01	1915CST			0	0	?	?	Hail (1.00)
Chilton	01	1945CST			0	0	?	?	Thunderstorm Winds
Jackson County	Wisc	consin. A fe	w thunde thunder	rstorms pro storm wind	oduced dover	d strong turned a	winds	which in the second sec	ze across the southern half of knocked down trees and power home near Shortville in Clark bago County.
Jackson County York Kewaunee County	03	1500CST			0	0	?	?	Hail (1.00)
Dykesville Door County	03	1559CST			0	0	0	0	Funnel Clouds
Brussels	03	1602CST			0	0	0	0	Funnel Clouds
S. C.	A se sight	vere thunders ted over parts	torm drop of north	oped hail u eastern Wis	p to 1 sconsi	.00 inch n.	in dia	meter ne	ar York. Cold air funnels were
Sawyer County 8 NW Hayward to 5 N Hayward	09	1925CST	4.0	100	0	0	?	?	Tornado (F1)
3 WNW Hayward Hayward Rusk County	09 09	1930CST 1932CST	0.5	35	0	0	? 0	? 0	Tornado (F1) Funnel Cloud
Tony	09	2130CST			0	0	?	?	Thunderstorm Winds
Oneida County Lake Tomahawk	09	2140CST	•		0	0	?	?	Thunderstorm Winds
Florence County Florence Forest County	10	0000CST			0	0	?	?	Thunderstorm Winds
Crandon	10	0000CST		Š	0	0	?	?	Thunderstorm Winds
Wabeno Monroe County	10	0020CST			0	0	?	?	Thunderstorm Winds
Cashton	10	0430CST			0	0	?	?	Thunderstorm Winds
	Seve wind	ral severe thus s that knocke	nderstorn d down n	ns rumbled nany trees a	throug and po	gh northw ower line	esterns. A	and wes	stern Wisconsin producing gusty mall tornadoes touched down in

