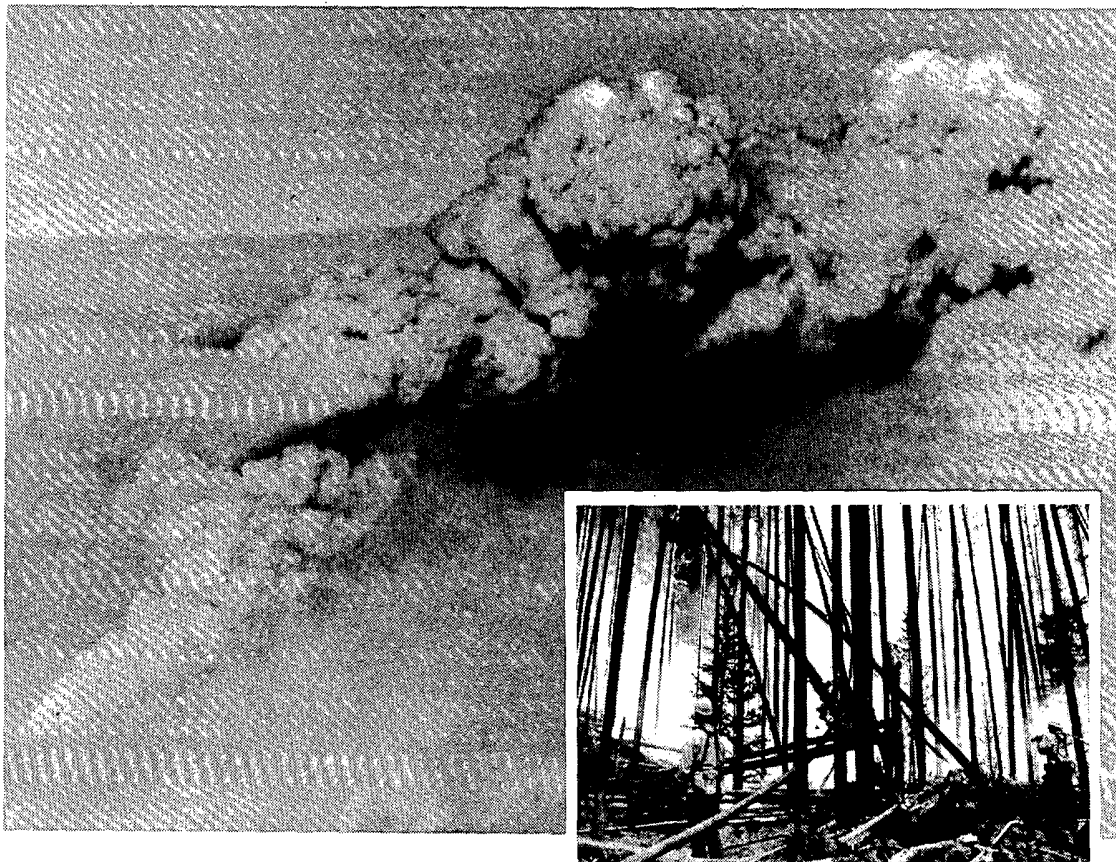


STORM DATA



"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

Kenneth D. Walden

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

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Marine Meteorology Program, Dr. Robert F. Abbey, Jr., Director.
Extensive data collection efforts are provided by the National Weather Service.

C O N T E N T S

Cover: Smoke ascends from a lightning-ignited fire in Yellowstone National Park, one of several sparked during July and August, 1988 as a drought plagued the area, as well as much of the rest of the nation. Inset: Firefighters monitor a backburn at West Yellowstone. (See FOREST FIRES in YELLOWSTONE N.P., pages 22 through 24.) ---Both photos by David M. Hansen, The Jackson Hole Guide, Jackson, Wyoming.

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STORM DATA (ISSN 0039-1972)

The section on Outstanding Storms of the Month is prepared by Professor T. Theodore Fujita, editor, and Duane J. Stiegler, associate editor, the University of Chicago, with funding by the U. S. Office of Naval Research. The Storm Data and Unusual Weather Phenomena narratives, and summaries of Hurricanes/Tropical Storms are prepared by the National Weather Service. The National Climatic Data Center compiles statistics on deaths, injuries, damage and prepares the annual summaries of tornadoes and Lightning. This publication contains our best information on storms, but due to the difficulties inherent in collection of this type of data it is not all-inclusive. Late reports and corrections will be carried quarterly. Maps of zones used in the Storm Data and Unusual Weather Phenomena will be published in all editions.

Storm Data is published monthly by the National Climatic Data Center.

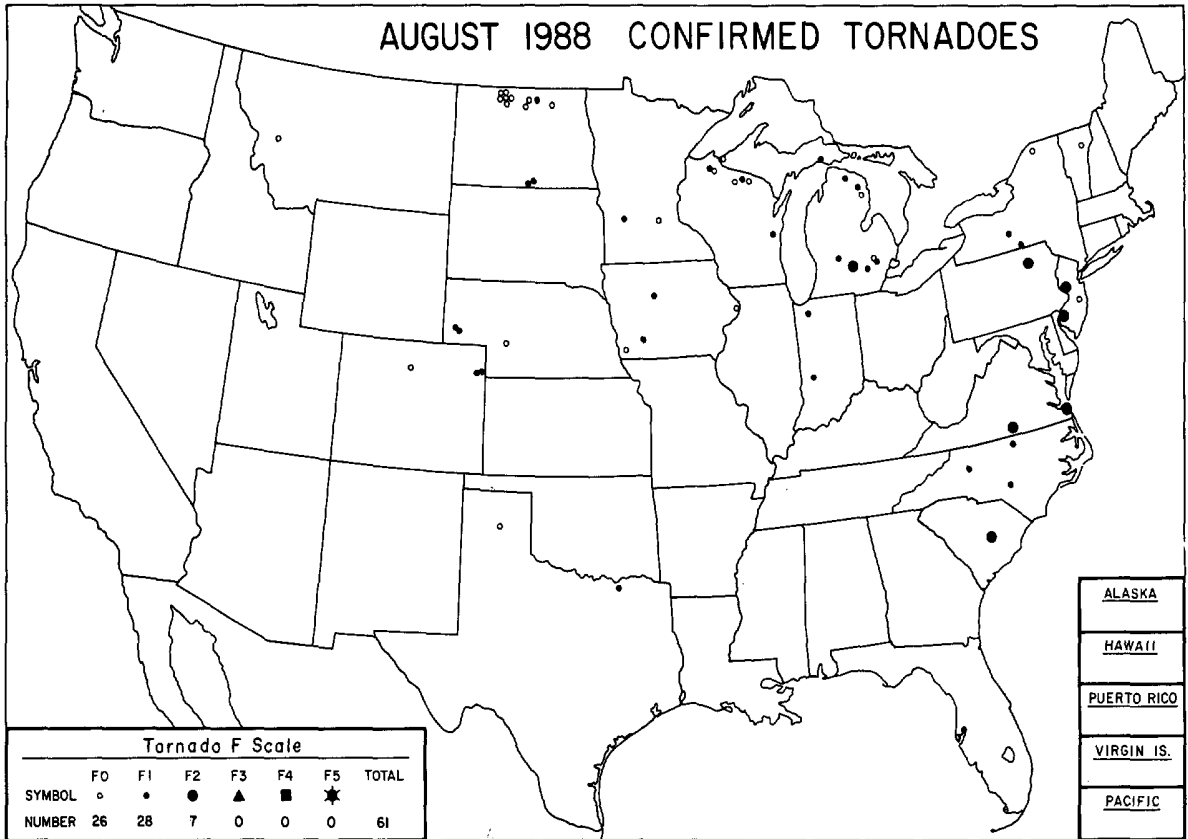
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| J. D. Ziemianski | S. C. Lackey |
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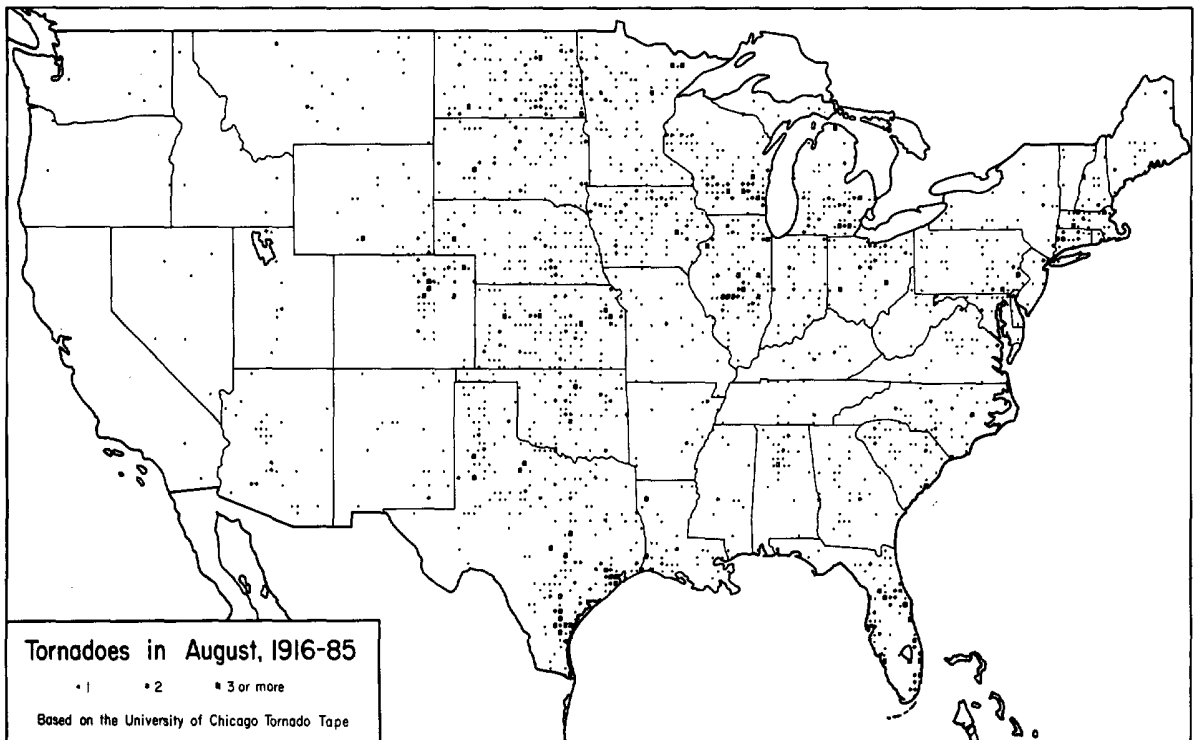
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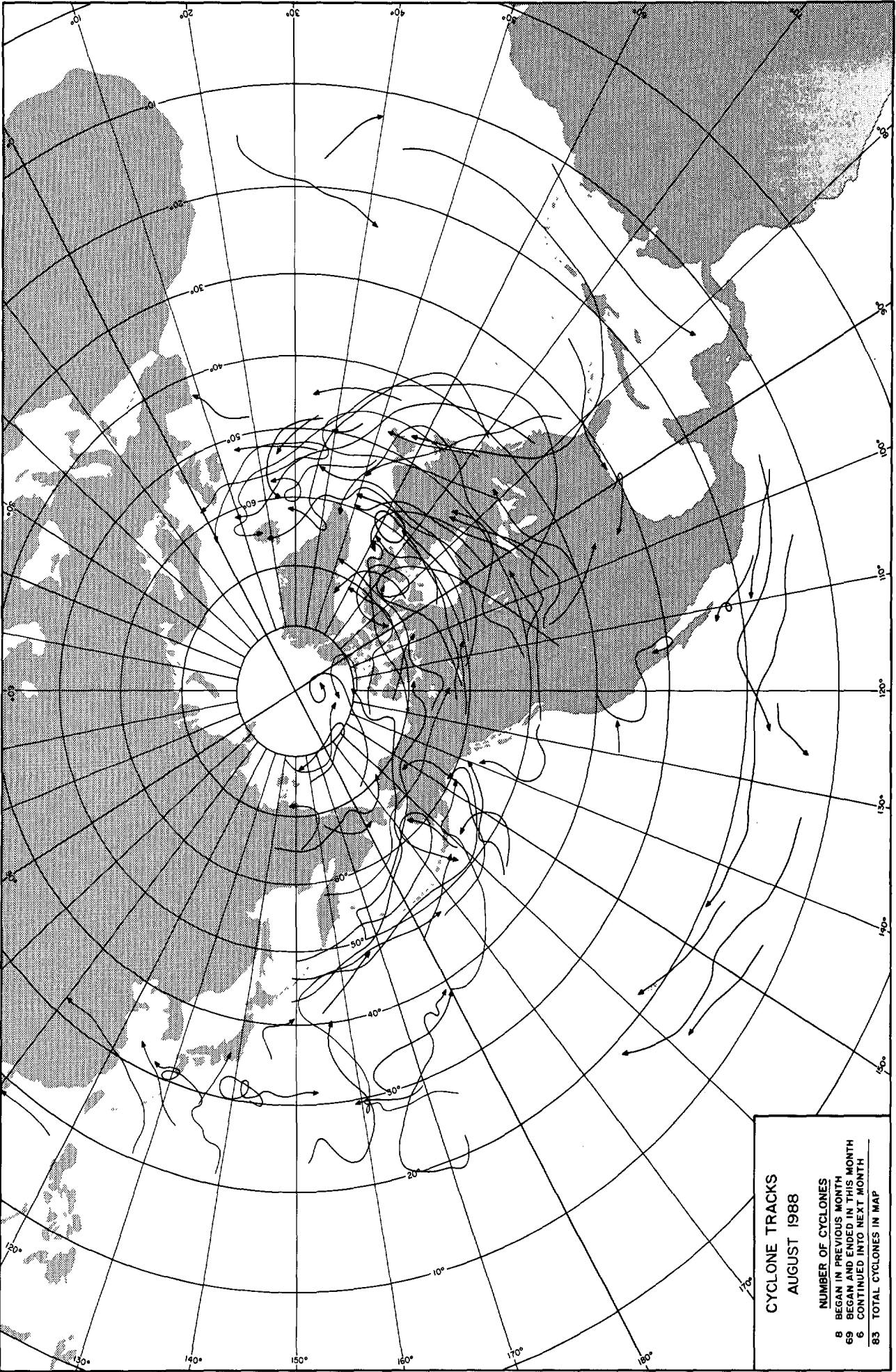
National Climatic Data Center
Federal Building
Asheville, NC 28801-2696

OUTSTANDING STORMS OF THE MONTH



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------|--------|-----------|-----------|-----------|-----------|------------|--------|------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|--------|-----------|--------|-----------|--------|--------|----------|--------|--------|--------|-----------|-----------|-----------|--------|--------|----------|--------|--------|--------|-----------|-----------|-----------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-----------|--|-------|--------|--------|--------|--------|--------|--------|-----------|--|
| <ul style="list-style-type: none"> ● COMPLETE REPORT RECEIVED ◐ PRELIMINARY REPORT RECEIVED ○ REPORT NOT RECEIVED <p>(N) northern (W) western (S) southern (C) central (E) eastern (O) coastal (SE) southeastern</p> | <table style="width: 100%; border-collapse: collapse;"> <tr> <td>● 1AL</td><td>● 7DE</td><td>● 14KS</td><td>● 21MN</td><td>● 28NJ</td><td>● 33OH</td><td>● 39SD</td><td>● 44VA</td><td>● 49AK(SE)</td> </tr> <tr> <td>● 2AZ</td><td>● 8FL</td><td>● 15KY</td><td>● 22MS</td><td>● 29NM</td><td>● 34OK</td><td>● 40TN</td><td>● 45WA</td><td>● 50HI</td> </tr> <tr> <td>● 3AR</td><td>● 9GA</td><td>● 16LA</td><td>● 23MO</td><td>● 30NY(O)</td><td>● 35OR</td><td>● 41TX(N)</td><td>● 46WV</td><td>● 51PR</td> </tr> <tr> <td>● 4CA(N)</td><td>● 10ID</td><td>● 17ME</td><td>● 24MT</td><td>● 30NY(C)</td><td>● 36PA(E)</td><td>● 41TX(S)</td><td>● 47WI</td><td>● 52VI</td> </tr> <tr> <td>● 4CA(S)</td><td>● 11IL</td><td>● 18MD</td><td>● 25NE</td><td>● 30NY(W)</td><td>● 36PA(W)</td><td>● 41TX(W)</td><td>● 48WY</td><td>● 53PC</td> </tr> <tr> <td>● 5CO</td><td>● 12IN</td><td>● 19MA</td><td>● 26NV</td><td>● 31NC</td><td>● 37RI</td><td>● 42UT</td><td>○ 49AK(N)</td><td></td> </tr> <tr> <td>● 6CT</td><td>● 13IA</td><td>● 20MI</td><td>● 27NH</td><td>● 32ND</td><td>● 38SC</td><td>● 43VT</td><td>● 49AK(S)</td><td></td> </tr> </table> | ● 1AL | ● 7DE | ● 14KS | ● 21MN | ● 28NJ | ● 33OH | ● 39SD | ● 44VA | ● 49AK(SE) | ● 2AZ | ● 8FL | ● 15KY | ● 22MS | ● 29NM | ● 34OK | ● 40TN | ● 45WA | ● 50HI | ● 3AR | ● 9GA | ● 16LA | ● 23MO | ● 30NY(O) | ● 35OR | ● 41TX(N) | ● 46WV | ● 51PR | ● 4CA(N) | ● 10ID | ● 17ME | ● 24MT | ● 30NY(C) | ● 36PA(E) | ● 41TX(S) | ● 47WI | ● 52VI | ● 4CA(S) | ● 11IL | ● 18MD | ● 25NE | ● 30NY(W) | ● 36PA(W) | ● 41TX(W) | ● 48WY | ● 53PC | ● 5CO | ● 12IN | ● 19MA | ● 26NV | ● 31NC | ● 37RI | ● 42UT | ○ 49AK(N) | | ● 6CT | ● 13IA | ● 20MI | ● 27NH | ● 32ND | ● 38SC | ● 43VT | ● 49AK(S) | |
| ● 1AL | ● 7DE | ● 14KS | ● 21MN | ● 28NJ | ● 33OH | ● 39SD | ● 44VA | ● 49AK(SE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● 2AZ | ● 8FL | ● 15KY | ● 22MS | ● 29NM | ● 34OK | ● 40TN | ● 45WA | ● 50HI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● 3AR | ● 9GA | ● 16LA | ● 23MO | ● 30NY(O) | ● 35OR | ● 41TX(N) | ● 46WV | ● 51PR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● 4CA(N) | ● 10ID | ● 17ME | ● 24MT | ● 30NY(C) | ● 36PA(E) | ● 41TX(S) | ● 47WI | ● 52VI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● 4CA(S) | ● 11IL | ● 18MD | ● 25NE | ● 30NY(W) | ● 36PA(W) | ● 41TX(W) | ● 48WY | ● 53PC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● 5CO | ● 12IN | ● 19MA | ● 26NV | ● 31NC | ● 37RI | ● 42UT | ○ 49AK(N) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ● 6CT | ● 13IA | ● 20MI | ● 27NH | ● 32ND | ● 38SC | ● 43VT | ● 49AK(S) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

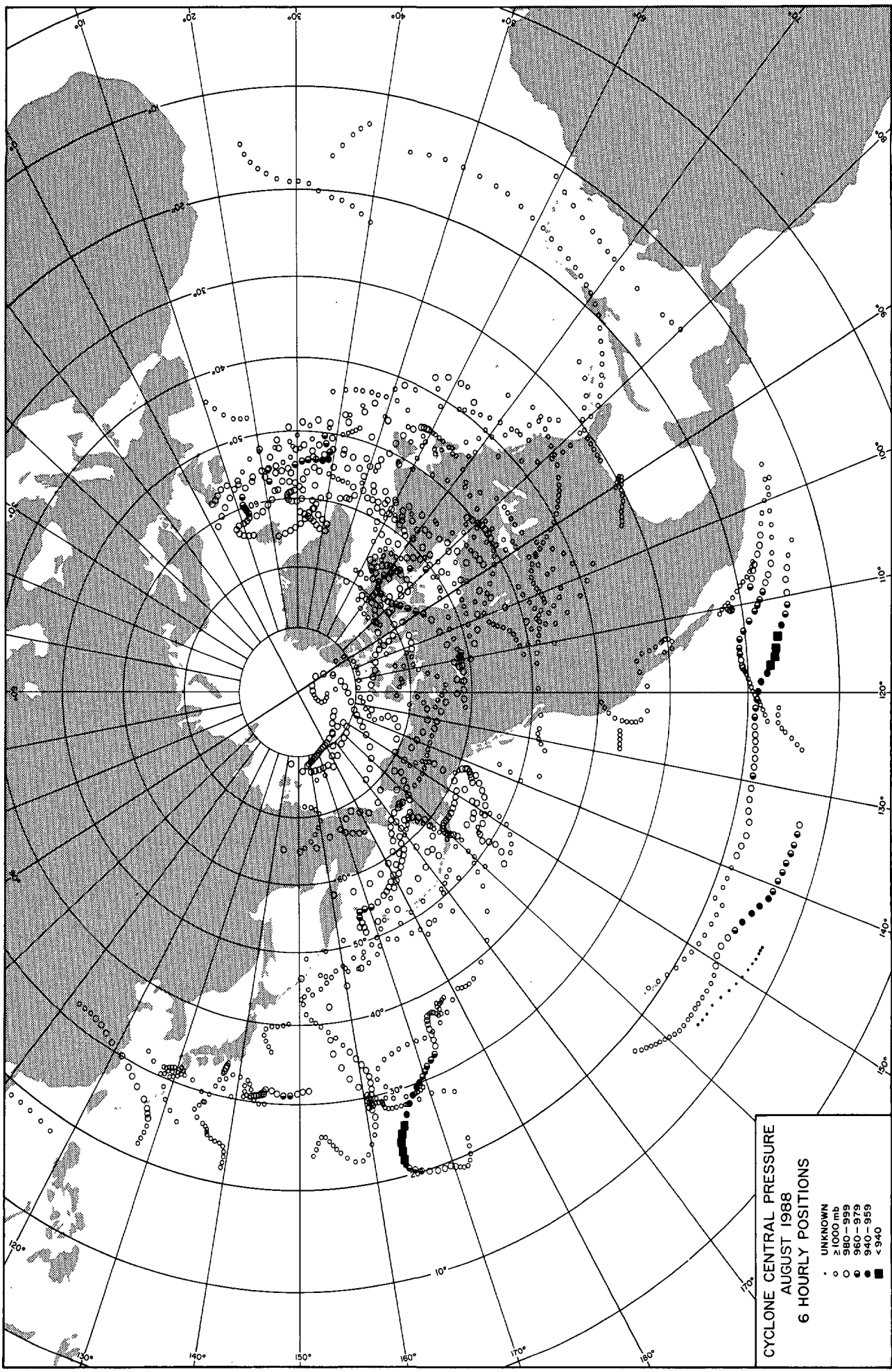




Mapped at the University of Chicago from NHC, cyclone track data

**CYCLONE TRACKS
AUGUST 1988**

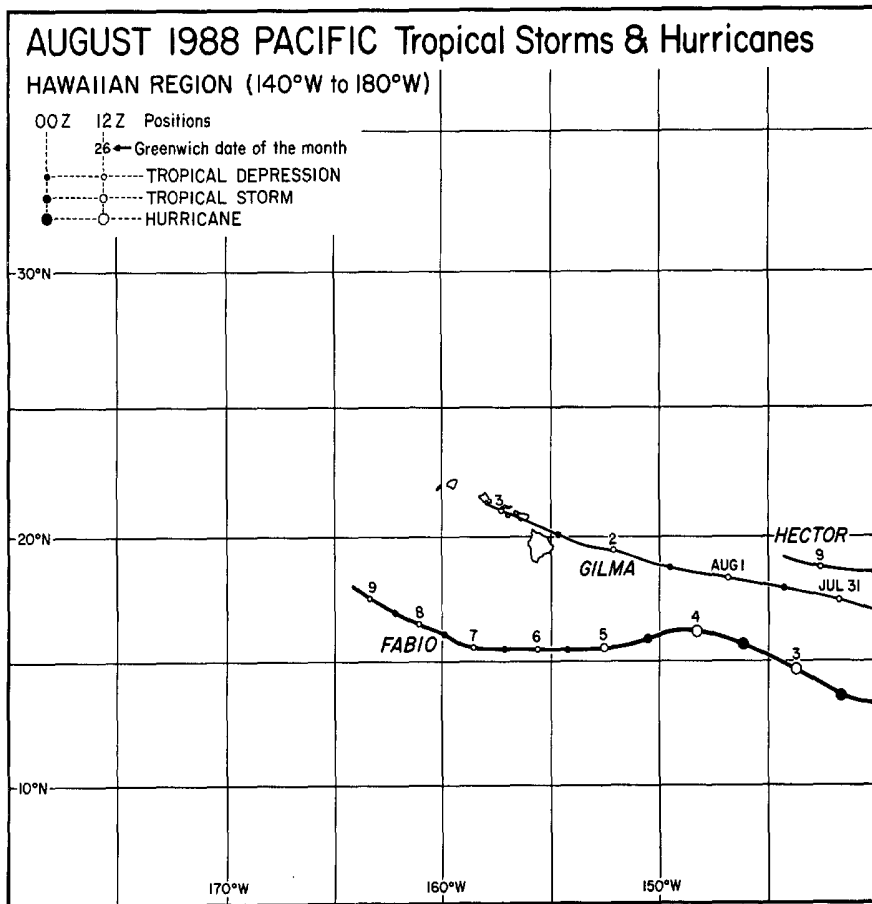
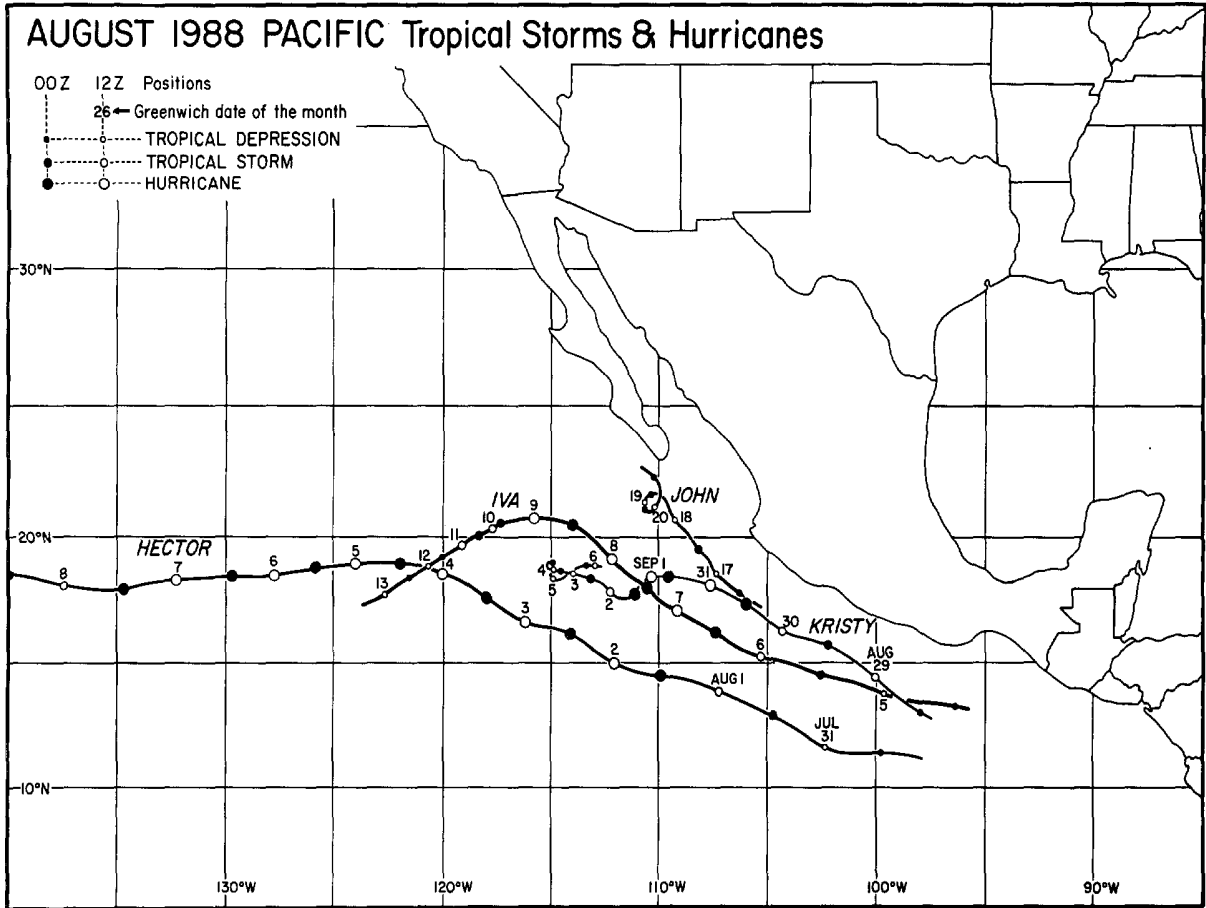
NUMBER OF CYCLONES
 8 BEGAN IN PREVIOUS MONTH
 69 BEGAN AND ENDED IN THIS MONTH
 6 CONTINUED INTO NEXT MONTH
 83 TOTAL CYCLONES IN MAP



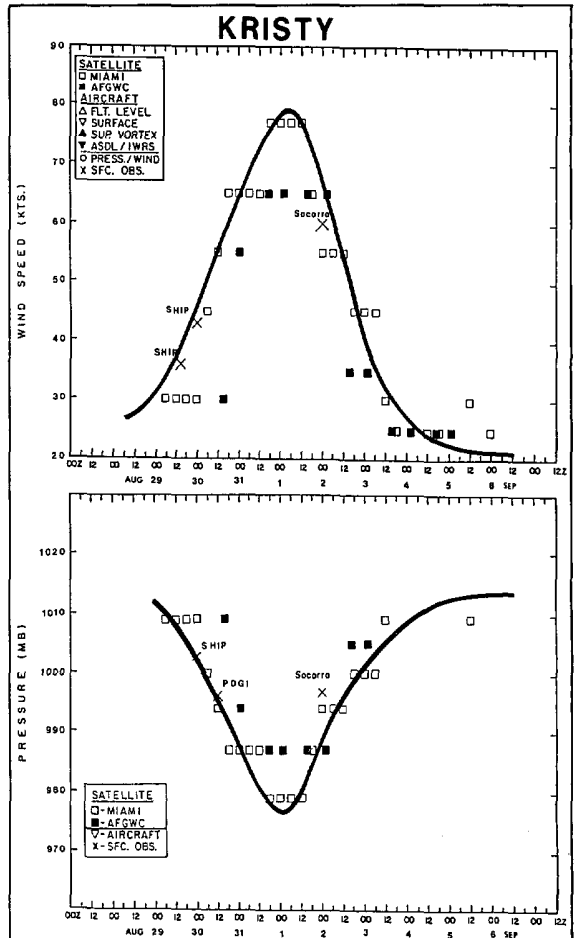
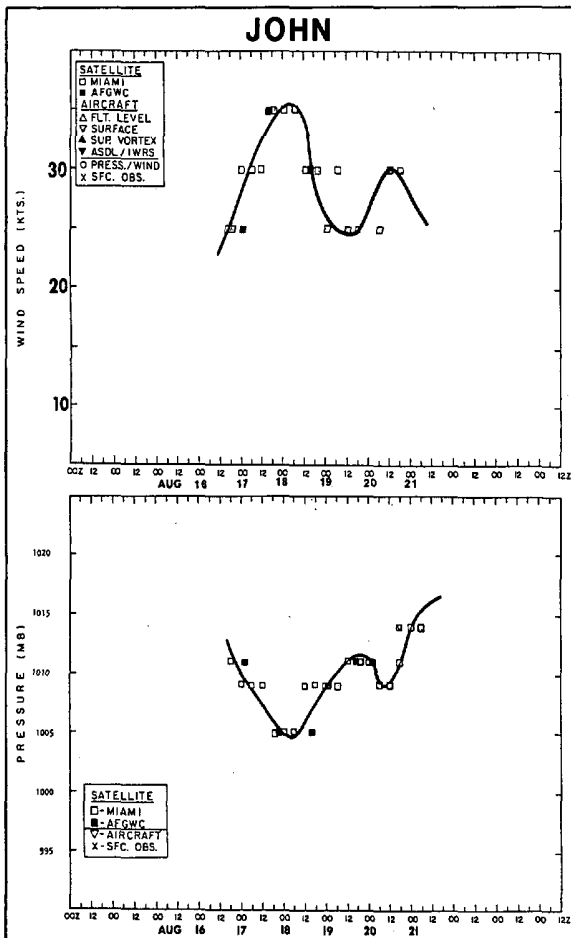
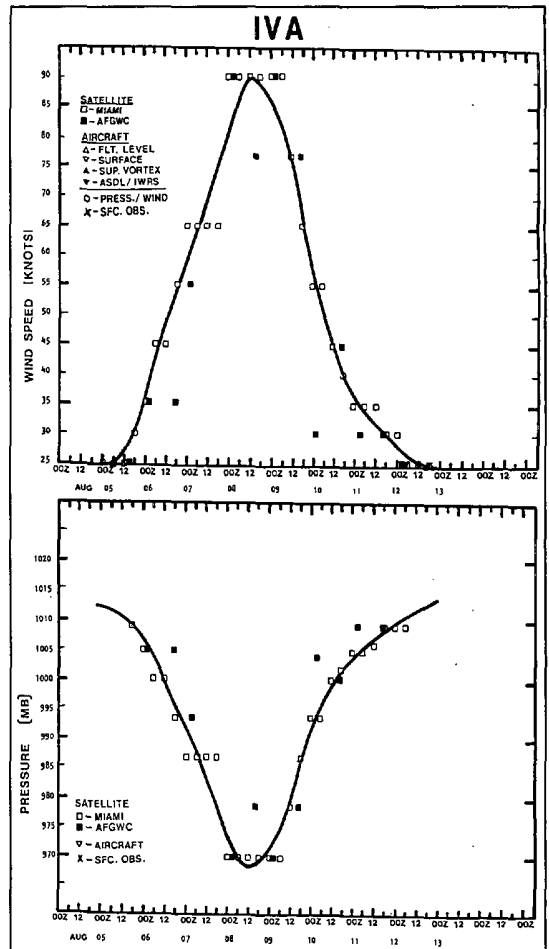
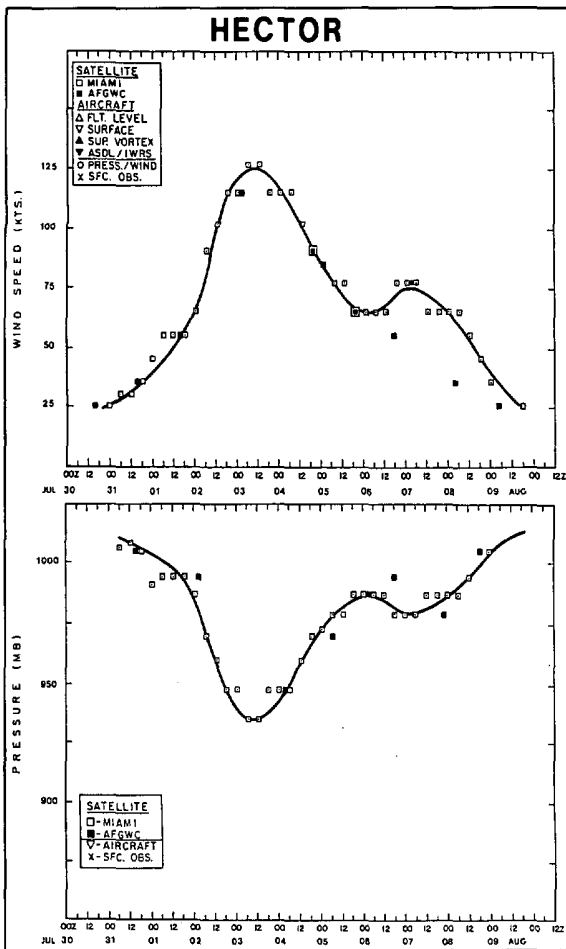
**CYCLONE CENTRAL PRESSURE
AUGUST 1988
6 HOURLY POSITIONS**

UNKNOWNS
• > 1000 mb
○ 980-999
● 960-979
■ 940-959
■ < 940

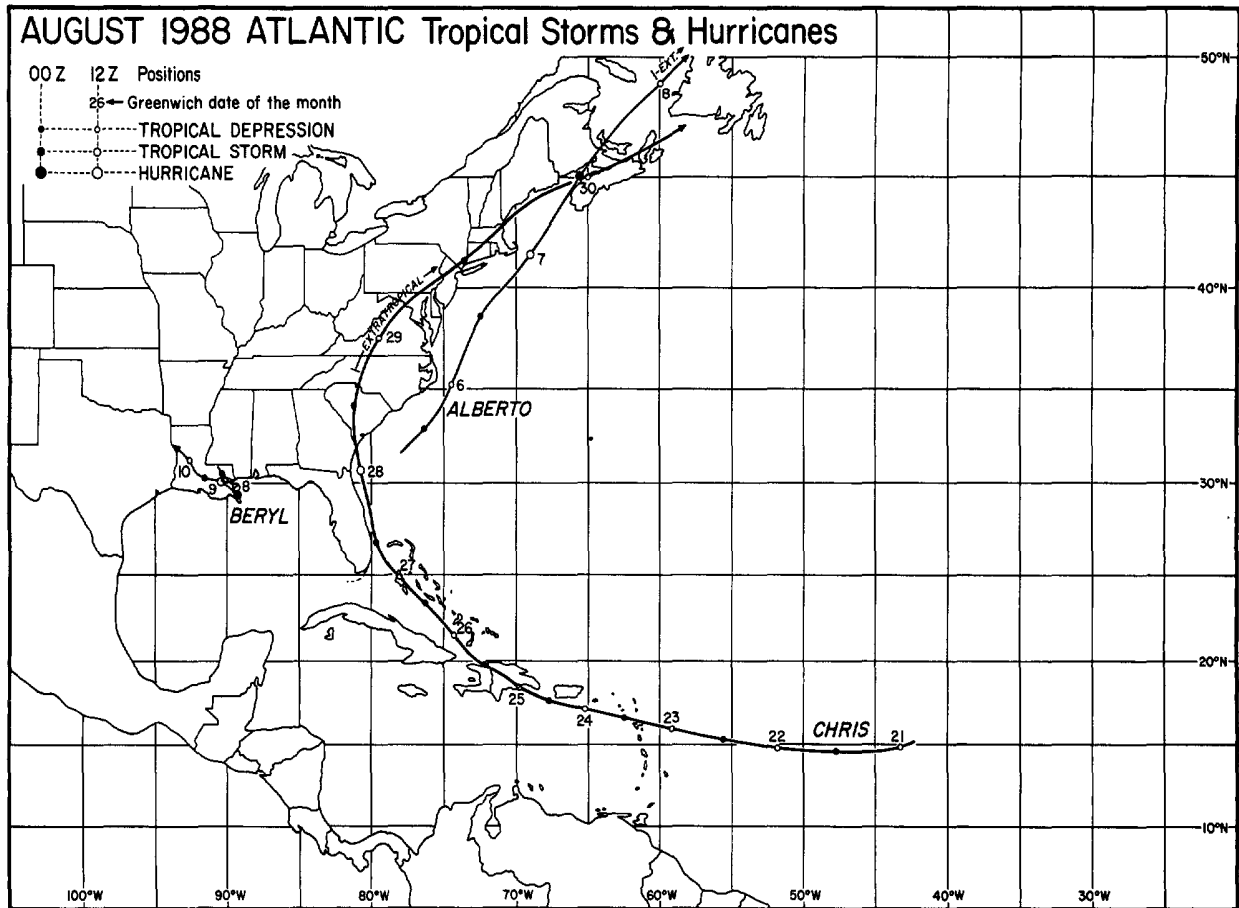
TROPICAL STORMS and HURRICANES



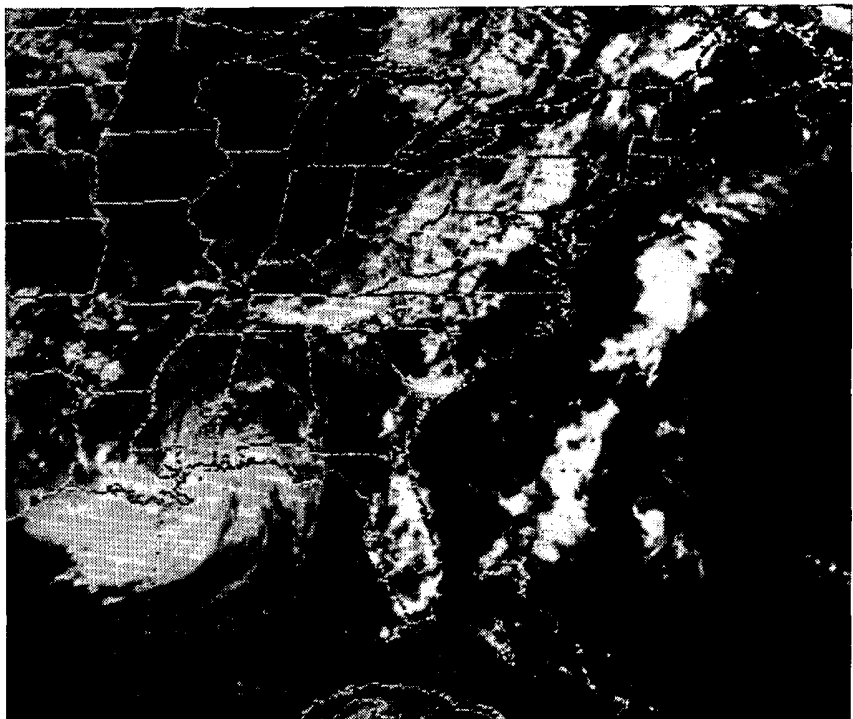
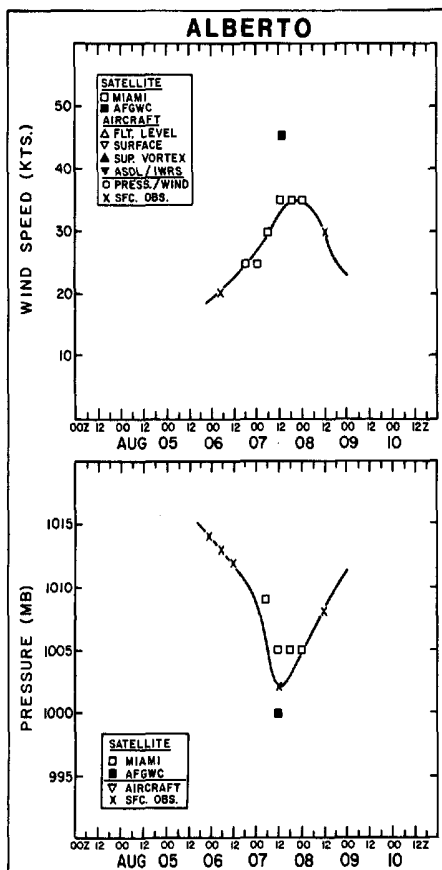
---Best track data in both above maps from the National Hurricane Center, Miami, Florida.