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of rsons Injured	D	timated amage rty Crops	Character of Storm	August 1992
WISCONSIN Con	t'd									
	the 7	Totogatic Flow	vage to jus	t north of	Nelso	n Lake.	The s	second to	cipped along a 4-rornado touched do to trees and power	wn briefly just
Lincoln County 5 W Merrill Barron County	11	1655CST			0	0	0	0	Funnel Cloud	
Cameron	11	1800CST			0	0	5	?	Thunderstorm	Winds
	Inter Cam	nse winds from neron in Barro	n a severe n County.	A cold	storm l air fun	olew the	e roof detect	off a ba ted near	rn and tipped ov Merrill.	er a shed near
Dane County Oregon	12	1355CST			0	0	0	0	Funnel Cloud	
Or Cguii		old air funnel	developed	over the		•	•	Ů	Tumer Ciouu	
Brown County			шо голорон		01080					
Green Bay Kewaunee County	13	0754CST			0	0	0	0	Funnel Cloud	
1 E Kewaunee	13	0800CST			0	0	0	0	Waterspout	
Fond du Lac County Fond du Lac	13	1055CST			0	0	0	0	Funnel Cloud	
		l air funnels w aunee.	ere report	ed over ea	stern \	Wiscons	sin. A	waterspo	out developed just	off shore near
Kenosha County		0 2 0 0 CC								
1 E Kenosha Racine County	14	0530CST			0	0	0	0	Waterspout	
10 E Racine Milwaukee County	14	0545CST			0	0	0	0	Waterspout	
2 E Milwaukee Ozaukee County	14	0705CST			0	0	0	0	Waterspout	
1 E Port Washington	14	0800CST			0	0	0	0	Waterspout	
washington	Seve	eral waterspou	ts formed	just off s	hore in	southe	astern	Wiscons	sin over Lake Mi	chigan.
Sauk County Baraboo Lake Delton 4 NW Reedsburg	25 25 25	1315CST 1320CST 1455CST			0 0	0 0	?	?	Thunderstorm Thunderstorm Thunderstorm	Winds (G56)
Crawford County Prairie du Chien	25	1340CST			0	0	4	?	Thunderstorm	Winds (G52)
Mt. Sterling Kenosha County	25	1350CST			0	0	4	?	Thunderstorm	Winds
Paddock Lake Richland County	25	1340CST			0	0	?	?	Thunderstorm	Winds
Basswood	25	1427CST			0	0	?	?	Thunderstorm	Winds
Lafayette County 5 NE Belmont	25	1510CST			0	0	4	?	Thunderstorm	Winds
Marquette County 5 NW Westfield	25	1536CST			0	0	?	?	Thunderstorm	Winds
Waushara County Wautoma	25	1607CST			0	0	?	?	Thunderstorm	Winds (G52)
Green Lake County Green Lake	25	1610CST			0	0	?	?	Thunderstorm	Winds (G52)
Fond du Lac County Ripon	25	1610CST			0	0	?	?	Thunderstorm	731 (5)
1 É Rosendale Waupaca County	25	1630CST			ŏ	ŏ	?	?	Thunderstorm	
Ogdensburg Clintonville	25 25	1630CST 1640CST			0	0	4	?	Thunderstorm Thunderstorm	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of sons Injured	D	imated amage rty Crops	August 1992 Character of Storm
WISCONSIN Con	t'd								
Winnebago County Oshkosh Neenah	25 25	1630CST 1640CST			0	0	4	?	Thunderstorm Winds (G52) Thunderstorm Winds