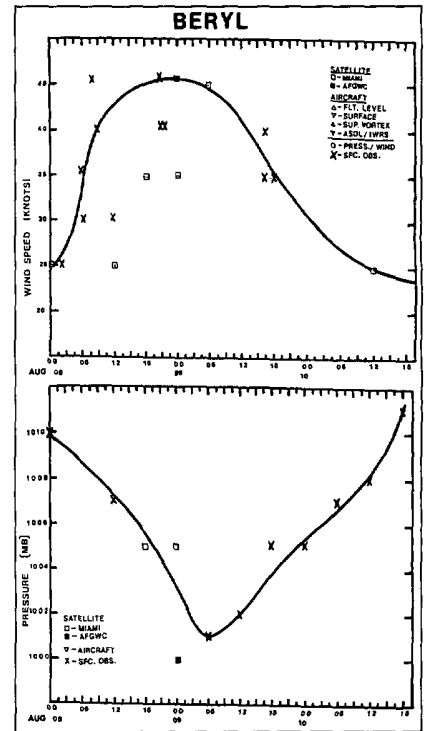
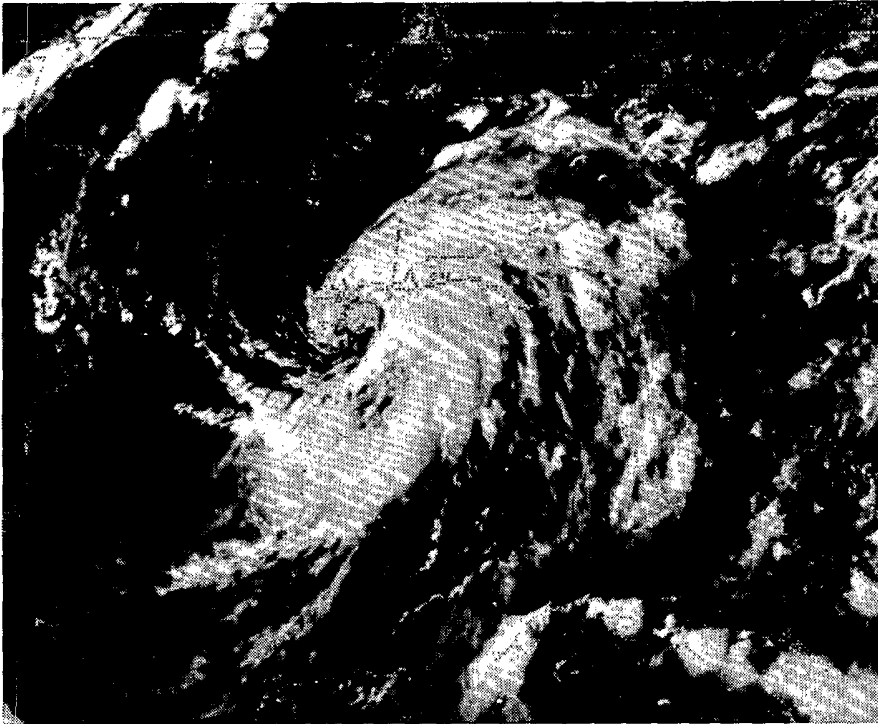
Plots of estimated maximum wind speed and minimum surface pressure versus time for Pacific Tropical Storm JOHN and Hurricanes HECTOR, IVA and KRISTY of August, 1988. (Similar data for FABIO and GILMA appears in the July, 1988 Storm Data.)



---Best track data from the National Hurricane Center, Miami, Florida.



A GOES 6 satellite, visible image taken at 2000 UTC (1500 EST) on August 6th shows ALBERTO prior to its tropical storm stage while offshore of the East Coast which it paralleled as it moved northeast with its small circulating cloud mass. Simultaneously, a second circulating cloud mass was positioned along the Gulf Coast, evidence of the forming Tropical Storm BERYL. LEFT: Plots of estimated maximum wind speed and minimum surface pressure versus time for Tropical Storm ALBERTO.



Tropical Storm BERYL, depicted in a GOES 6 satellite, visible image taken at 1600 CST on August 8th, is seen over the Gulf Coast shortly after becoming a tropical storm. BERYL's circulation center originated over land in south-east Louisiana and moved southeastward into Breton Sound near the Mississippi River Delta. There the system as a whole, much of it extending over land, strengthened to tropical storm status on August 8th. BERYL then did an about-face, moving northwest back into Louisiana and eventually into northeast Texas where the dissipating system became a major rain producer. The area received up to 12.5 inches of rainfall in a 24-hour period ending on the morning of the 11th (see Mt. Enterprise in rainfall table below). RIGHT: Plots of estimated maximum wind speed and minimum surface pressure versus time for Tropical Storm BERYL.

| LOCATION | STRONGEST WINDS (KT) DATE/TIME SUSTD PEAK | MIN PRESS. DATE/TIME | RAINFALL (IN) DATE 24 HRS | STORM TOTAL |
|---------------------------|--|----------------------------|------------------------------|----------------|
| <u>Louisiana</u> | | | | |
| New Orleans(MSY) | 09/0100Z 010/22 31 | 09/1030Z 29.59 (1001.9) | 09 0.62 | 1.54 |
| New Orleans(NEW) | 09/0705Z 030/23 35 | 09/0951Z 29.59 (1001.9) | 09 1.61 | 2.78 |
| New Orleans(NBG) | 09/0120Z 340/17 30 | 09/0955Z 29.60 (1002.2) | | |
| <u>Mississippi</u> | | | | |
| Keesler (AFB) | 08/0559Z SE/24 37 | 09/0752Z 29.72 (1006.4) | | 2.69 |
| Gulfport | 08/0900Z --/40 45 | 09/0600Z 29.69 (1005.3) | 8/9 5.2- | |
| <u>Florida</u> | | | | |
| Pensacola (WSO) | 08/1714Z --/18 21 | 09/0950Z 29.88 (1011.7) | 09 0.91 | 1.26 |
| Pensacola (NAS) | 09/1404Z --/20 33 | 09/0655Z 29.85 (1010.7) | 09 1.79 | 2.34 |
| <u>Alabama</u> | | | | |
| Mobile (WSO) | 09/0851Z SE/24 34 | 09/0851Z 29.81 (1009.5) | | 5.09 |
| Dauphin Island Sea Lab | 09/0743Z SE/33 47 | 09/0550Z 29.77 (1008.1) | | 11.82 |

Selected meteorological and hydrological statistics associated with Tropical Storm BERYL.

| LOCATION | TIDES (FEET) | LOCATION | TIDES (FEET) |
|----------------|--------------|--------------------|------------------|
| Bayou | | | |
| Bienvenue, LA | 5.5 abv norm | Biloxi, MS | 3.3 abv norm |
| Paris Road, LA | 5.0 abv norm | Pass Christian, MS | 4.1 abv norm |
| Rigolets, LA | 3.0 abv norm | Gulfport, MS | 4.7 abv norm |
| Mandeville, LA | 3.0 abv norm | Pensacola, FL | .5 to 1 abv norm |
| Mobile, AL | 1.9 abv norm | | |

Reports of maximum tides associated with Tropical Storm BERYL.

| LOCATION | DATE/24 HOUR | AMOUNT | STORM TOTAL |
|---------------------|--------------|--------|-------------|
| Abbeville, LA | 11 | 4.10 | |
| Hana, LA | 10/11 | 4.15 | |
| St. Martinville, LA | | | 3.98 |
| Reserve, LA | | | 5.19 |
| Thibodaux, LA | | | 2.99 |
| Bogalusa, LA | | | 3.29 |
| Mt. Enterprise, TX | 11 | 12.50 | |
| Clayton, TX | 11 | 11.15 | |
| Cushing, TX | 11 | 8.00 | |
| Reklaw, TX | 11 | 6.73 | |
| Carthage, TX | 11 | 5.73 | |
| Bay St. Louis, MS | | | 10.00 |
| Gulf Shores, LA | | | 4.5- |
| Point Clear, AL | | | 8.34 |
| Stapleton, AL | | | 3.92 |
| Fairhope, AL | 09 | 4.5- | 6.75 |
| Silverhill, AL | 09 | 3.39 | 4.69 |
| Foley, AL | 09 | 6.3- | 10.27 |
| Bay Minette, AL | 09 | 2.98 | 4.19 |

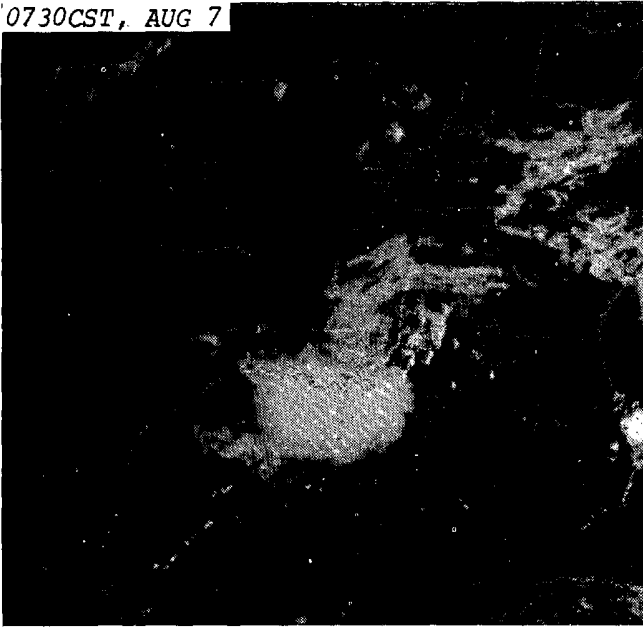
Miscellaneous rainfall observations (in inches) associated with Tropical Storm BERYL.

| DATE/TIME (UTC) | REPORTING PLATFORM* | POSITION LATITUDE LONGITUDE | WIND DIR/SPEED+GUSTS | PRESSURE |
|-----------------|---------------------|--------------------------------|-------------------------|----------|
| 08/0600 | SHIP WTDO | 30.0 88.5 | 160/36 | 1014.3 |
| 08/0700 | RIG P21(MP73) | 29.3 88.9 | --/46 | |
| 08/0900 | RIG S5158C | 28.7 91.0 | WNW/34 +41 | 1010.9 |
| 08/1440 | RIG S58 | 28.2 91.8 | 280/40 +52 TRW | |
| 08/1800 | RIG P26(GI94) | 28.5 90.1 | 310/34 | 1008 |
| 08/1800 | RIG P26(GC18) | 27.9 91.0 | 275/34 | 1007 |
| 08/1800 | SHIP DHOJ | 30.1 88.7 | 100/46 | 1009.5 |
| 08/2211 | RIG P26(MP73) | 29.3 88.9 | --/35 | |
| 09/0000 | SECO | 28.7 90.1 | 010/35 +42 | 1003.4 |
| 09/0600 | SHIP DHOJ | 29.3 87.7 | 140/37 | 1009.0 |
| 10/0300 | RIG P30(WC533) | 28.3 93.0 | 310/36 | |

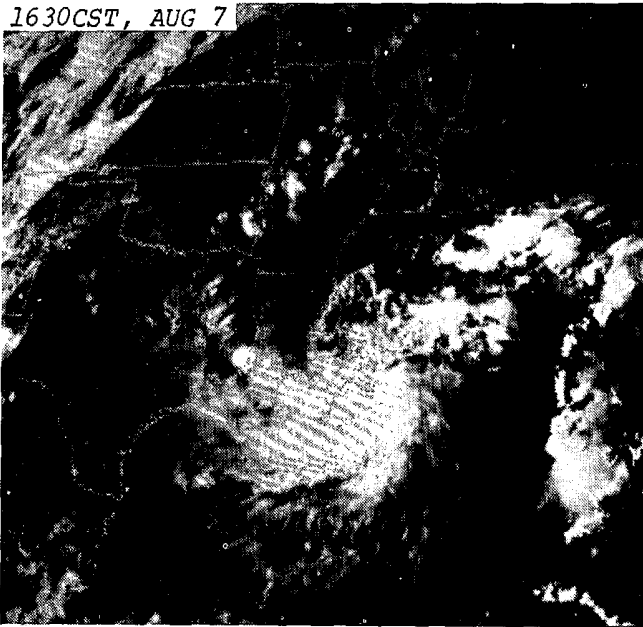
* Anemometer heights vary on different oil rigs.

Selected meteorological statistics from ship and oil rig reports during Tropical Storm BERYL. Wind direction is in degrees, speed in knots and pressure in millibars.

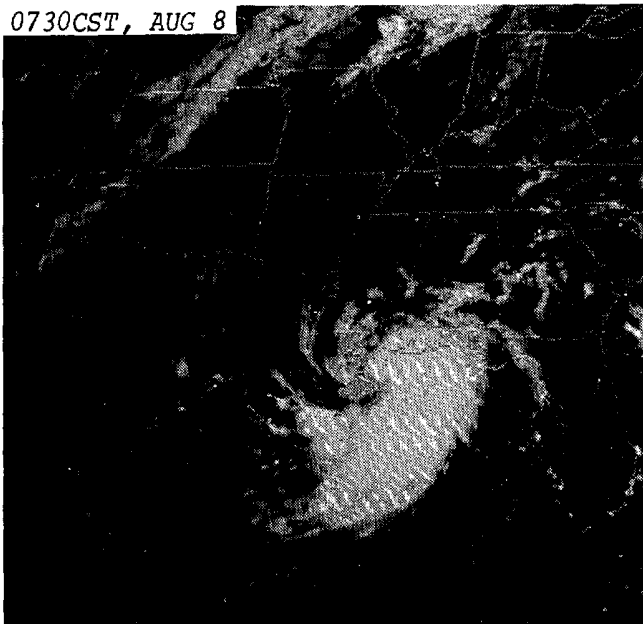
0730CST, AUG 7



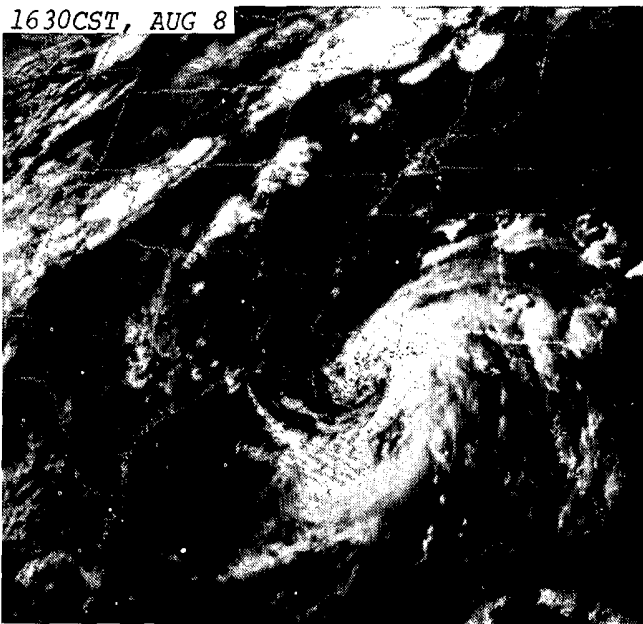
1630CST, AUG 7



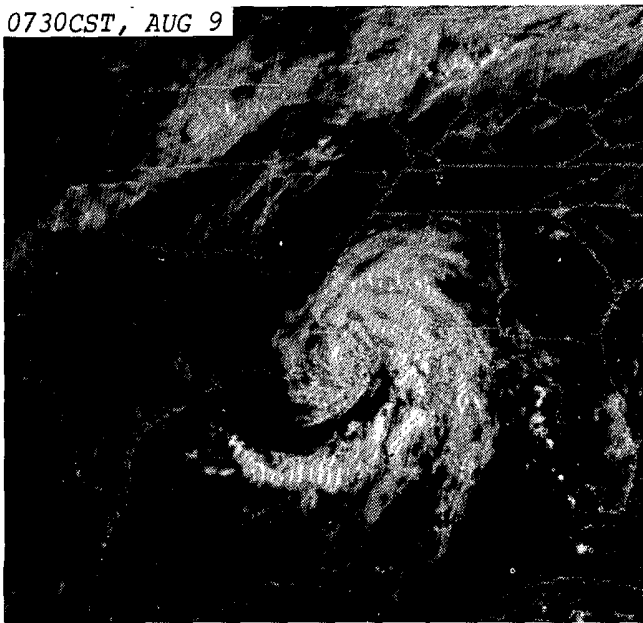
0730CST, AUG 8



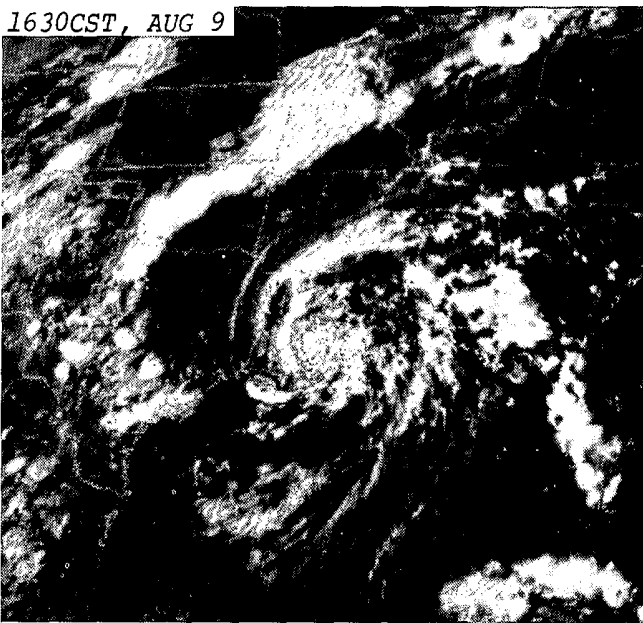
1630CST, AUG 8



0730CST, AUG 9

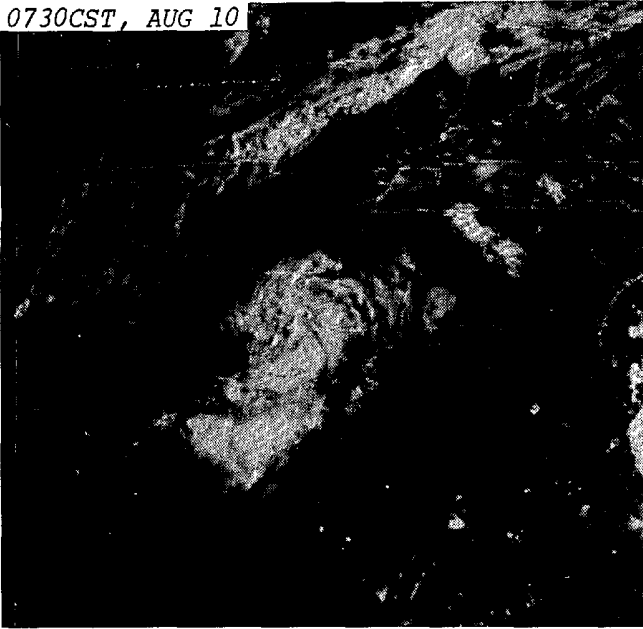


1630CST, AUG 9

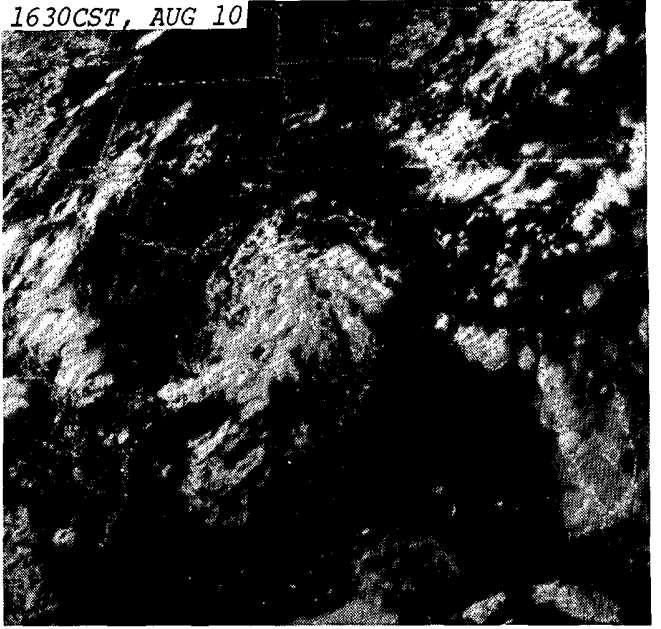


Daily morning and afternoon, visible images taken from the GOES 6 satellite on August 7th through 12th, reveal BERYL's life history through the varying development and organization of the system's cloud pattern with time. Being that BERYL was mainly over land for its duration, its tropical storm status was short-lived and resulting damage light. Damage mainly consisted of erosion and flooding due to storm surge along the immediate coastal