	Wise	tered severe consin. Roofs nty) and Oshk	were da	maged by	intense v	rees and winds gr	d pow usting	er lines to 60 mp	across southern and eastern h in Prairie du Chien (Crawford
Pierce County 4 W Ellsworth	27	1320CST			0	0	0	0 -	Funnel Cloud
	A co	old air funnel	was sigh	ted near E	Ellsworth	1.			
Washburn County									
Shell Lake Chippewa County	29	1513CST			0	0	?	?	Hail (1.00)
8 E Chippewa Falls Holcombe	29 29	1623CST 1630CST	ā		0	0	0	0	Hail (0.75) Hail (0.88)
Buffalo County Mondovi	29	1630CST			0	0	?	?	Hail (0.75)
Eau Claire County Altoona	29	1705CST			0	0	0	0	Hail (0.75)
Eau Claire	29	1710CST			Ŏ	Ŏ	?	Ŏ	Thunderstorm Winds
Trempealeau County Osseo	29	1705CST			0	0	?	?	Hail (1.00)
Jackson County Hixton Juneau County	29	1715CST			0	0	?	?	Hail (1.75)
Mather	29	1810CST			0	0.	?	?	Hail (0.75)
Camp Douglas Camp Douglas Adams County	29 29	1815CST 1815CST	*		0	ŏ	?	?	Thunderstorm Winds Hail (1.00)
10 NW Adams 3.5E Big Flats	29 29	1839CST 1900CST	5.0	100	0	0	?	?	Thunderstorm Winds (G52) Tornado (F1)
Waushara County 2 N Coloma Wautoma	29	1910CST- 1955CST	28.0	800	1	30	7	5	Tornado (F3)
1 N Redgranite 3 SE Poy Sippi		1755001	20.0	000)* * >	30		3	Tornado (F3)
	up to Coun kille to no when lot. in da to pu toget Also empl	o golf ball-size nty) and skipp r tornado trave orth of Redgra re a woman w In addition, 3 amage which i ublic property ther 48 homes of 28 business	e and gen ed along eled alon inite to so as killed to people ncluded to, \$400,0 to were de tes were p worke	a 5-mile page a 28-mile page a 28-mile outheast of when here were injustration with the stroyed, and amaged	inds to 6 path toppe path in f Poy Si mobile ured, sev on dama ber loss 95 susta as wel	0 mph. pling tree Waush ppi. The home veral cri ge to re es to tre ined ma l as a	A tor ees and ara con he hard vas hu itically sidence ees an ijor da Senior	rnado set I downin bunty from dest hit a rled seve v. The to ses and b d \$215,0 mage an Center	ntral Wisconsin depositing hail down east of Big Flats (Adams g a 24- by 30-foot building. A m north of Coloma to Wautoma rea was just south of Wautoma real hundred feet into a parking ornado caused over \$10 million usinesses, \$1.8 million damage 200 in agricultural losses. All d 289 received minor damage, and industrial building which 50 acres were toppled by the
WYOMING				e ·					
Sweetwater County Rock Springs	03	1310MST			0	0	0	0	Thunderstorm Winds (G50)
xtock optings			night on	etv winde	4)TE				Rock Springs.
Albany County	,	and the ore	Jugnt gui	ory willus	** I II II II II I	io repor	ua ua	mage to	Nook opinigs.
Laramie Laramie	03	1031MST			0	0	0	0	Thunderstorm Winds (G50)

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		nber of rsons Injured	Da	mated mage ty Crops	August 1992 Character of Storm
WYOMING Cont	'd								
	Littl	e or no dama	ge occurr	ed from th	nunders	torms d	uring t	he after	rnoon in Laramie.
Carbon County 30 W Rawlins	03	1809MST			0	0	0	0	Funnel Cloud
Teton County	1 WO	rumer croud	is were re	ported by	a phot	west of	Kawii	ns durn	ng the early evening.
Jackson	21 A th	1505MST	rought gu	ıstv winds	0 to the	0 Jackson	0 Airno	0 rt. The	Thunderstorm Winds (G51) are were no reports of damage.
Laramie County 16 NE Pine	31	1608MST	Tought gu	isty winds	0	0	0	0	Hail (0.75)
Bluffs	A +1-	um donatomus h	wassaht ha	:1 to outur		om I om			ata in the afferman
AT ACIZA Nowtho		understorm o	rought na	ii to extre	me eas	em Lai	ame c	ounty 1	ate in the afternoon.
ALASKA, Northe									
AT ACYZA C41-		e reported.	•			* 1			
ALASKA, Southe		0.000 1.75				•			A
Bristol Bay	02	0600ADT			0	. 0	0	. 0	Record Low Temperature
g ay "a"	of 40	ty-eight degre 0 degrees set	in 1956.	ecorded at	King	Salmon.	This	temper	ature broke the old daily record
Cook Inlet Prince William									
Sound	18	1700ADT			0	0	0	0	Volcanic Eruption
	inch of the indic	of ash fell o ne Kenai Per	ver Ancho ninsula int ne extend	orage duri to Prince ling over	ng the Willian Prince	evening n Sound William	. The	ash plu	d. Anywhere from 0.125 to 0.25 time crossed the northern portion night. By 0500 ADT satellites long the north gulf coast east to
ALASKA, Southe	aster	n		8					
*	Non	e reported.						191	
HAWAII	(#								
\$	Non	e reported.							
PACIFIC									
	28	1600GST			1	132	8	?	Typhoon Omar
	after local 75 to man the s total	noon hours of the in excess of 90 percent found in the storm related	n August of 10 incl of the isla rubble of injuries w	28th accor hes. Seve and's build his home vere treate	npanied fre prop lings re in the d at Gu	l by win erty dan cieved r norther am Me	nds that mage e major d n town morial	gusted stimate lamage. of Tar Hospit	ward across the island during the as high as 150 mph and rainfalls d near \$300 million occurred as The only death reported was a muning. About 132 people with al. About 5,000 people out of a helters. Damage to crops was
PUERTO RICO									
Mayaguez	04	1500AST			0	0	3	0	Urban Flooding
uguez	Thur	nderstorms w	les in Bar	rio Mirad	ound 2. ero, flo	00 inche	es fell i	n the m	nunicipality of Mayaguez. There a tree was knocked down over a damages to the roof structure.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		mber of rsons Injured	D	timated amage rty Crops	August 1992 Character of Storm
PUERTO RICO (Cont'	d							
PRZ005	05	1600AST			0	0	3	0	Flash Flood
	One erod	creek overflo ed a contention	wed near	r Bo. Bori ong the Stat	nquen e Road	, Cagua I. Other	s. An	nother cr ents were	ne interior portion of the island. reek that overflowed in Utuado e minor landslides in Las Marias nizations in Caguas.
Aguada	06	1500AST			0	0	3	3	Flash Flood Hail (0.75)
	went adjac Sur i	out of their lent streets. D	panks. To ue to stro passable.	There were ong winds, Dime-siz	down three e hail	ed trees residenc	and p es lost	ower lin	Rio Culebrinas and Rio Ingenio les along Road No. 2 and other ac roofs. Flooding along Desvio amage to plantain crops. Minor
PRZ001	09	1500AST		*	0	0	2	0	Flash Flood
	had was	to be evacuate	d. Rio (Canas also	went	out of it	ts banl	ks affecti	ing one residence and the family ing Sector Torres. Road No. 1 minor landslides in Rio Piedras
San Juan	14	1400AST			0	0	2	0	Flash Flood
	A sw there drain	were no injur	Cupey Ries. Loca	Rio Piedras al flooding	near l was a	Road 84 Iso repor	4 swep	ot a car a Ocean F	gainst a road wall. Fortunately ark and Bo. Obrero due to poor
U.S. VIRGIN ISL	AND	S							
St. Thomas	03	1330AST			0	0	0	0	Waterspout
	A pil	ot reported a	wasterspe	out six mil	es wes	st of St.	Thon	as airpo	rt.
St. Thomas	15	1140AST			0	0	0	0	Waterspout
	A sm	all craft sight	ed a wate	erspout abo	ut nin	e miles	north	west of S	St. Thomas airport.
St. Thomas	22	1105AST			0	0	0	0	Waterspout
	A wa	iterspout was	sighted h	v an aircra	ft hets	veen St	Thor	nas and	Culehra