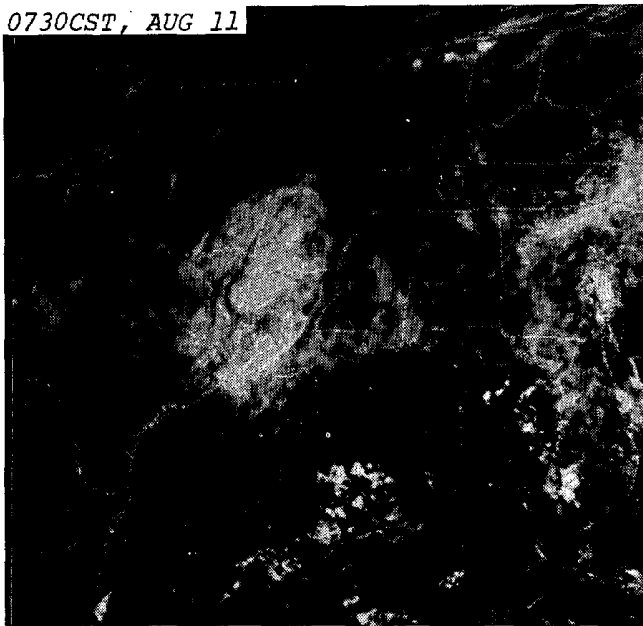
0730CST, AUG 10



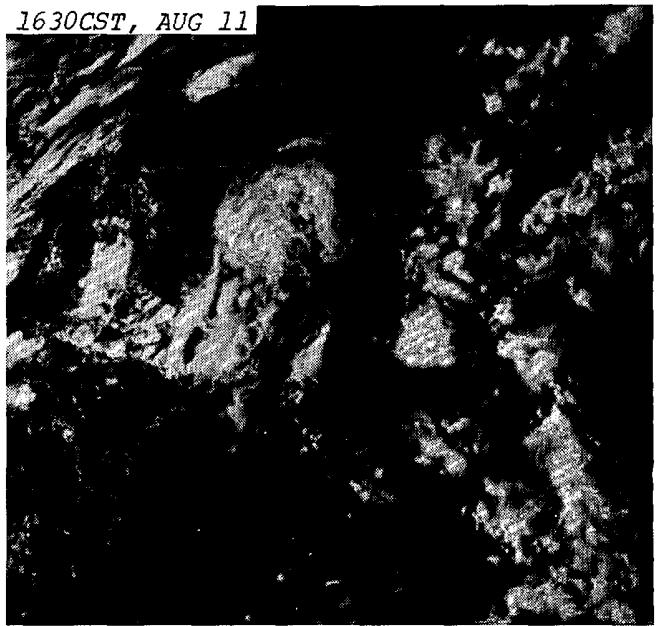
1630CST, AUG 10



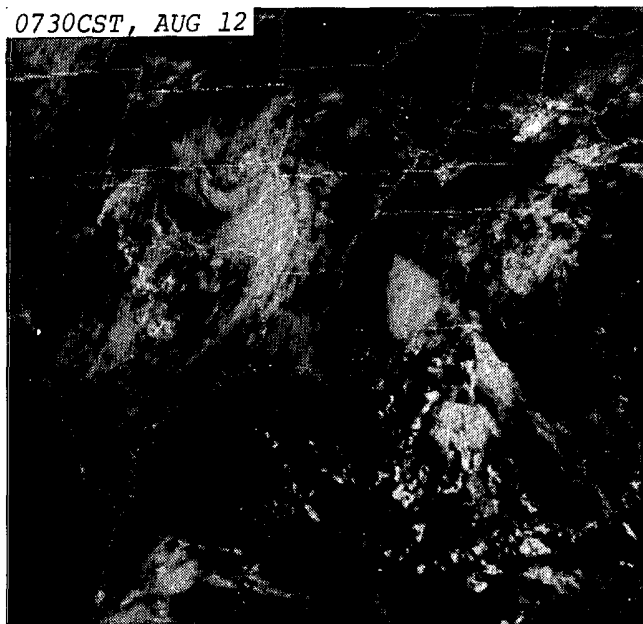
0730CST, AUG 11



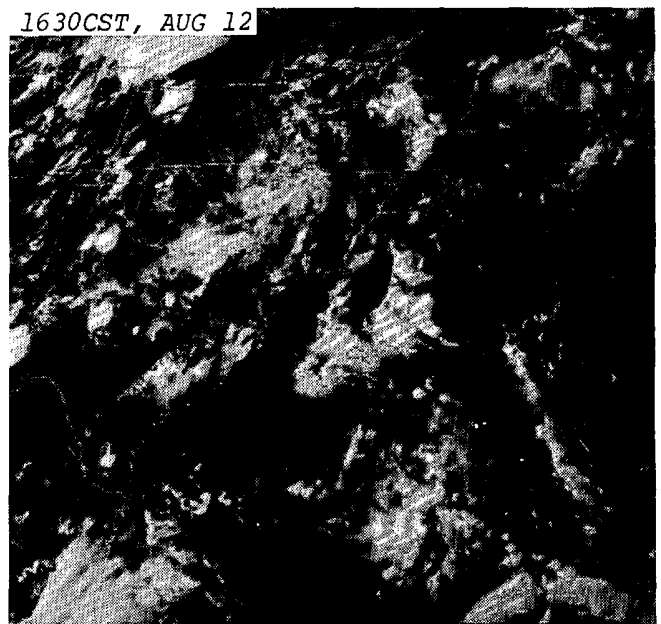
1630CST, AUG 11



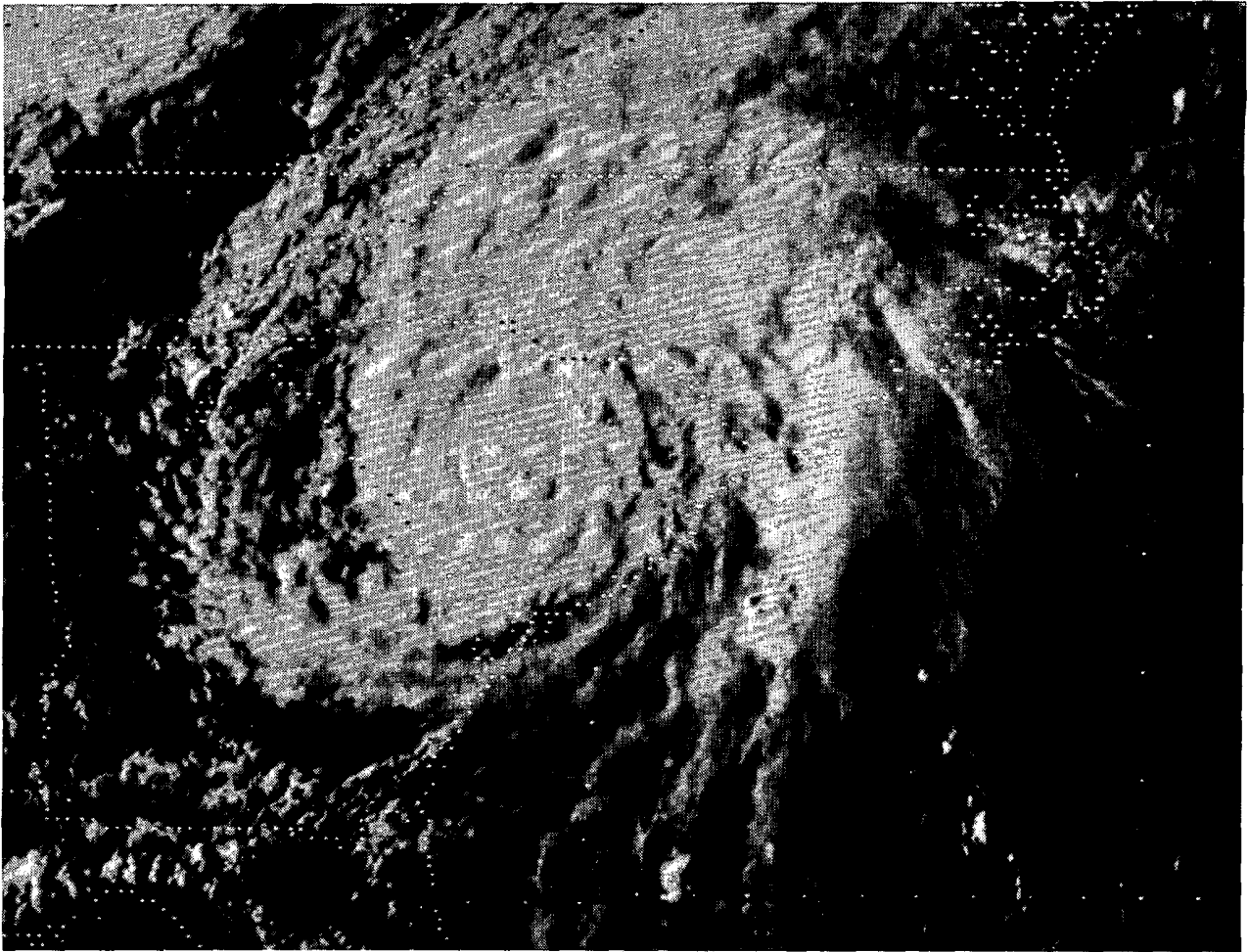
0730CST, AUG 12



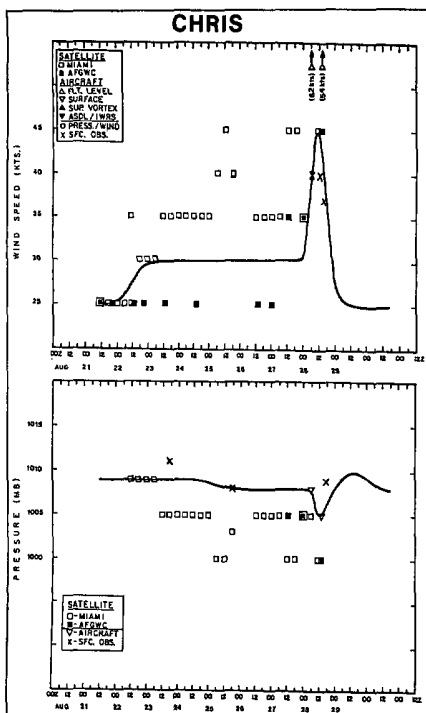
1630CST, AUG 12



areas of Mississippi and Alabama, flooding due to surge along coastal Louisiana, minor wind damage in southeast Louisiana, and flash flooding from heavy rains in northeast Texas. ---Photos from the National Environmental Satellite Data and Information Service, Washington, DC.



Clouds spiral around Tropical Storm CHRIS' center, located in central South Carolina in this GOES 6 satellite, visible image taken at 1700 EST on August 28th. At the time, seven hours after making landfall near the Georgia - South Carolina border, CHRIS was back in depression stage after only 12 hours of being a tropical storm. Like BERYL, CHRIS' storm stage was short-lived, but unlike BERYL, CHRIS had formed in the mid Atlantic on an easterly wave that originated along the African coast, and had traveled a considerable distance before making landfall. Still, damage was light, with the exception of that produced by five tornadoes spawned by the storm: one F2 in South Carolina, three F1's in North Carolina, and one F2 in Virginia. The South Carolina tornado destroyed 50 mobile homes and damaged 13 others, but luckily only one death and one injury resulted.



| Location | Minimum sea level pressure(mb) | | Maximum surface wind speed(kt) | | Storm surge(ft) | Rain (in) |
|---|--------------------------------|-----------------|--------------------------------|-----------|-----------------|-----------|
| | Pressure | Date/time (UTC) | 1-minute average | Peak Gust | | |
| Georgia | | | | | | |
| Fort Pulaski | | | | | +1.5 | |
| Savannah Light Tower (SVLS) 70 ft ele.) | | | 37 | 43 | | |
| Savannah(SAV) | 1009.6 | 28/1554 | 15 | | | |
| Tybee MARS | | | 30 | | | |
| South Carolina | | | | | | |
| Beaufort(NBC) | 1008.7 | 28/1610 | 23 | 33 | | 1.95 |
| Charleston(CHS) | 1013.9 | 28/1800 | 29 | 35 | | 2.66 |
| Charleston City | | | | | +0.5 | 0.69 |
| Myrtle Beach(MYR) | | | 19 | 35 | +1.0 | 1.63 |
| North Carolina | | | | | | |
| Cape Hatteras(HAT) | 1019.9 | 29/0850 | 14 | 22 | | |
| Oak Island | | | 20 | 28 | | |
| Wilmington(ILM) | 1017.7 | 29/0850 | 14 | 23 | | 0.01 |
| Wrightsville Beach | | | 20 | | | |

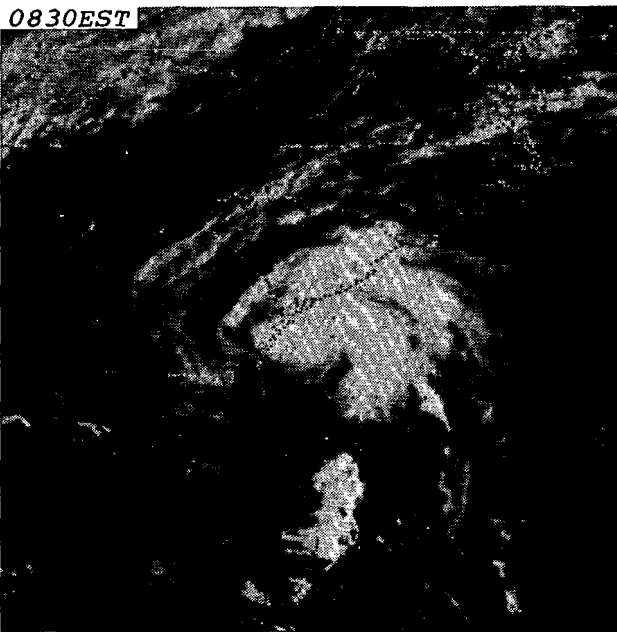
¹Time of 1-minute wind, except when only a gust is given.

Selected meteorological and hydrological observations associated with Tropical Storm CHRIS. LEFT: Plots of estimated maximum wind speed and minimum surface pressure versus time for Tropical Storm CHRIS.

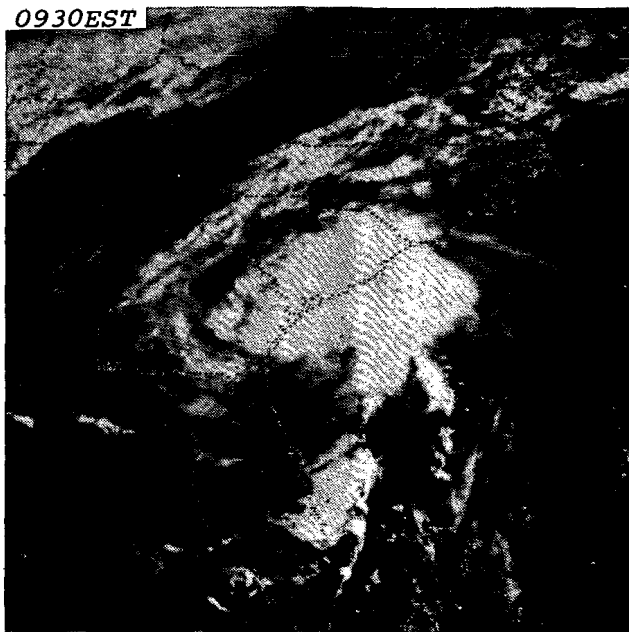
0730EST



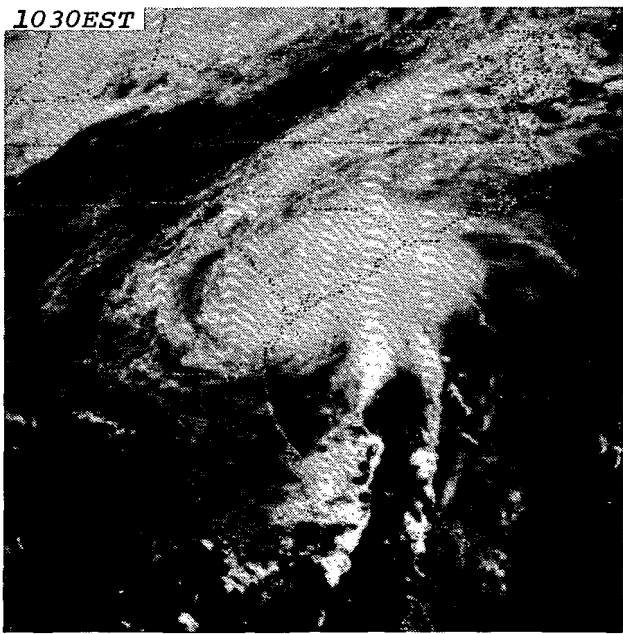
0830EST



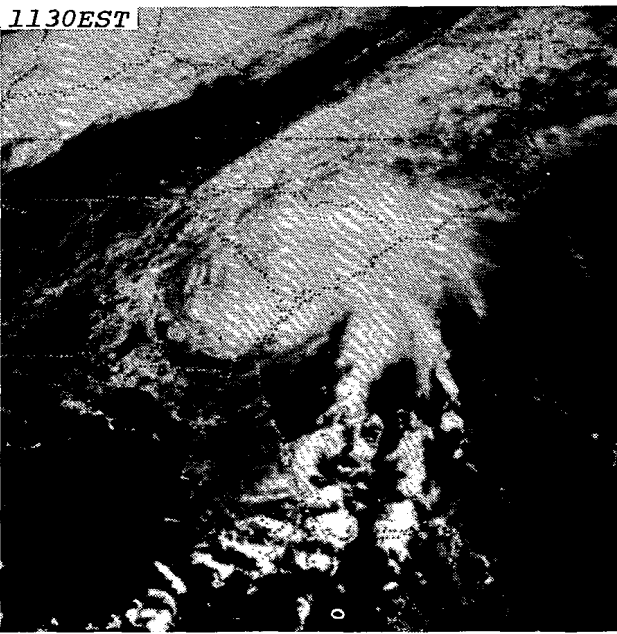
0930EST



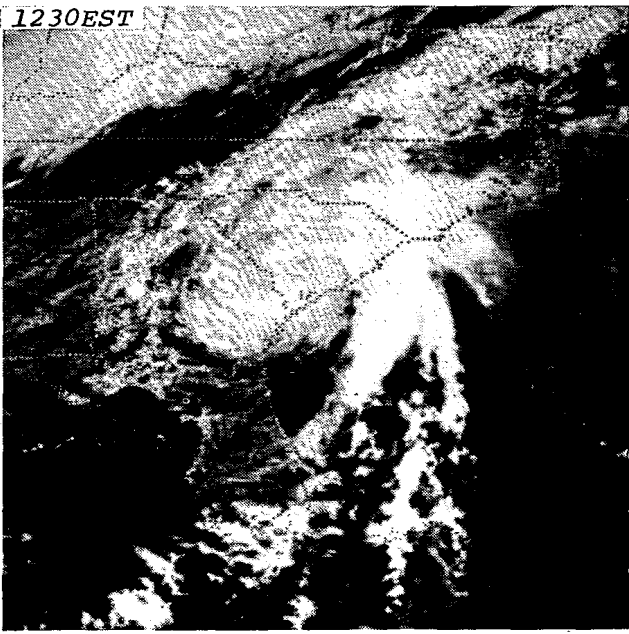
1030EST



1130EST



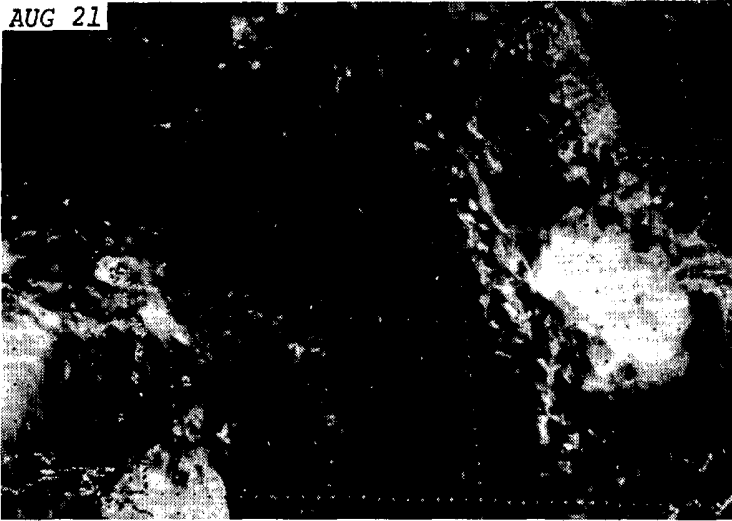
1230EST



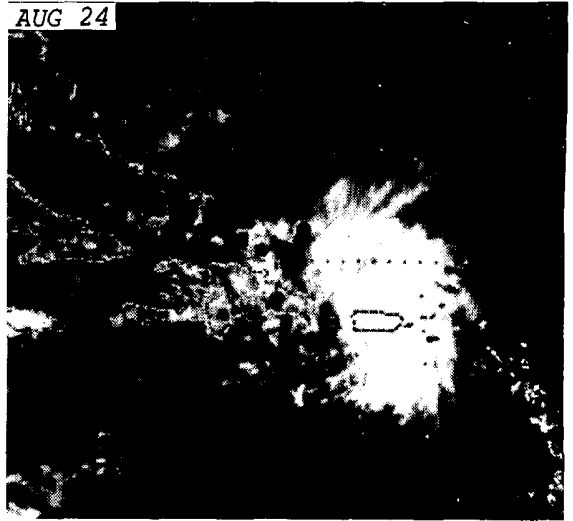
- 13 -

GOES 6 satellite, visible images taken at hourly intervals during the morning of August 28th depict CHRIS during its landfall period. The storm's center came ashore near Savannah, Georgia at 1000EST. The highest observed sustained wind speed, 37 knots, was recorded at the Savannah Light Tower. ---Photos from the National Environmental Satellite Data and Information Service, Washington, D.C.