A waterspout was sighted by an aircraft between St. Thomas and Culebra.

STORM DAMAGE CATAGORIES REFERENCE NOTES

	Less than \$50	0/Blank	None reported.
	\$50 to \$500	*	Miles instead of yards.
3	\$500 to \$5,000	**	Yards instead of miles.
4	\$5,000 to \$50,000	0	Includes heavy sleet storm.
5	\$50,000 to \$500,000	#	Freezing drizzle and freezing
6	\$500,000 to \$5 Million		rain, commonly known as glaze.
7	\$5 Million to \$50 Million	#	Report incomplete.
8	\$50 Million to \$500 Million	<i>‡‡</i>	Report not received.
9	\$500 Million to \$5 Billion	o/c	Indicates Crop Damage amount is included in the value given 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)

(FO) Gale tornado (40-72 mph): Light damage Some damage to chimneys; break branches off trees; push over shallow-rooted trees; damage sign boards.

(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 off 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 off 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 foundation blown off some distance; cars thrown and large missiles generated.

(F5) Incredible tornado (261-318 mph): Incredible damage
Strong frame houses lifted off foundations and carried considerable distance to disintegrate; automobile-sized missiles fly through the air in excess of 100 m; 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.

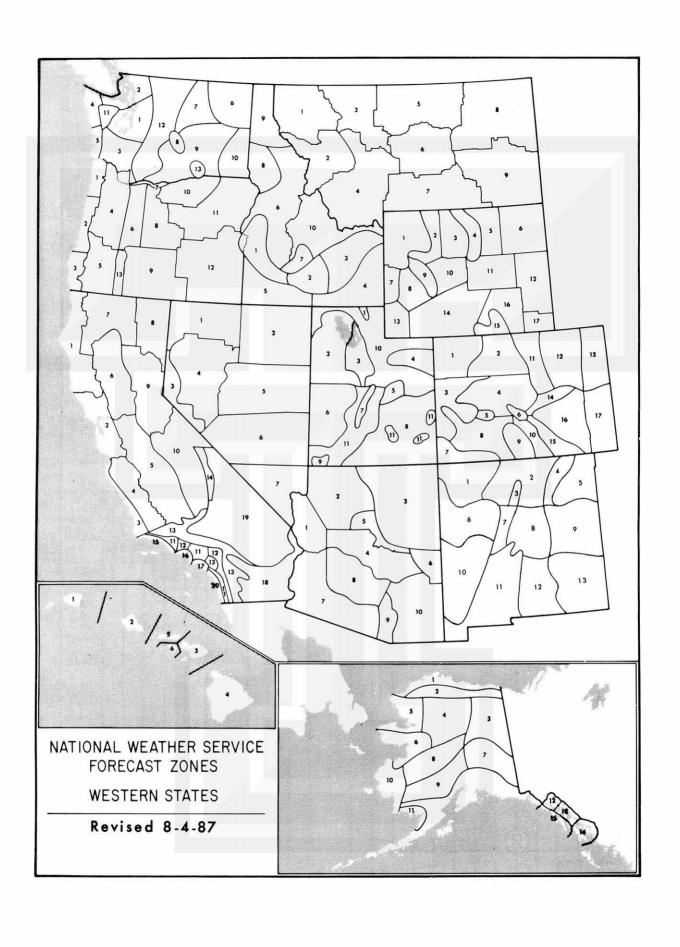
(F0+F1) Weak Tornado (F2+F3) Strong Tornado (F4+F5) Violent Tornado

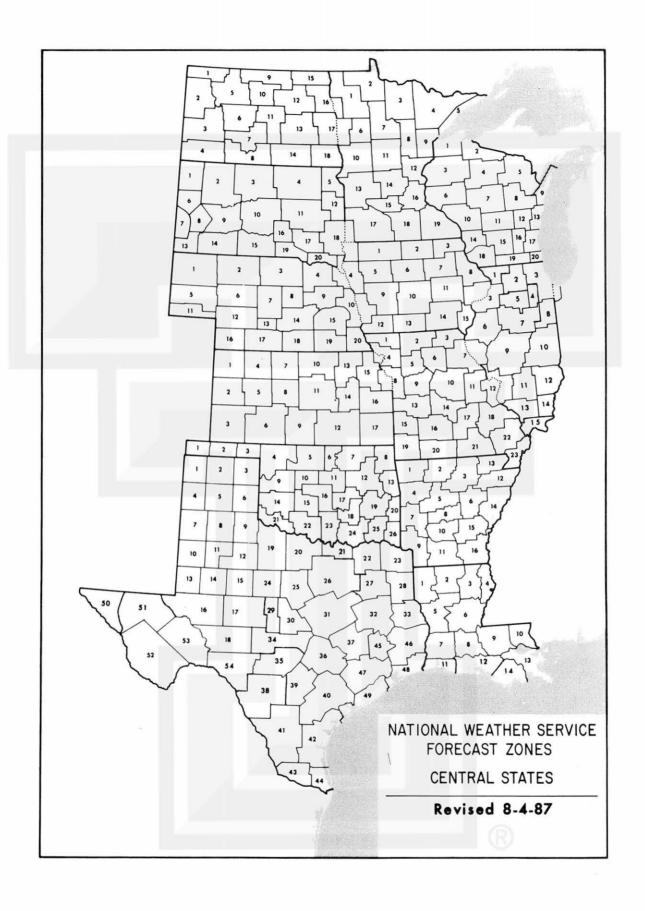
From J. Atmos. Sci., August 1981, p. 1517-1519

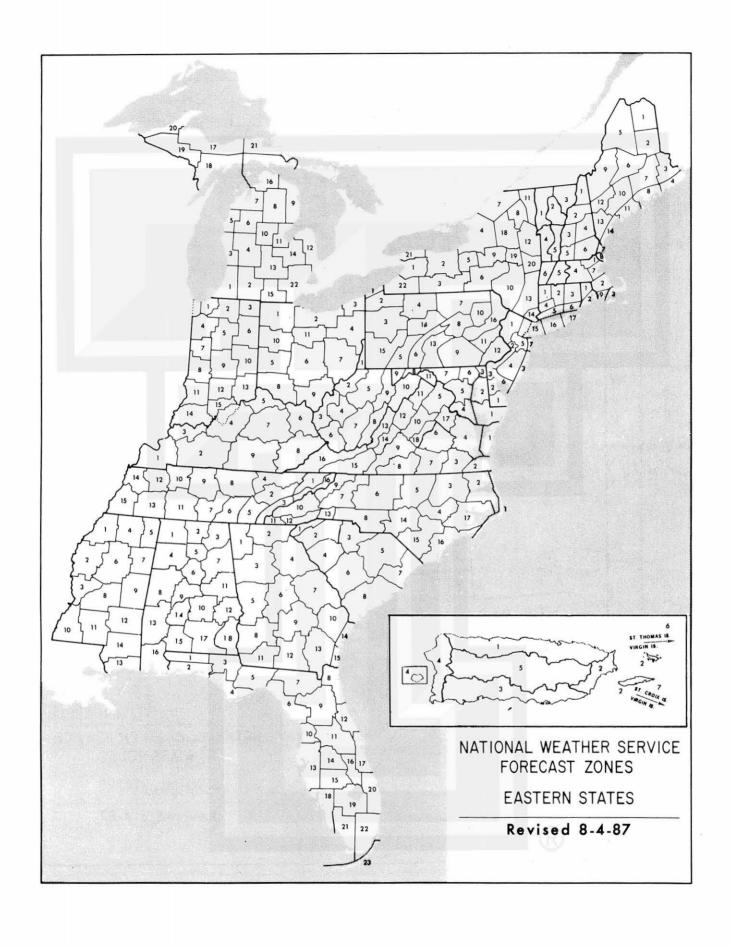


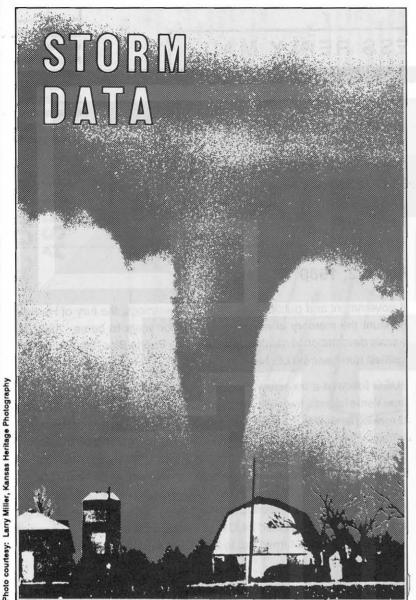
TYPE	ALABAMA	ARIZONA	ARKANNAN	CALIFORNIA	COLORADO	CONNECTICOL	DELAWARE	FLORIDA	GEORGIA	IDAHO	ILLINOIS	INDIANA	IONA	KANSAS	XMDC-10CX	LOUISIANA	MAINE	MARYLAND & DC	**************************************	MICHIGAN	WINNER	MISSISSIPPI	MHOOORH	MONHANA	≥ HBR40×4	NEVADA	HAMPSHARE
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HIGH WINDS Deaths Injuries Property Damage Crop Damage	*		3					1000											0020			0050		0000			
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TYPE	AMOOME EME	SHE KIME CO	NAOK KIME	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKL€±OM4	OREGOZ	PHZZ07L74ZH4	RECOM HOLAZO	SOUTH CAROLINA	NOUTH DAKOTA	ппоопеста	TEXAS	UTAH	>ERMON-	VHRGHZHA	NANHE DE LOS	3800 >HRGHZH	ZHWZOJWHZ	3≻0±+zg	ALASKA	HADAH	₽ ∢ С⊣⊩⊣О	ODMAHO WHOO		NATIONAL DEATHS
TORNADOES	_	-	-	_	^	Ü	^	0	^	-	^	^	-	3	-	-	A	•	A	~	0	#	Q	·	0	0	3 3
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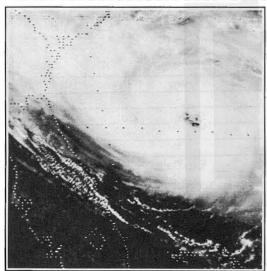
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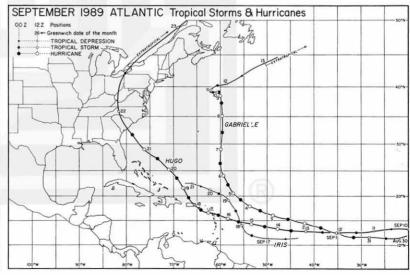
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HURRICANE HUGO, SEPTEMBER 10-22, 1989