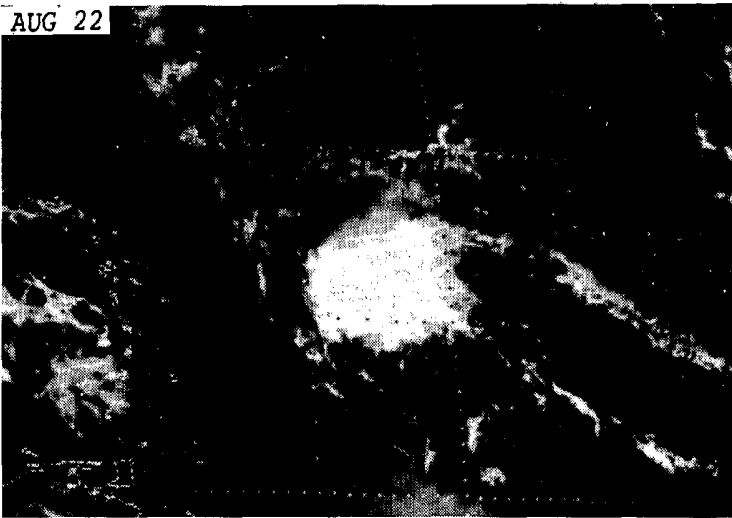
AUG 21



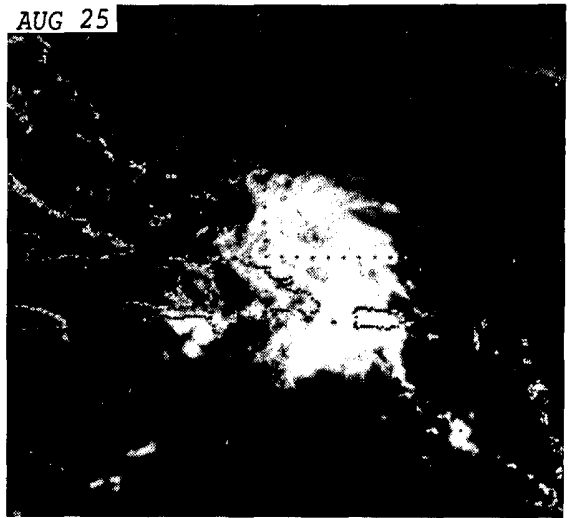
AUG 24



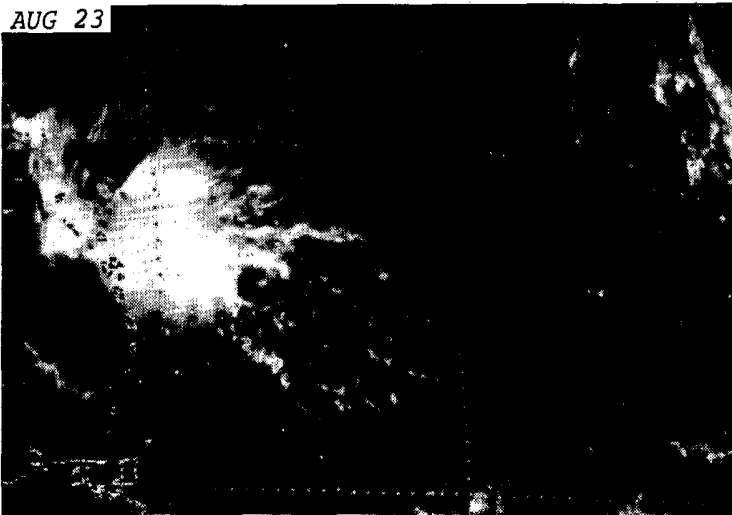
AUG 22



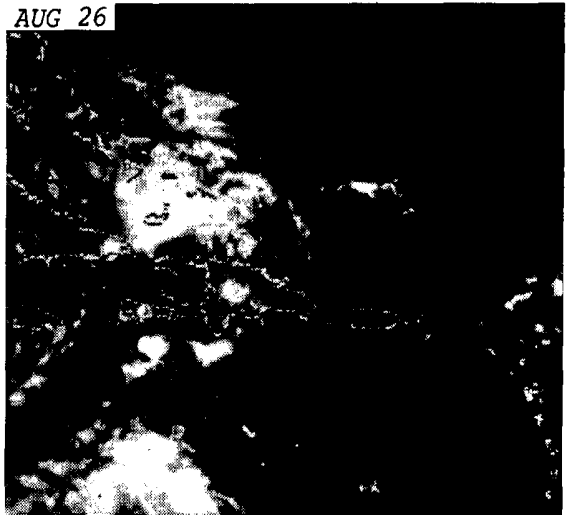
AUG 25



AUG 23

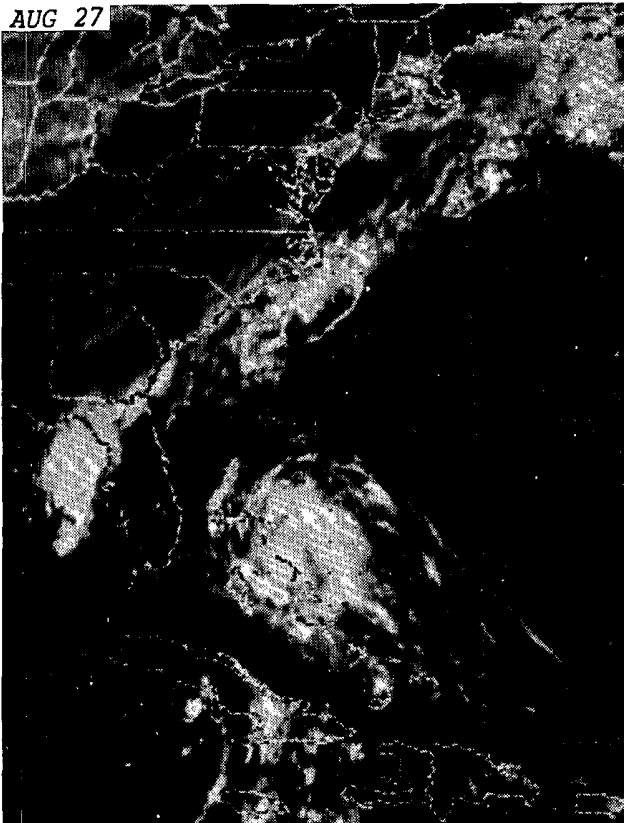


AUG 26

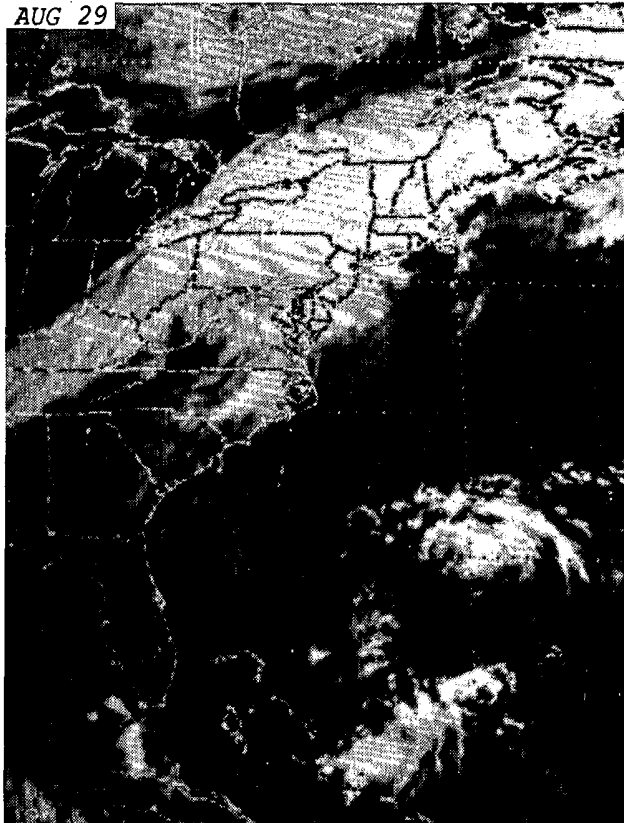


Above and on the following page, CHRIS' life history is depicted in GOES 6 satellite, visible images taken daily at 1330 UTC from August 21st to the 30th, with the exception of the 24th which was taken at 1930 UTC. Although originating as a tropical wave near the west coast of Africa on August 15th, CHRIS first became a depression on the 21st while midway between Africa and the Lesser Antilles when a low-level cloud circulation was identified. The depression moved across the Puerto Rico - Virgin Islands area on the 23rd through 25th; on Puerto Rico, rainfall amounts of up to 15 inches were received, and three deaths and 8.8 million dollars in damage were also attributed to the depression. While passing through the Bahamas, the depression turned northwest and then north,

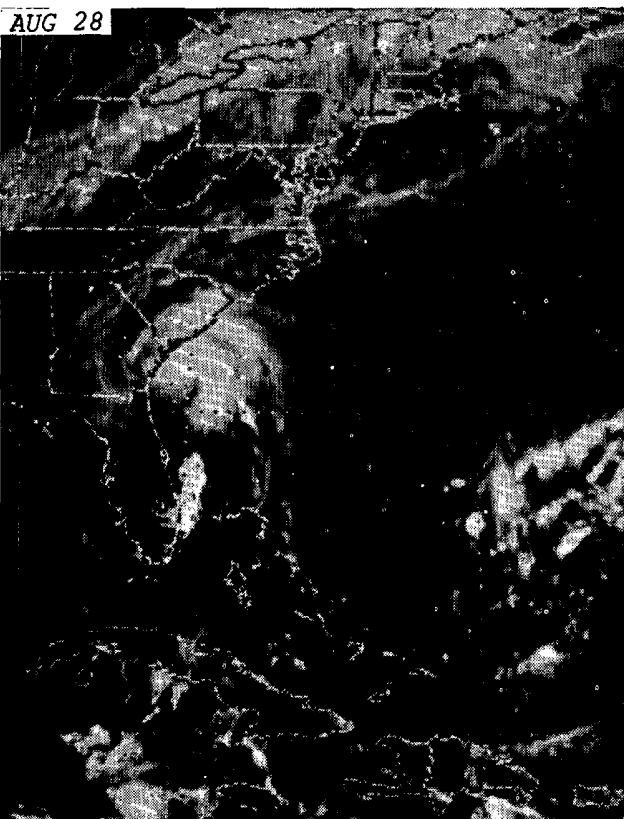
AUG 27



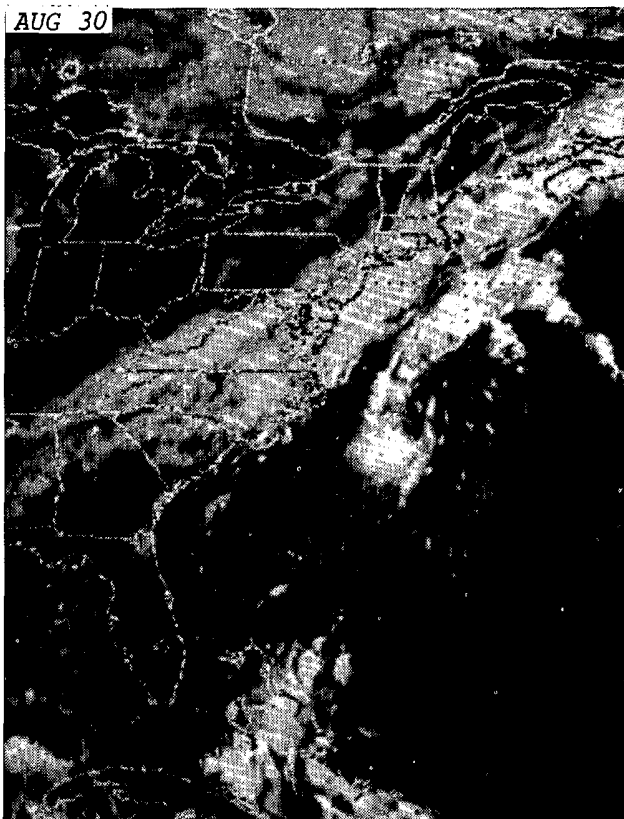
AUG 29



AUG 28



AUG 30



and paralleled the coast of Florida while intensifying to tropical storm strength. After landfall, CHRIS moved north-northeast through the East-Central States while merging with an eastward-moving frontal system. Prior to the merger, the frontal system was responsible for an outbreak of severe weather of its own which struck Pennsylvania, New York, Vermont and New Hampshire on the 28th while CHRIS was still situated in the Carolinas. ---Photos from the National Environmental Satellite Data and Information Service, Washington, DC.

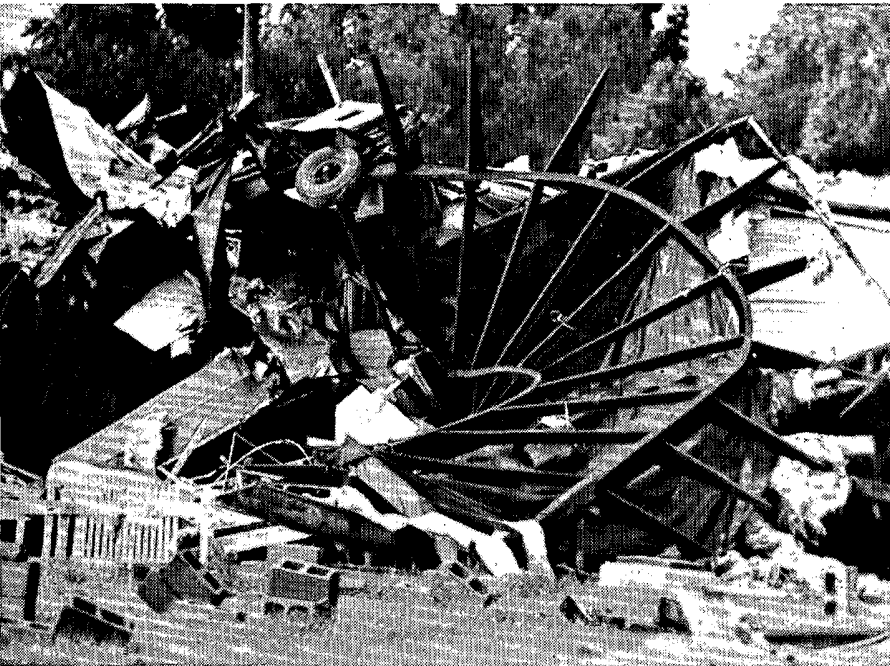
---All materials on pages 6 through 9, and 12, are from the National Hurricane Center and provided through the Hurricane Research Division of AOML, both of Miami, Florida.

1. TORNADO near MANNING, SOUTH CAROLINA on August 28, 1988

The first of five tornadoes spawned by Tropical Storm CHRIS set down in a mostly rural area 3 miles southwest of Manning, South Carolina at 1515EST on August 28th. Its short, three-quarter mile long path however could not have been more inopportunately placed, as the twister ripped through an area of mobile homes, destroying 50 of the units and damaging 13 others. A frame house was damaged also, and several trees were broken or uprooted. Surprisingly, only one death, a 78 year old woman in one of the mobile homes, and one injury, a 12 year old girl, resulted. The tornado was moving toward the northwest.



Many of the mobile homes as above were rolled into each other forming trailer sandwiches, while for others (foreground) only their frames remained intact.



Trusses on a twisted mobile home frame point skyward like the rays emanating from the headdress of the Statue of Liberty. At right, a nearby sign that was plucked from the ground proved to have offered an invitation that the tornado could not resist.



A stairway to nowhere and stacked concrete blocks mark the former site of a mobile home that was blown across a road and into a field (background).



Debris that was gathered into large piles during the removal of salvagable items from the wreckage.



A cleanup crew employs a backhoe to load debris onto a dump truck for removal.

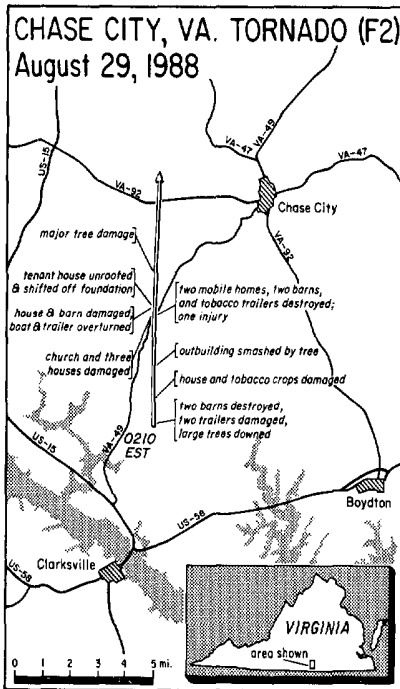


Traffic is occasionally halted in the stricken area to allow heavy equipment to haul out the debris during the cleanup.

---All photos on pages 16 and 17 by Sam Holland, The Item, Sumter, South Carolina.

2. TORNADO near CHASE CITY, VIRGINIA on August 29, 1988

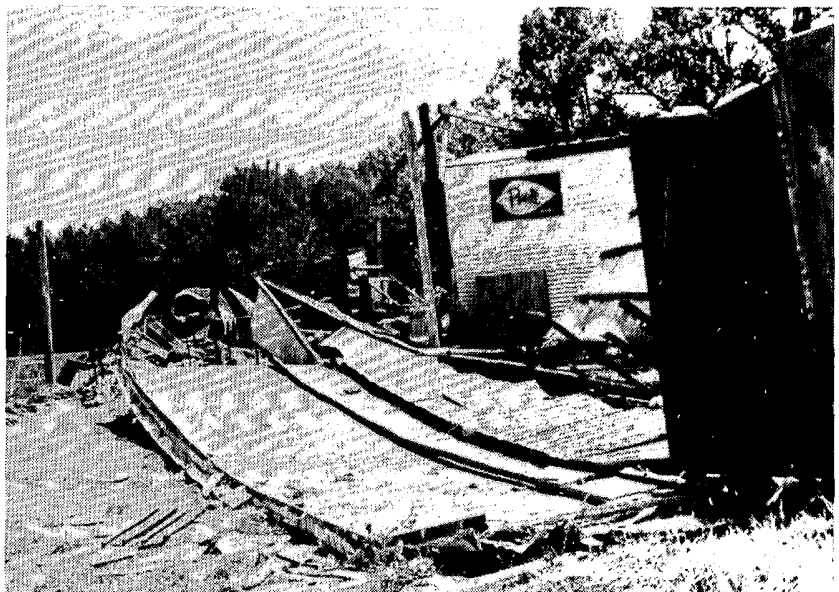
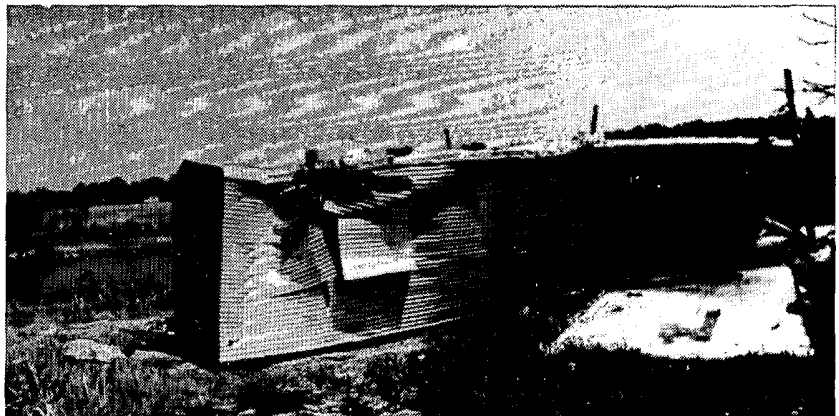
The last tornado spawned by Tropical Storm CHRIS touched down during the early morning (0210EST) of August 29th southwest of Chase City in extreme south-central Virginia. The tornado moved due north along an 8 mile path through mostly rural terrain, causing a variety of damage of up to F2 intensity. The strongest and most abundant damage occurred where the tornado crossed State Highway 49, about 5.5 miles southwest of Chase City. A church and three homes were damaged; two house trailers, two barns, and several tobacco trailers were destroyed; and a tenant house was unroofed and moved off its foundation. One of the house trailers had been wrapped around a tree and its occupant was later hospitalized after being dug out from the debris. Luckily, he received only minor injuries. Six migrant farm workers who were asleep in the tenant house received no injuries at all. Total damages from the tornado were estimated at \$700,000.