Despite excellent warning lead times and excellent government and public response to the warnings, the fury of Hurricane Hugo took many by surprise and will undoubtedly haunt the memory of many Americans for years to come. Along with numerous deaths and injuries, HUGO brought large-scale devastation to much of the Carolinas, Puerto Rico, the Virgin Islands and other islands of the Caribbean, making it the costliest hurricane in U.S. history.

Over the course of slightly less than two weeks, HUGO followed a trajectory that was typical for an Atlantic Basin tropical system: originating near Africa in the vicinity of the Cape Verde Islands, traveling west across the tropical Atlantic to the Leeward Islands, turning northwest toward the U.S. coast until making landfall in the Carolinas, and once inland, turning northeast under the influence of the Westerlies and becoming extratropical while skirting the eastern U.S.-Canada border (see map below). The system originated from a cluster of thunderstorms that moved off the African coast on September 9th and organized into a tropical depression on the 10th just southeast of the Cape Verde Islands. The system moved west at 18 knots, attaining storm status on the 11th, and hurricane status on the 13th while located about 1100 nautical miles east of the Leeward Islands. HUGO gradually turned west-northwest and slowed in its translation as it headed for the Islands. While still several hundred miles east of the Islands on the 15th, the first reconnaissance aircraft reported HUGO as having a minimum central pressure of 918 mb and an estimated maximum surface wind of 140 knots. This turned out to be HUGO's maximum intensity.





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STORM DATA

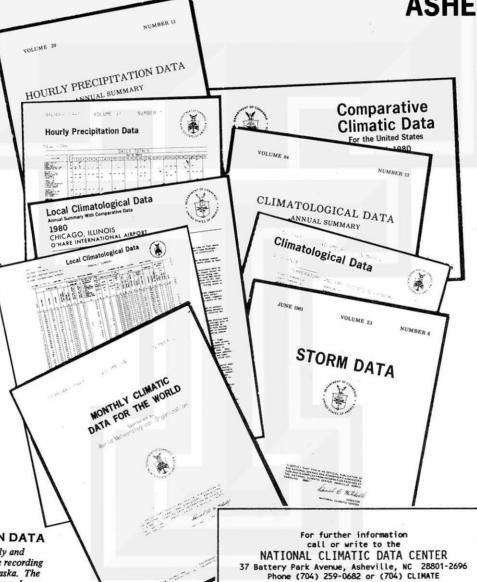
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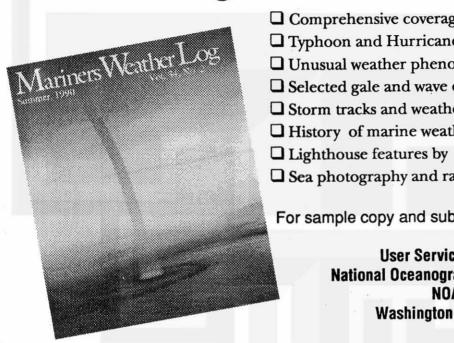
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