Path of the Chase City, Virginia tornado of August 29, 1988 with major damage indicated. ---Map by Roy L. Britt of Richmond, Virginia.



An outbuilding lies crushed beneath a fallen tree that was downed by the tornado about 6.5 miles southwest of Chase City.



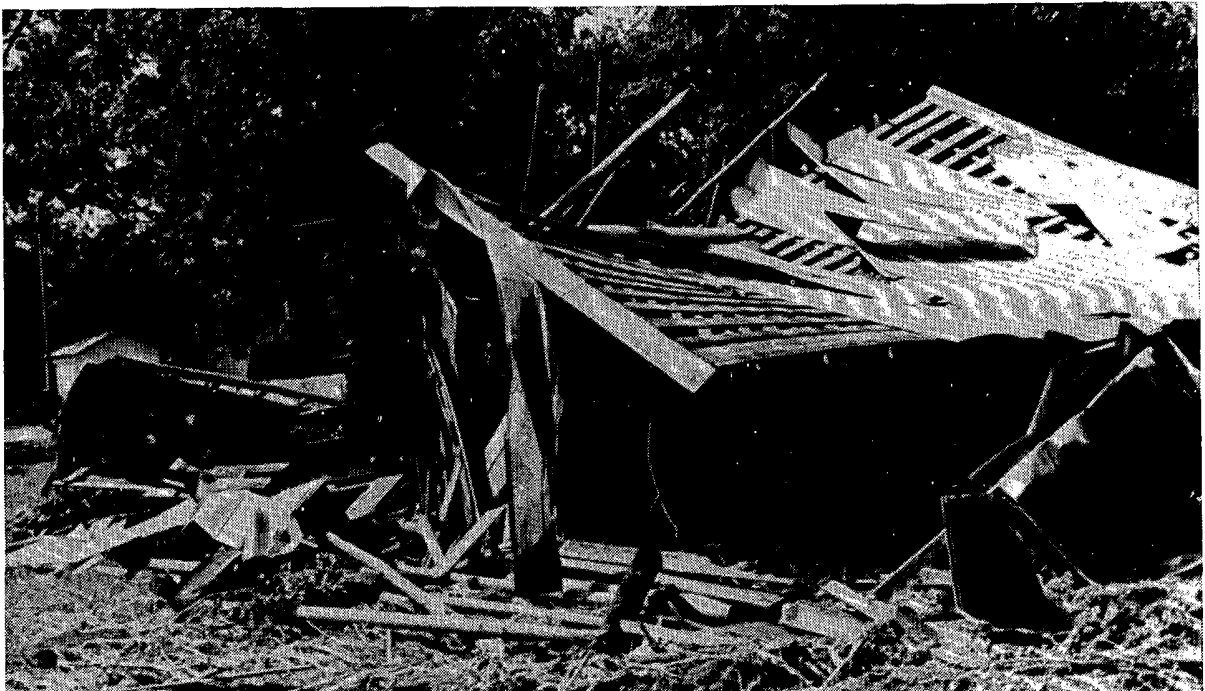
Two tobacco trailers near Virginia Highway 49 that were blown off their foundations and destroyed.



This pile of rubble is all that remained of two barns near State Highway 49 after the tornado destroyed them.



Also near State Highway 49, the square, concrete block configuration in the foreground above marks a foundation which is all that remained of a small house that was blown away by the tornado. In the center background is a tenant house which was occupied by 6 migrant farm workers.



Remains of another barn near the Highway 49 crossing point.

---All photos on pages 18 and 19 by Roy L. Britt of Richmond, Virginia.

3. FLASH FLOOD at CALICO GHOST TOWN, CALIFORNIA on August 20, 1988

During the early afternoon of August 20th, one of a number of thunderstorms in the Southern California deserts passed through Barstow and the Calico Mountains, dumping nearly 2 inches of rainfall over the area in a 45 minute period. Runoff from the sudden deluge formed a two foot high wall of water that swept down a canyon that serves as the parking area for the Calico Ghost Town, a popular tourist haunt. Fifty to sixty vehicles from many different states were swamped and pushed about by the unexpected waters. Many were thrust into each other causing body damage, and most received extensive water and mud damage. A large amount of rock debris was moved as well, as a new deeper channel was cut through the narrow canyon by the rushing water. The flash flood also eroded away about half of a nearby, 144-space campground, and a portion of Interstate 15 was flooded as well.



Cars and campers alike lie gridlocked in a maze of rock debris left behind by the flood as the waters receded.



Car owners examine the damage to their vehicles in the previously bone-dry parking area, and contemplate the ordeal of having them extricated from the grip of a now very muddy stream bed.



An overview of the chaos as seen from a high point along the wall of the canyon.



As the waters receded, this freshly-carved channel through the canyon was exposed.

---All photos on pages 20 and 21 are from the Desert Dispatch, Barstow, California.

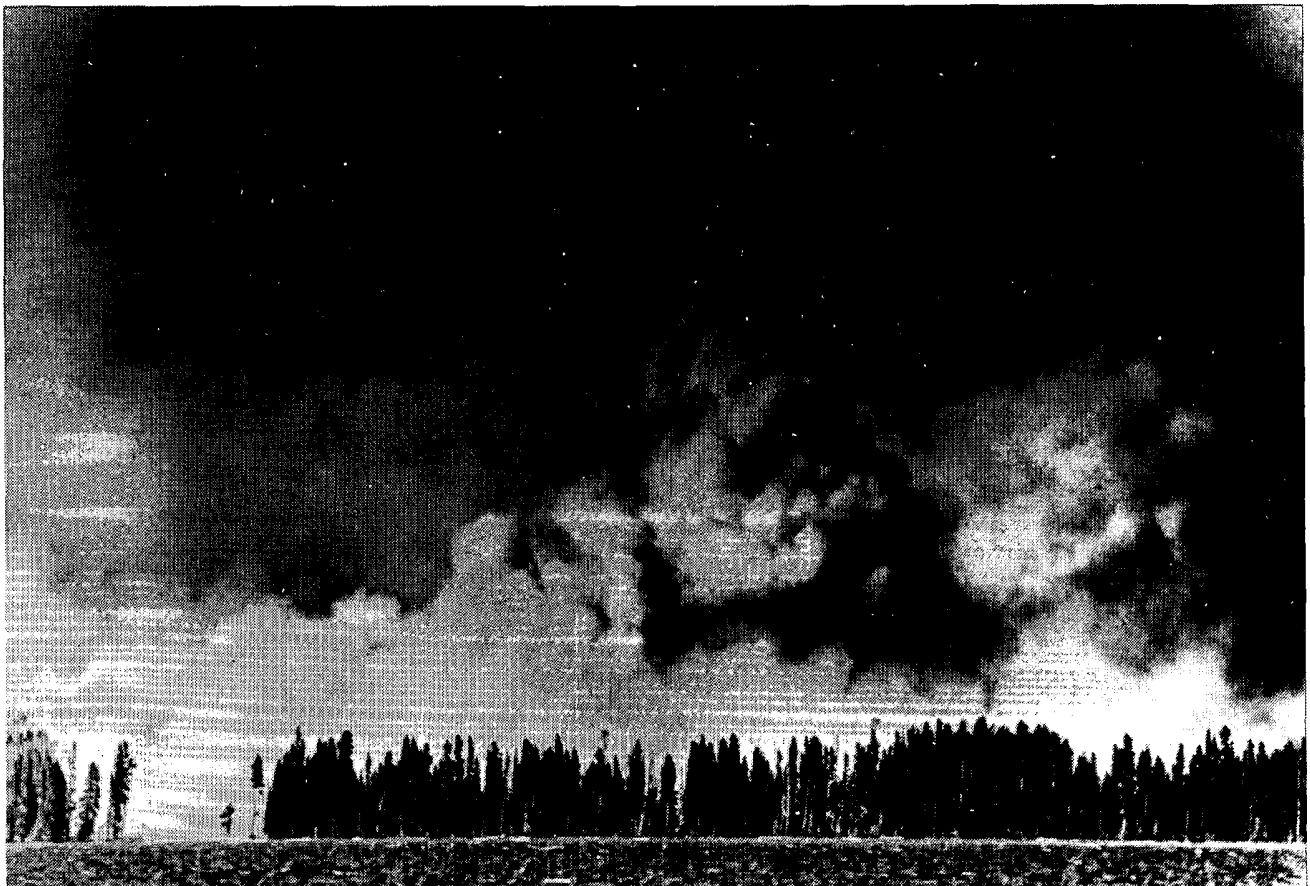
EDITOR'S NOTE: THE DROUGHT OF 1988

The nearly nationwide drought of Spring and Summer 1988, being an extremely broad event in both an areal and temporal sense, does not lend itself well to being featured in the Outstanding Storms of the Month section of Storm Data, which is designed to provide in pictorial form expanded yet specific information on noteworthy storm events with easily-definable time and geographic limits. Also due to the nature of drought, information on such an event in general is not easily collected and organized in a concise, all-inclusive manner. However, a number of National Weather Service Forecast Offices have provided on a monthly basis whatever information on the drought that was available for their respective states for presentation in the Storm Data and Unusual Weather Phenomena section of this publication. These reports however in no way present a complete review on the effects or expanse of the drought as a whole. Reports on the drought were provided for the months of May through August, 1988 for the following states as listed by month:

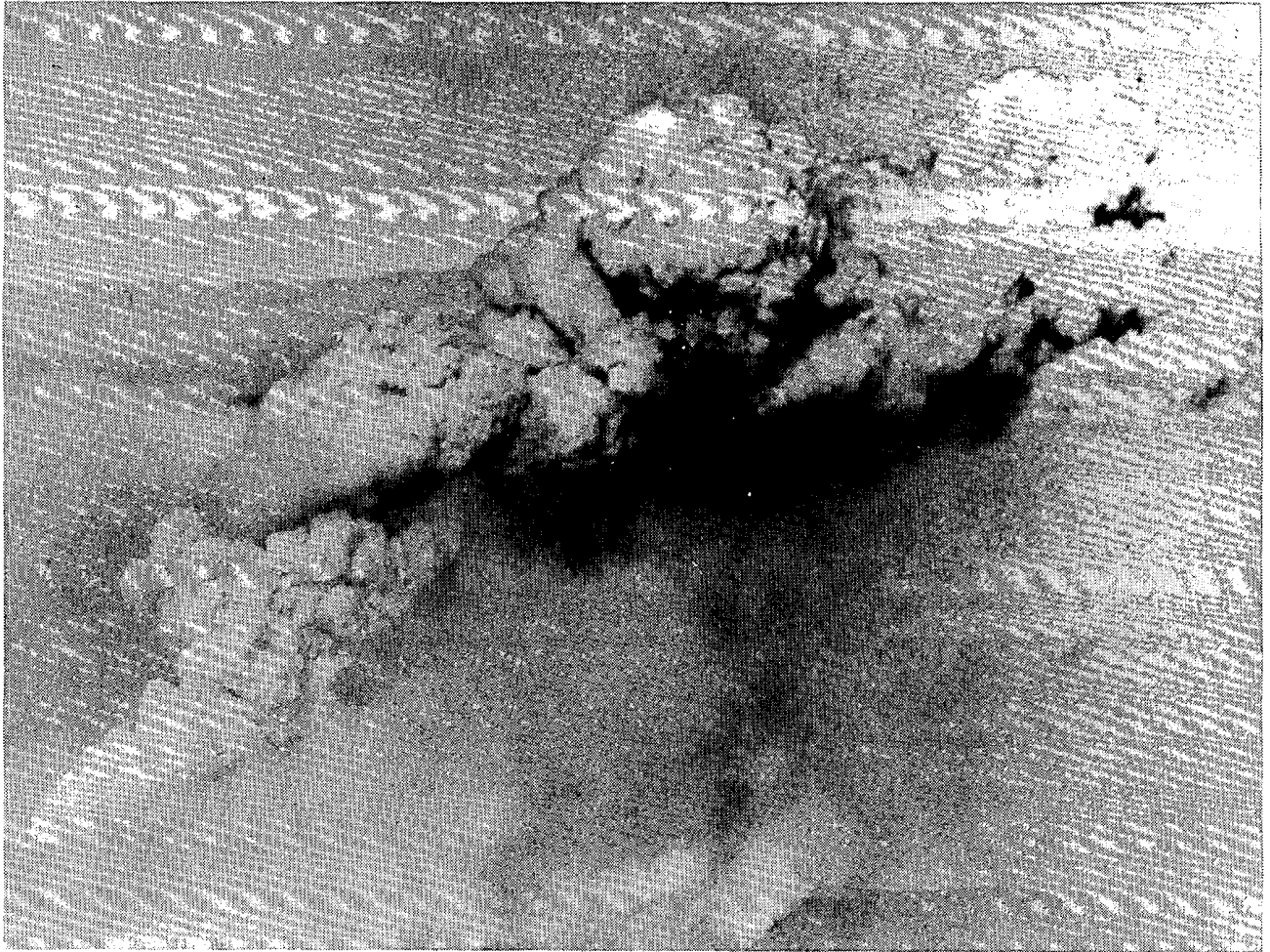
| <u>MAY</u> | <u>JUNE</u> | <u>JULY</u> | <u>AUGUST</u> |
|------------|--|--|---|
| Ohio | Idaho Illinois Iowa Louisiana North Dakota Ohio South Carolina Tennessee Wisconsin | Illinois Iowa Louisiana Mississippi New Jersey (S) New York (C) Ohio Pennsylvania (E) South Carolina Tennessee Virginia Wisconsin | Idaho Illinois Iowa Louisiana North Carolina Ohio South Carolina Tennessee Wisconsin Wyoming |

4. FOREST FIRES In YELLOWSTONE N.P. during July and August, 1988

The most dramatic effect of the 1988 drought were the lightning-ignited fires that burned across large portions of the Northern Rockies and High Plains during July and August, most notably those in Yellowstone National Park. The hot, dry weather during the period created ideal conditions for the initiation and rapid spread of fires that were sparked by generally high-based thunderstorms, storms that provided very little rainfall to possibly help avert the extreme fire hazard conditions. Two major fires in Yellowstone were the Clover-Mist Blaze ignited during July and the Fern Fire which started on August 5th and charred 2000 acres before burning into the Clover-Mist Blaze. There were 88 fires ignited throughout the state of Wyoming alone during the two-month period. Excluding the Yellowstone burns for which information is not yet available, approximately 7800 acres were torched in the state during the two months, at an estimated lost resource value of 780,000 dollars.



Dense black smoke rises from the Shoshone Fire, seen here from across Lewis Lake in Yellowstone.



Smoke billows skyward from a rather intense Yellowstone blaze in the Old Faithful area, adding further to the thick haze that already obscures the sky conditions over the park.



Firefighters from San Bernardino, California stand at the ready as a backburn rages just a few feet in front of them. This particular backburn was set about 1 mile west of West Yellowstone in late August.



Thick smoke rises from fires in the Old Faithful area of the park. The fires, occasionally fueled by 70+ mph winds, at one point threatened the Old Faithful Inn, necessitating the evacuation of all visitors and workers.

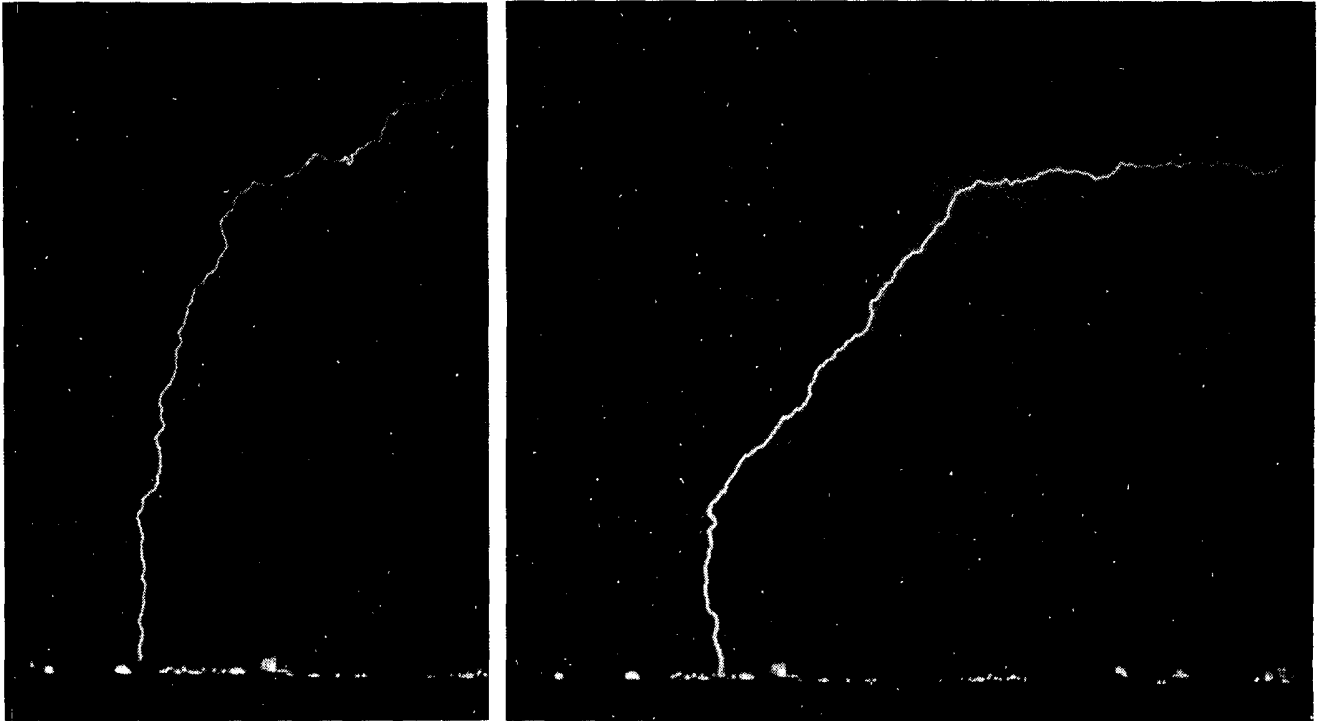


In a post-fire scene, eerie rays of light are cast through the hazy atmosphere of a charred area near Grant Village.

---All photos on pages 22 through 24 by David M. Hansen, The Jackson Hole Guide, Jackson, Wyoming.

5. SEVERE THUNDERSTORMS in PENNSYLVANIA and NEW JERSEY on August 17, 1988

As a cold front pushed southeastward from Canada into and through the Northeast U.S. on August 17th, a strong line of thunderstorms developed during the afternoon and brought damaging thunderstorm winds, heavy rain, hail, lightning and even tornadoes to much of the eastern Pennsylvania and southern New Jersey area. There were three tornadoes, two F2 and one F0, all of which occurred in New Jersey (see tornado map, page 3). One touched down in Trenton and caused significant damage along an intermittent, 4.5 mile long path. There were 16 injuries from thunderstorm winds and one from lightning. Fourteen of the wind-related injuries occurred when a circus tent collapsed in Lavallette along the central New Jersey coast.



Cloud-to-ground lightning strikes arc downward from the base of one of the storms in the line as it moved out over the ocean at Atlantic City, New Jersey during the late evening hours. The Atlantic City skyline appears at the bottom of each photo. ---Both photos by Jack "Thunderhead" Corso of Harrison, New York; copyright 1988.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

1 ALABAMA

| | | | | | | | | | |
|---|------------|--|--|--|---|---|---|---|----------------|
| Chilton County | 02 1200GST | | | | 0 | 0 | 0 | 0 | TSTM Wind |
| A few trees were blown down at Jemison. | | | | | | | | | |
| Shelby County | 02 1210GST | | | | 0 | 0 | 0 | 0 | TSTM Wind |
| Trees were blown down at Montevallo. | | | | | | | | | |
| Cullman County | 02 1331GST | | | | 0 | 0 | ? | 0 | TSTM Wind |
| Trees were blown down at Joppa. One tree was blown across a mobile home. Another tree was blown across a road. | | | | | | | | | |
| Cherokee County | 02 1415GST | | | | 0 | 0 | 0 | 0 | TSTM Wind |
| Trees and power lines were blown down in Centre and in rural areas of Cherokee County. | | | | | | | | | |
| Calhoun County | 02 1425GST | | | | 0 | 0 | 0 | 0 | TSTM Wind |
| Trees and power lines were blown down near Jacksonville. | | | | | | | | | |
| Etowah County | 02 1430GST | | | | 0 | 0 | ? | 0 | TSTM Wind |
| A permanent sign was blown down at an automobile dealership in Gadsden. | | | | | | | | | |
| Fayette County | 02 1455GST | | | | 0 | 0 | ? | 0 | TSTM Wind |
| Thunderstorm winds destroyed a shed in the Bay Lake area near Bankston. | | | | | | | | | |
| Saint Clair County | 02 1510GST | | | | 0 | 0 | ? | 0 | TSTM Wind |
| Thunderstorm winds ripped off an awning and blew down a sign at a service station in Pell City. | | | | | | | | | |
| Lauderdale County | 02 1630GST | | | | 0 | 0 | 0 | 0 | TSTM Wind |
| Several large trees were uprooted in the Florence area. | | | | | | | | | |
| Jefferson County | 03 1320GST | | | | 0 | 0 | ? | 0 | TSTM Wind |
| Numerous trees were blown down in the Alliance Community in western Jefferson County. One tree slightly damaged a home. | | | | | | | | | |
| Jackson County | 03 1715GST | | | | 0 | 0 | ? | 0 | TSTM Wind |
| Several trees were blown down in northern Jackson County. Near Bridgeport thunderstorm winds lifted the roof off a mobile home and blew down two trees. | | | | | | | | | |
| Jefferson County | 03 1730GST | | | | 0 | 0 | ? | 0 | TSTM Wind |
| 03 1740GST | | | | | 0 | 0 | ? | 0 | Hail (1.75) |
| Thunderstorm winds blew down trees along the northwestern edge of Birmingham and in Forestdale. Golfball size hail fell on the eastern perimeter of Birmingham. | | | | | | | | | |
| ALZ-016 Coastal Alabama | 08 0700GST | | | | 0 | 0 | ? | ? | Tropical Storm |
| 09 1800GST | | | | | | | | | Storm |
| Tropical Storm Beryl affected much of the Gulf Coast from Louisiana to the Florida Panhandle before moving inland near New Orleans. In Alabama, numerous squalls and thunderstorms associated with Beryl moved through primarily Mobile and Baldwin Counties at the coast. By early Tuesday, August 9, 1988, twenty-four hour rainfall amounts ranged from 3 inches at Faithhope to nearly 12 inches at Dauphin Island. Other amounts included nearly 5 inches at Gulf Shores and nearly 7 inches at Foley. Sustained winds reached 50 mph at times along the immediate coastline while tides were estimated as high as 3 to 4 feet above normal. There was widespread street and low area flooding in the two coastal counties, although no residences were threatened. Wind damage in the area was minimal with a few trees downed and scattered incidents of broken windows in buildings and vehicles. | | | | | | | | | |
| Jefferson County | 11 1550GST | | | | 0 | 0 | 0 | 0 | TSTM Wind |
| One tree was uprooted and several tree limbs were blown down in Mountain Brook. At about the same time, tree limbs were also blown down about 14 miles south of downtown Birmingham. | | | | | | | | | |

2 ARIZONA

| | | | | | | | | | |
|--|-------------|--|--|--|---|---|---|---|-------------------|
| Maricopa County, Phoenix | 01 2000 MST | | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Microburst winds with rain and small hail knocked down 13 power poles at 23rd and Camelback, resulting in power outages to 14,000 customers. | | | | | | | | | |
| Cochise County, Sierra Vista Bowie | 02 1100 MST | | | | 0 | 0 | 3 | 0 | Flash Flooding |
| Heavy rains left many washes and dips running. About one inch of rain fell in just 25 minutes south of Sierra Vista. | | | | | | | | | |
| Cochise County, Douglas | 07 2100 MST | | | | 0 | 0 | 3 | 0 | Flash Flooding |
| About 1.41 inches fell in less than one hour. Some street flooding was reported in town. | | | | | | | | | |

ARIZONA

| | | | | | | | | | |
|---|-------------|--|--|--|---|---|---|---|------------------------|
| Cochise County, 3 NE Sierra Vista | 10 1350 MST | | | | 0 | 0 | 0 | 0 | Funnel Cloud |
| Funnel cloud lasted several minutes before retreating back into parent cloud. | | | | | | | | | |
| Santa Cruz County, Nogales | 14 1515 MST | | | | 0 | 0 | 5 | 0 | Thunderstorm Wind |
| Strong winds and small hail caused power outages. | | | | | | | | | |
| Pima County, Tucson | 14 1545 MST | | | | 0 | 0 | 6 | 0 | Thunderstorm Wind |
| Roof damaged on at least one home, carport blown away on another home, several storefront windows were blown out, and several power outages in portions of northwest Tucson. | | | | | | | | | |
| Cochise County, Sierra Vista | 14 2000 MST | | | | 0 | 0 | 0 | 0 | Thunderstorm Wind (50) |
| Winds gusted to 58mph at the Aerostat Balloon Site. | | | | | | | | | |
| Graham County, Safford | 15 1600 MST | | | | 0 | 0 | 0 | 4 | Hail |
| Cotton crops damaged by hail. | | | | | | | | | |
| Pima County, Tucson Airport | 17 1914 MST | | | | 0 | 0 | 0 | 0 | Thunderstorm Wind (62) |
| Pinal County, Coolidge | 18 1600 MST | | | | 0 | 0 | 0 | 4 | Hail |
| Cotton crops damaged by hail. | | | | | | | | | |
| Gila County, Lake Roosevelt | 18 1730 MST | | | | 0 | 0 | 3 | 0 | Thunderstorm Wind |
| Northeast winds broke loose a marina and pushed it onshore. A few sheds were destroyed. | | | | | | | | | |
| Pima County, Tucson | 19 1700 MST | | | | 0 | 0 | 4 | 0 | Thunderstorm Wind (65) |
| Gusts to 75mph were clocked at Ryan Field. Several light aircraft damaged. | | | | | | | | | |
| Pima County, Tucson | 20 2100 MST | | | | 0 | 0 | 4 | 0 | Flash Flooding |
| Very heavy downpours struck the central and the northern sections of the city. Numerous streets were closed. Several stalled vehicles. | | | | | | | | | |
| Pinal County, Stanfield | 21 0300 MST | | | | 0 | 0 | 3 | 0 | Flash Flooding |
| Considerable damage occurred to a part of the Central Arizona Project Canal, 18 miles west of Casa Grande. Heavy runoff damaged the concrete canal lining. | | | | | | | | | |
| Cochise County, Sierra Vista | 21 1411 MST | | | | 0 | 0 | 0 | 0 | Funnel Cloud |
| Funnel cloud just to the east of the city limits reported by police and meteorologists. | | | | | | | | | |
| Maricopa County, Phoenix Area | 21 1700 MST | | | | 1 | 0 | 5 | 0 | Flash Flooding |
| About 3 inches of sudden rainfall resulted in flood water entering into the basement of the Sun Ridge Nursing Center in Surprise. Several first-floor apartments were flooded. Water retention basin near 32nd and Union Hills overflowed into 4 homes. Lumberyard near 115th and Sunland flooded causing considerable damage to lumber. Water flowed into 7 homes due to a drainage problem at Indian School and Dysart Road. A bicyclist was swept away by water in the Indian Bend Wash near McDowell Road, Scottsdale. M270 | | | | | | | | | |
| Pima County, Tucson 15W | 21 1800 MST | | | | 0 | 0 | 0 | 0 | Flash Flooding |
| Heavy rains washed out a portion of Ajo Way, west of Ryan Field. | | | | | | | | | |
| Santa Cruz County, Nogales | 23 1300 MST | | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| A few trees were downed by high winds. At least one street was flooded by heavy rains. | | | | | | | | | |
| Pima County, Tucson Area | 23 1409 MST | | | | 0 | 0 | 7 | ? | Thunderstorm Wind (56) |
| Flash Flooding | | | | | | | | | |
| Widespread damage occurred around town, but the strongest reported wind was at the International Airport where 2 small planes were overturned and about a dozen others damaged. Several hangars were damaged. In Tucson, many roofs were damaged, several mobile homes either turned over or heavily damaged, trees and billboards blown down, electrical and telephone service knocked out and traffic signals at about half of the intersections out of service. About 60 power poles downed by winds. Total damage estimated at about \$3,000,000. Many intersections, streets, washes, highway dips and underpasses were flooded. Two persons were rescued by DPS helicopter from the swollen Santa Cruz River. | | | | | | | | | |
| Pima County, Tucson | 24 1330 MST | | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Winds caused power outages in NW Tucson. A 60-ft. tree was blown down onto a house. | | | | | | | | | |
| Cochise County, Sierra Vista | 24 1730 MST | | | | 0 | 0 | 0 | 0 | Thunderstorm Wind (59) |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|--|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|---|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| ARIZONA | | | | | | | | | |
| Yavapai County, Bagdad | 25 | 1420 MST | | | 0 | 0 | ? | 0 | Hail (1.50) |
| Maricopa County, Wickenburg | 25 | 1510 MST | | | 0 | 1 | 3 | 0 | Lightning Man struck by lightning during intense thunderstorm. |
| Yavapai County, Bagdad | 27 | 1100 MST | | | 0 | 0 | 4 | 0 | Flash Flooding |
| Maricopa County, Phoenix | 27 | 1400 MST | | | 0 | 0 | 5 | 0 | Thunderstorm Wind Winds snapped off poles and took a roof off a warehouse. Unofficial reports estimated winds at 90mph in northwest Phoenix, where most of the damage occurred. Visibility was near zero. |
| Pinal County, near Casa Grande | 27 | 1505 MST | | | 2 | 17 | 6 | 0 | Thunderstorm Wind A blinding duststorm moved south to I-10 with near zero visibility. Trucks, cars, and a pedestrian were involved in two separate chain-reaction accidents in both directions. M66V F?M |
| Maricopa County; Tempe, Mesa, and Chandler | 27 | 1930 MST | | | 0 | 0 | 4 | 0 | Thunderstorm wind High winds and rain downed power poles and tore some shingles off homes. |
| Yuma County, Martinez Lake | 28 | 1540 MST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind Very strong thunderstorms formed over the Chocolate Mountains northeast of Yuma, while others formed over Imperial County, CA. The storms merged and resulted in a wall being blown over at Fishers Landing. Winds were estimated between 60 and 70mph. In about 1 hour, 1.97 inches of rain fell. |
| Yuma County, Yuma Airport | 28 | 1600 MST | | | 0 | 0 | 5 | 0 | Thunderstorm Wind (52) Winds blew a roof off an apartment building, some houses lost shingles, and windows were knocked out. Gusts of 58mph were also recorded at Yuma Proving Ground. |
| Pima County, Ajo to Sells | 28 | 2000 MST | | | 0 | 0 | ? | 0 | Flash Flooding Heavy rains resulted in many streets flooded. |
| Pinal County; Florence | 29 | 1645 MST | | | 0 | 0 | 4 | 0 | Flash Flooding, Thunderstorm Wind |
| Apache Junction | 29 | 1930 MST | | | 0 | 0 | 5 | 0 | Thunderstorm Wind Strong winds uprooted trees and blew roofs off at least 2 houses in Florence. Marble-sized hail and rains measuring 1.25 inches in 55 minutes fell in Florence. Considerable damage in Apache Junction due to winds, including the new City Hall. Rural Metro Fire Department reported pea-sized hail covering the ground in east Mesa and Apache Junction. |
| Mohave County, Bullhead City | 29 | 2111 MST | | | 0 | 0 | 4 | 0 | Flash Flooding Thunderstorm Wind Very strong thunderstorms resulted in near-zero visibility in rain. Severe flooding in town as all washes were full or overflowing. Wind speeds of 51mph were measured at the fire station. Many power outages. |
| Maricopa County, 10NW Buckeye | 30 | 1500 MST | | | 0 | 0 | 0 | 3 | Hail |
| 3 ARKANSAS | | | | | | | | | |
| Perry County | 01 | 1215CST | | | 0 | 0 | ? | ? | Thunderstorm Winds Numerous trees were downed by high winds in Perryville. Very heavy rain, up to three inches accompanied the storm. |
| Logan County | 01 | 1230CST | | | 0 | 6 | 5 | 0 | Thunderstorm Winds A violent downburst from a thunderstorm caused substantial damage to a department store in Booneville. The winds, estimated at 80 mph, ripped apart the front canopy of the store and took off part of the roof. A tractor trailer was overturned in the parking lot, with several other vehicles receiving minor damage from flying debris. Nearby, four homes and two mobile homes were also damaged, mainly by fallen trees. None of the six injuries were serious. Damage was estimated to be at least \$100,000. |
| ARKANSAS | | | | | | | | | |
| Van Buren County | 01 | 1400CST | | | 0 | 0 | 3 | ? | Thunderstorm Winds High winds did minor damage to the Clinton Municipal Airport. The door of a hangar was damaged as well as a skylight being blown off the roof. An airplane in the hangar was also damaged. Total damage was less than \$1,000. |
| Pulaski County | 01 | 1555CST | | | 0 | 0 | 0 | 0 | Hail (1.75) Golfball size hail was reported by the Arkansas Highway Police on I-30 near the Pulaski-Saline County Line. Minutes later, nickel size hail was reported by the public in the Geyer Springs Road vicinity. |
| Sevier County | 01 | 1820CST | | | 0 | 0 | 4 | 0 | Thunderstorm Winds In DeQueen, a large pecan tree was blown down onto a late model Mercury automobile. The vehicle was crushed, and two other nearby cars were also damaged. Other trees were also downed around the county as the storm moved through. |
| Jackson County | 03 | 1225CST | | | 0 | 0 | 0 | 0 | Funnel Cloud A funnel cloud was observed over Newport. |
| Faulkner County | 03 | 1500CST | | | 0 | 0 | ? | 3 | Thunderstorm Winds In Conway, a thunderstorm's winds destroyed a storage building on Sales Road. The storm also caused significant damage to a fruit orchard just south of Conway. Up to 200 trees were damaged, many being uprooted. |
| Logan County | 03 | 1520CST | | | 0 | 1 | 0 | 0 | Lightning A 32 year old dairy farmer was struck by lightning inside his barn at a farm near Caulksville. The lightning threw him 15 feet across the barn. The man suffered temporary paralysis, and later had slurred speech and lost part of his vision. |
| Grant County | 04 | 1300CST | | | 0 | 0 | 0 | 0 | Hail (0.88) Nickel size hail was reported by the public ten miles north of Sheridan. |
| Fulton County | 04 | 1330CST | | | 0 | 0 | 5 | 0 | Thunderstorm Winds A 30 by 50 foot sheet metal storage building was completely torn apart by high winds that accompanied a thunderstorm at Agnos. The building housed golf carts and lawn mowers, which were damaged by the storm as winds overturned some and threw others around. Damage was estimated at \$100,000. |
| Columbia County | 04 | 1450CST | | | 0 | 0 | ? | ? | Thunderstorm Winds Trees and power lines were downed by high winds near Magnolia. Besides the trees, windows were blown out of two local businesses and a fireworks stand was blown from its location into an adjacent street. The roof of the Magnolia City Hall also sustained minor damage. |
| Independence County | 04 | 1500CST | | | 0 | 0 | ? | ? | Thunderstorm Winds High winds from thunderstorms knocked down several trees around the county. Several power lines were downed due to downed trees. Marble size hail accompanied the storm in Batesville. |
| Pope County | 06 | 1400CST | | | 0 | 0 | ? | ? | Thunderstorm Winds A violent windstorm accompanied a thunderstorm that moved through Atkins and caused minor damage throughout the town. Several trees were downed, and a large plate glass window at an area gas station was destroyed. |
| Washington County | 06 | 1630CST | | | 0 | 1 | 4 | ? | Thunderstorm Winds A thunderstorm that brought heavy rain to Springdale also spawned winds that ripped off part of a roof of an elementary school, and tore off the top of a restroom at Parsons Stadium. In the stadium parking lot, a power pole was uprooted and dumped onto several vehicles, injuring one woman. The injury was not serious. |
| Sebastian County | 07 | 1200CST | | | 0 | 18 | 0 | 0 | High Heat Excessive heat and humidity overtook at least 18 soldiers who were training at Fort Chaffee during a two-day period. None of the injuries from the heat were serious. The high temperature at Fort Smith on both these days was 104 degrees with heat indices rising well over 110 degrees each day. |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | | | ESTIMATED DAMAGE | CHARACTER OF STORM |
|--|------|-----------------------|---|-----------------------|----------------|---------|----------|-------|------------------|------------------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | | |
| — ARKANSAS | | | | | | | | | | |
| Yell County | 17 | 1400CST | | | 0 | 0 | 5 | ? | | Thunderstorm Winds |
| | | | A severe thunderstorm moved through the southern part of Dardanelle and caused damage at the high school and a nearby mini-mart. At the high school, the roof was damaged by winds and a chain-link fence was blown down. At the mini-mart, the roof was lifted off the back of the building and blown against a fence. Damage was estimated up to \$100,000. Very heavy rain accompanied the storm and contributed to several auto accidents in the area. | | | | | | | |
| Poinsett County | 19 | 1108CST | | | 0 | 0 | 0 | 0 | | Funnel Cloud |
| | | | A funnel cloud was observed near Bay Village, Arkansas. | | | | | | | |
| Carroll County | 20 | 1620CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds |
| | | | A sudden storm downed several trees in Berryville. | | | | | | | |
| Columbia County | 21 | 1400CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds |
| | | | High winds downed trees on U. S. Highway 79 just south of Emerson. Other large trees were uprooted along County Road 209 near Walkerville and along County Road 7. | | | | | | | |
| Clark County | 21 | 1430CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds |
| | | | High winds downed several large trees in Gurdon. | | | | | | | |
| Lafayette County | 21 | 1600CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds |
| | | | Numerous trees were downed by strong winds from a severe thunderstorm that passed through Mount Pleasant. | | | | | | | |
| Miller County | 21 | 1608CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds |
| | | | Several trees were blown down one mile south of Garland. | | | | | | | |
| Columbia County | 21 | 1610CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds |
| | | | A few trees were blown down near Bussey. | | | | | | | |
| Lafayette County | 21 | 1615CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds |
| | | | Several trees were downed by high winds at Canfield. | | | | | | | |
| Saline County | 23 | 1515CST | | | 1 | 0 | 0 | 0 | | Thunderstorm Winds |
| | | | High winds downed a tree onto a car on Arkansas Highway 5 near Benton. The woman inside the car was killed. #47V | | | | | | | |
| Hot Spring County | 23 | 1600CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds |
| | | | A severe thunderstorm moved through Bismarck, downing trees and power lines. | | | | | | | |
| Pike County | 23 | 1808CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds and Hail (0.88) |
| | | | Nickel size hail accompanied high winds which downed several trees at Will Creek. | | | | | | | |
| Hempstead County | 23 | 1815CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds and Hail (0.88) |
| | | | High winds blew down several trees in Belton. Nickel size hail accompanied the storm. | | | | | | | |
| Hempstead County | 23 | 1825CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds |
| | | | High winds blew down trees north of Hope near the Centerville Community. | | | | | | | |
| Howard County | 23 | 1835CST | | | 0 | 0 | ? | ? | | Hail (1.00) |
| | | | Hail up to one inch in diameter fell five miles southwest of Nashville on Buck Range Road. | | | | | | | |
| Sevier County | 23 | 1845CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds |
| | | | A few trees were blown down east of Central. | | | | | | | |
| Little River County | 23 | 1942CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds |
| | | | High winds blew down several trees along Highway 41 north of Foreman. | | | | | | | |
| Lawrence County | 27 | 1816CST | | | 0 | 0 | ? | ? | | Thunderstorm Winds |
| | | | High winds downed trees and power lines at Imboden. The winds were associated with a gust front that was almost 15 miles ahead of the thunderstorm itself. | | | | | | | |
| — ARKANSAS | | | | | | | | | | |
| Lawrence County | 27 | 1942CST | | | 0 | 0 | 0 | 0 | | Funnel Cloud |
| | | | A trained spotter reported a funnel cloud over Walnut Ridge. | | | | | | | |
| 4 CALIFORNIA, Northern — NONE REPORTED | | | | | | | | | | |
| 4 CALIFORNIA, Southern | | | | | | | | | | |
| San Bernardino County, 4N Barstow | 20 | 1305PST | | | 1 | 8 | 4 | 0 | | TSTM Rain |
| | | | A 14-year-old boy was killed and eight people were injured following a chain-reaction collision during a heavy thunderstorm. The accident, involving four vehicles, occurred on Interstate 15 north of Fort Irwin Road, MI4V | | | | | | | |
| San Bernardino County, Calico Ghost Town | 20 | 1400PST | | | 0 | 0 | 5 | 0 | | Flash Flood |
| | | | Numerous thunderstorms were reported throughout the deserts, including one that swept through Barstow and the Calico Mountains. Nearly 2 inches of rain fell in 45 minutes, sending a 2 foot wall of water down a canyon that serves as a parking area below the Calico Ghost Town. 50-60 cars were jostled around like dominoes and covered with mud. Nearly half of a 144-space campground was also wiped out by the flash flood. Most cars suffered extensive water damage. California Highway Patrol reported Interstate 15 was flooded at Minneola Road just southeast of Calico Ghost Town. | | | | | | | |
| San Diego County, Cameron Corners | 20 | 1500PST | | | 0 | 0 | ? | 0 | | Flash Flood |
| Riverside County, Palm Desert and Indian Wells | 20 | 1630PST | | | 0 | 0 | ? | 0 | | Heavy Rain and Flooding |
| San Bernardino County, Parker Dam | 21 | Mrng. | | | 0 | 0 | ? | 0 | | Flash Flood |
| | | | Moderate to heavy thunderstorms early in the morning in Parker Dam and Big River. CAL TRANS reported heavy shoulder erosion from State Highway 62 to Echo Lodge due to flash flooding. | | | | | | | |
| Los Angeles County, Palo Verde | 21 | 1255PST | | | 0 | 0 | 0 | 0 | | Funnel Cloud |
| San Bernardino County, Twentynine Palms | 21 | 1430PST | | | 0 | 0 | ? | 0 | | Flash Flood |
| | | | Sheriff deputies reported Highway 62 blocked by mud at Wilshire Avenue when a flash flood hit. | | | | | | | |
| San Bernardino County, Ludlow | 21 | Aftn. | | | 0 | 0 | ? | 0 | | Flash Flood |
| | | | California Highway Patrol reported a mudslide partially blocked Interstate 40 north of Ludlow due to flash flooding. | | | | | | | |
| San Bernardino County, Earp | 21 | Aftn. | | | 0 | 0 | ? | 0 | | Flash Flood |
| | | | Flash flooding occurred on State Highway 62 between Earp and Vidal Junction causing road washouts. | | | | | | | |
| Orange County | 23 | 2345PST | | | 0 | 0 | 4 | 0 | | TSTM |
| | | | A sudden thunderstorm ripped through central Orange County just before midnight, knocking out power to more than 40,000 homes and businesses. In La Habra, a bowling alley, in the process of a reroofing, suffered extensive water damage after being drenched in a downpour. | | | | | | | |
| San Bernardino County, Cajon Pass | 24 | 0914PST | | | 0 | 17 | 5 | 0 | | TSTM Rain |
| San Bernardino County, Redlands | 24 | Mrng. | | | 0 | 5 | 4 | 0 | | TSTM Rain |
| | | | Sudden, very heavy rainstorms left freeways littered with broken glass and bent metal as blinded motorists slammed into each other on southbound Interstate 15 in the Cajon Pass and on Interstate 10 in Redlands. The chain-reaction crashes injured 22 motorists, four critically, and battered 33 vehicles, California Highway Patrol officials said. Yucca Valley received 1.25 inches of rain in a 24 hour period. | | | | | | | |
| San Bernardino County, Baker | 25 | 2100PST | | | 0 | 0 | 6 | 0 | | TSTM Winds |
| | | | Strong winds from a severe summer thunderstorm, with gusts estimated to 75 mph, battered this small Mojave Desert town. Several mobile homes were damaged, windows at numerous businesses were blown out, and an auto garage was destroyed. Officials estimated damage at \$500,000 to \$1 million. | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED ¹ DAMAGE | | CHARACTER OF STORM |
|--|--|-----------------------|------------------------|-----------------------|----------------|---------|-------------------------------|-------|---|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| CALIFORNIA, Southern | | | | | | | | | |
| Inyo County, Stove Pipe Wells | 26 | 2100PST | | | 0 | 0 | ? | 0 | Flash Flood |
| | Thunderstorm rains caused severe flooding. The flooding occurred at Stove Pipe Wells and the Beatty turnout at U.S. 395 and the road was closed to Furnace Creek. Highway 136 was also closed. | | | | | | | | |
| Imperial County, Winterhaven | 28 | 1718PST | | | 0 | 0 | ? | 0 | TSTM Winds |
| | Thunderstorm winds estimated at 60-70 mph downed electric power poles and forced 15 people to evacuate their trailer homes. | | | | | | | | |
| San Bernardino County, Freeman Gulch | 28 | 1900PST | | | 2 | 0 | 4 | 0 | Flash Flood |
| | A Jeep Cherokee vehicle was swept a mile east of Highway 14 near Freeman Gulch with both occupants killed when heavy thunderstorm activity caused flash flooding in the area. M??V ???V. | | | | | | | | |
| San Bernardino County, Phelan | 29 | Aftn. | | | 0 | 0 | ? | 0 | Flash Flood |
| | Thunderstorms, which dumped up to 2 inches of rain in the Phelan and Wrightwood areas, were blamed for a 60-car Southern Pacific freight train derailment in Phelan after a flash flood washed away a culvert and undermined the tracks. Authorities in Wrightwood reported several flooded homes, lightning strikes, and small brush fires. Sheep Creek Channel had 4 feet of mud across it. | | | | | | | | |
| 5 COLORADO | | | | | | | | | |
| Prowers County, 3N Wiley | 1 | 1500MST | | | 0 | 0 | 4 | 0 | Tstm. winds Strong winds destroyed several hog pens and shelters. Damage was estimated at more than \$30,000. |
| Weld County, Greeley | 3 | 1443MST | | | 0 | 0 | 3 | 0 | Tstm. wind (52) Thunderstorm winds of up to 60 mph caused some tree damage in Greeley. |
| Kit Carson Cy, Stratton | 3 | 1805MST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Larimer County, Fort Collins | 3 | 2100MST | | | 0 | 16 | 5 | 5 | Hail |
| | 3 | 2107MST | | | 0 | 0 | 6 | 5 | Tstm wind (64) |
| | 3 | 2115MST | | | 0 | 0 | 5 | 0 | Heavy rain |
| | A severe thunderstorm smashed through the Fort Collins area between 2055 and 2115. The storm brought over an inch of rain in 15 minutes, causing major, widespread street and basement flooding. Hard marble size hail injured 16 people. Most of them were caught in the open, accidentally locked out of an office building after they left when the fire alarm went off, apparently triggered by lightning. The worst damage was caused by wind. Extremely strong thunderstorm microbursts leveled many trees; 20 were downed on a golf course. A trailer park was hit; five trailers were knocked off their foundations. The wind cut a swath 3½ miles wide from northwest to southeast across the city; most damage was on the southeast side of town. Just south of Fort Collins, corn, hay, bean, and alfalfa crops suffered extensive damage due to both hail and wind. Some farm buildings were damaged by falling trees, and the strong winds blew a chimney off a farmhouse. | | | | | | | | |
| Northeast Fthls. COZ004-011-014 | 3-4 | | | | 0 | 0 | 4 | 0 | Heavy rain 1 to 2 inches of rain fell at many spots in and near the northeastern foothills. In addition to the rain in the Fort Collins area, 2 inches fell in three hours in Jefferson county at Morrison and Wheat Ridge. In El Paso county, heavy rain at Manitou Springs caused \$2300 damage to streets in the area. There were also road washouts at Woodland Park, in Teller county. |
| Costilla County, San Acacio | 5 | aftn. | | | 0 | 0 | 0 | 4 | Lightning Lightning burned 2200 bales of hay near San Acacio. |
| Larimer County, 4W Estes Park | 7 | 1335MST | 0.1 | 25 | 0 | 0 | 0 | 0 | Tornado (F0) A small tornado touched down briefly four miles west of Estes Park. |
| Bent County, McClave | 7 | aftn. | | | 0 | 0 | 4 | 5 | Hail (1.75) Tstm. winds |
| | | | | | 0 | 0 | 5 | 0 | |
| | A severe thunderstorm produced golfball size hail at McClave, in northeastern Bent county. Numerous crops in the area were damaged, including corn, maize, and hay. The hail broke windows in at least one truck. Microburst winds unroofed a school, and damaged homes, vehicles, and a boat. Trees were uprooted, and power lines snapped. Flying tree limbs pierced buildings. 2½ inches of rain fell in just 45 minutes. | | | | | | | | |
| COLORADO | | | | | | | | | |
| Kiowa County, Eads | 8 | evening | | | 0 | 0 | 4 | 4 | Heavy rain 2 to 3 inches of rain fell in Eads, flooding buildings in the town and damaging at least 600 acres of crops. |
| El Paso County, Colorado Springs | 9 | 1300MST | | | 0 | 0 | 6 | 0 | Hail (1.75) Heavy rain |
| | | | | | 0 | 0 | 7 | 0 | |
| | Colorado Springs was battered by hail up to golfball size and as much as 3¼ inches of rain in the hour from 1300 to 1400, although only .04 inch fell at the airport. The northern and south-central parts of the city were hardest hit. Many basements were flooded, and cars on streets were practically submerged. A few were swept away by floodwaters as Fountain Creek rose 4½ feet. Many roofs were damaged by the large hail. Total damage was estimated at 10 million dollars, with the majority of claims made for home flooding. | | | | | | | | |
| Mesa County, Grand Junction | 11 | 1930MST | | | 0 | 0 | 5 | 0 | Tstm winds Thunderstorm induced winds blew for about three hours in the Grand Junction area. A motel roof was severely damaged, and large signs were blown down. Another building was damaged by a fire caused by the wind. |
| Yuma County, Wray | 16 | 1315MST | 0.5 | 30 | 0 | 0 | 3 | 0 | Tornado (F1) A tornado west of Wray caused severe damage to a barn. |
| Yuma County, 6ENE Wray | 17 | 1530MST | 1 | 30 | 0 | 0 | 4 | 0 | Tornado (F1) A tornado caused about \$7000 damage on a farm. A garage was picked up and dropped on the car inside it. A wheel barrow was lifted and carried several hundred yards, coming down on top of a haystack. A barn and satellite dish were also damaged. |
| Denver and Arapahoe Counties, COZ011 | 17 | 1620MST | | | 0 | 0 | 4 | 0 | Heavy rain A thunderstorm dumped 2 to 3 inches of rain in southeast Denver and adjacent areas of Arapahoe county in less than 90 minutes. There was widespread street flooding and Interstate 25 was closed by four feet of water near its intersection with I-225, just south of Denver. A flood control project in Arapahoe county at Greenwood Village sustained over \$10,000 damage. Up to four feet of water flooded some basements in the area. |
| Baca County, Springfield | 18 | 1445MST | | | 0 | 0 | 4 | 0 | Tstm. winds A mobile home was unroofed south of Springfield. |
| Garfield County, Carbondale | 29 | 1730MST | | | 0 | 1 | 4 | 0 | Lightning An asphalt tank was ignited by lightning in Carbondale. One man was injured in the ensuing fire, and the tank and an adjacent trailer were destroyed. |
| 6 CONNECTICUT | | | | | | | | | |
| Tolland County | 12 | 1730EST-1830EST | | | 0 | 0 | 4 | 0 | Lightning Lightning bolts struck homes which resulted in fires in Andover, Hebron, and Coventry. |
| Windham County | 12 | 1800EST-1900EST | | | 0 | 0 | 0 | 0 | TSTM Winds Gusty thunderstorm winds were reported to have knocked down tree limbs and wires in Canterbury. |
| Windham County | 12 | 1800EST-1900EST | | | 0 | 0 | 4 | 0 | Lightning In Putnam, an apartment complex was extensively damaged by a lightning strike. In Plainfield, two garages were damaged by lightning-ignited fires. |
| CTZ001-002-004-005 Western Two-Thirds of the State | 29 | 1600EST-1800EST | | | 0 | 0 | 5 | 0 | Tropical Depression Chris Tropical depression Chris moved north-northeastward across the state from the southwest corner to northern Connecticut accompanied by a short period of very gusty winds. Falling trees and tree limbs knocked out power to 59,000 electric customers statewide. However most of the outages were in western and central sections of the state. Some people did not get their power back for more than 12 hours. |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|----------------------------------|------|-----------------------|------------------------|-----------------------|--|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| 7 DELAWARE | | | | | | | | | |
| Entire State | 1-17 | | | | 0 | ? | ? | ? | Heat Spell |
| | | | | | Maximum temperatures averaged around 90 degrees or higher the first half of the month, Wilmington reached 98 on the 15th, breaking a daily record. | | | | |
| Kent Co, Hartley | 15 | 1900EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind |
| Smyrna | 15 | 1900EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind |
| Sussex Co, Greenwood | 15 | 1945EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind |
| | | | | | Trees and phone poles were reported down in Smyrna and Hartley. | | | | |
| New Castle Co, Wilmington | 17 | 1830EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind |
| | | | | | Windows were blown out of an old school, and the roof was partially blown off. Many branches and trees were downed. | | | | |
| DE2003 Northern DE | 29 | 1100EST | | | 0 | 0 | 4 | 0 | High Winds (42kt) |
| | | | | | The remnants of Tropical Storm Chris produced gusty winds and brief heavy rainfall. Amounts averaged one inch or less, causing minor street flooding. | | | | |
| 8 FLORIDA | | | | | | | | | |
| Pinellas Co., Dunedin | 01 | 1620EST | | | 1 | 1 | 0 | 0 | Lightning |
| | | | | | A 26 year old male was killed when lightning struck the mast of a sailboat he and two friends were trying to get out of the water during a sudden storm. One friend suffered minor injuries. M260. | | | | |
| Bay Co., Panama City Beach | 02 | 1417CST | | | 1 | 0 | 0 | 0 | Lightning |
| | | | | | An eighteen year old male was struck and killed by lightning while on a golf course. M180. | | | | |
| Hernando Co., Brooksville | 04 | 1730EST | | | 1 | 0 | 0 | 0 | Lightning |
| | | | | | A 19 year old male was killed by lightning when lightning struck nearby. The man was standing under an oak tree near a pond. M190. | | | | |
| Lee Co., Fort Myers | 05 | 1630EST | | | 0 | 0 | 3 | 0 | TSTM wind (55) |
| | | | | | High wind destroyed the back porch of a house. | | | | |
| Lee Co., Cape Coral | 05 | 1730EST | | | 0 | 1 | 0 | 0 | Lightning |
| | | | | | A man was injured when lightning struck near him. The man was standing near a pay phone on the outside of a recreation storage building. | | | | |
| Polk Co., Mulberry | 06 | 1730EST | | | 0 | 0 | 3 | 0 | TSTM wind (55) |
| | | | | | High wind uprooted a large tree. | | | | |
| Okaloosa Co., Fort Walton Beach | 08 | 0830CST | | | 0 | 1 | 0 | 0 | Lightning |
| | | | | | A 33 year old man was injured by lightning when lightning struck the building against which he was leaning. | | | | |
| Broward Co., Fort Lauderdale | 10 | 1120EST | | | 0 | 2 | 0 | 0 | Lightning |
| | | | | | A man and a woman were injured by a lightning strike while they were walking along the beach. | | | | |
| Palm Beach Co., Royal Palm Beach | 10 | 1250EST | | | 0 | 2 | 0 | 0 | Lightning |
| | | | | | Two men inside of a garage were struck and injured by lightning. The lightning first struck a nearby truck. | | | | |
| Pinellas Co., St. Petersburg | 14 | 1550EST | 0.5 | 30 | 0 | 0 | 4 | 0 | Tornado (F0) |
| | | | | | A tornado uprooted several trees, tore off the roof of a gas station, downed power lines, and damaged several cars. | | | | |
| Pasco Co., Dade City | 17 | 1700EST | | | 0 | 1 | 0 | 0 | Lightning |
| | | | | | A man was injured by lightning when lightning struck the car on which he was leaning. | | | | |
| FLORIDA | | | | | | | | | |
| Highlands Co., Sebring | 23 | 1415EST | | | 1 | 0 | 0 | 0 | Lightning |
| | | | | | A 28 year old tree surgeon was killed when lightning struck the tree in which he was working. M280. | | | | |
| Pasco Co., rural west part | 29 | 1600EST | | | 0 | 0 | 3 | 0 | TSTM wind (55) |
| | | | | | High wind blew the roof off of a mobile home and also blew a tree down onto a car. | | | | |
| Lee Co., Cape Coral | 30 | 1405EST | | | 0 | 0 | 4 | 0 | TSTM wind (55) |
| | | | | | High wind damaged several screened porches and did minor damage to several roofs. | | | | |
| Sarasota Co., North Port | 30 | 1830EST | | | 0 | 0 | 4 | 0 | TSTM wind (55) |
| | | | | | High wind damaged a screened porch enclosure and also damaged a porch roof. | | | | |
| Hillsborough Co., Tampa | 30 | 1902EST | 1.0 | 30 | 0 | 0 | 5 | 0 | Tornado (F1) |
| | | | | | A tornado damaged an apartment building and two mobile homes, blew a car into a tree, uprooted trees, destroyed sheds and blew out windows of 6 mobile homes. | | | | |
| 9 GEORGIA | | | | | | | | | |
| Bibb County, 4S Macon | 01 | 1505EST | | | 0 | 0 | ? | 0 | TSTM Wind |
| | | | | | Thunderstorm winds blew down several trees 1/2 mile north of the Lewis Wilson Airport. | | | | |
| Peach County, 1E Fort Valley | 01 | 1510EST | | | 0 | 0 | ? | 0 | TSTM Wind |
| | | | | | Trees were blown down onto power lines east of Fort Valley. | | | | |
| Houston County, 3W Warner Robins | 01 | 1530EST | | | 0 | 0 | ? | 0 | TSTM Wind |
| | | | | | A garage roof was blown off by thunderstorm winds. | | | | |
| Pulaski County, 1S Hawkinsville | 01 | 1545EST | | | 0 | 0 | ? | 0 | TSTM Wind |
| | | | | | Trees and power lines were blown down by thunderstorm winds on the south side of Hawkinsville. | | | | |
| Dooly County, 10SW Vienna | 01 | 1620EST | | | 0 | 0 | ? | 0 | TSTM Wind |
| | | | | | Several trees were uprooted and power lines were blown down by thunderstorm winds near Lake Blackshear. | | | | |
| Crisp County, 1E Cordele | 01 | 1630EST | | | 0 | 0 | ? | 0 | TSTM Wind |
| | | | | | Thunderstorm winds downed power poles at a transformer substation on the east side of Cordele. | | | | |
| Fulton County, Atlanta | 01 | 1854EST | | | 0 | 0 | 0 | 0 | TSTM Wind (52) |
| | | | | | Thunderstorm winds were measured at 60 mph at the Fulton County Airport. | | | | |
| Hart County, 3NW Hartwell | 02 | 1545EST | | | 0 | 0 | ? | 0 | TSTM Wind |
| | | | | | Thunderstorm winds damaged and destroyed several outbuildings and blew trees down in the Mount Oliver Community near Hartwell. | | | | |
| Fulton County, Atlanta | 02 | 2005EST | | | 0 | 0 | 0 | 0 | TSTM Wind (52) |
| | | | | | Thunderstorm winds were measured at 60 mph at the Fulton County Airport. | | | | |
| Douglas County, 8S Douglasville | 02 | 2040EST | | | 0 | 0 | ? | 0 | TSTM Wind |
| | | | | | Thunderstorm winds downed some trees in the south-central part of Douglas County. | | | | |
| Gwinnett County, Lawrenceville | 03 | 1730EST | | | 0 | 1 | ? | 0 | Lightning |
| | | | | | A 17 year old man was injured by lightning while talking on a telephone. | | | | |
| Chattooga County, Summerville | 04 | 1450EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | Thunderstorm winds blew plate glass windows out at a car dealership and damaged a couple of trailers. | | | | |
| Madison County, 5NNE Comer | 04 | 1615EST | | | 0 | 0 | ? | 0 | TSTM Wind |
| | | | | | Thunderstorm winds downed trees near Vineyard Church. | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

GEORGIA

| | | | | | | | | |
|----------------------------|--|---|---|---|---|-----------|--|--|
| Trentlen County, Soperton | 04 1700EST | 0 | 0 | ? | 0 | TSTM Wind | | |
| | Large limbs were blown off trees by thunderstorm winds in Soperton. | | | | | | | |
| Cherokee County, Woodstock | 04 1755EST | 0 | 0 | ? | 0 | ISTM Wind | | |
| | Thunderstorm winds downed trees in Woodstock. | | | | | | | |
| Muscogee County, Columbus | 05 1300EST | 1 | 0 | 0 | 0 | Heat | | |
| | A 71 year old man died of heat stroke after mowing the grass at his residence. M710 | | | | | | | |
| Cherokee County, Woodstock | 07 1523EST | 0 | 0 | ? | 0 | TSTM Wind | | |
| | Thunderstorm winds downed two trees near Woodstock. | | | | | | | |
| Gordon County, Calhoun | 07 1530EST | 0 | 0 | ? | 0 | TSTM Wind | | |
| | Thunderstorm winds damaged the roof of a industrial building in Calhoun. | | | | | | | |
| Cobb County, Acworth | 07 1630EST | 0 | 0 | ? | 0 | TSTM Wind | | |
| | Thunderstorm winds downed many trees in Acworth. | | | | | | | |
| Franklin County, Lavonia | 09 1600EST | 0 | 0 | 4 | 0 | TSTM Wind | | |
| | Thunderstorm winds caused \$15,000 damage to the roof of a manufacturing building in Lavonia. | | | | | | | |
| Whitfield County, Dalton | 19 1600EST | 0 | 0 | 3 | 0 | Lightning | | |
| | Lightning caused several thousand dollars in damage to a house, and a car in Dalton. | | | | | | | |
| Dougherty County, Albany | 24 1330EST | 0 | 0 | 4 | 0 | Lightning | | |
| | Two buildings were damaged by lightning in Albany. One, a four unit apartment building suffered moderate damage when the roof was set on fire. The other was a house that was heavily damaged when lightning set it on fire. | | | | | | | |
| Brantley County, Nahunta | 29 1800EST | 0 | 0 | 0 | 4 | Lightning | | |
| | Lightning killed 13 head of cattle in a wooded lot. | | | | | | | |
| Peach County, Powersville | 30 1800EST | 0 | 0 | 4 | 0 | Lightning | | |
| | A home and a workshop were destroyed by lightning-caused fires. | | | | | | | |

10 IDAHO

| | | | | | | | | |
|--------------------------|---|---|----|---|---|-------------------|--|--|
| IDZ ALL Entire State | 1-31 | 0 | 0 | 0 | 6 | Drought | | |
| | Drying forests were associated with extreme fire danger and widespread large wildfires. River flow and reservoir levels were below normal. The potato crop was stressed by higher than normal temperatures. | | | | | | | |
| Oneida Co., Malad City | 3 0855 MST | 0 | 0 | 0 | ? | Hail (.63) | | |
| Lemhi Co., North Fork | 6 1230 MST | 0 | 0 | 5 | 3 | Thunderstorm wind | | |
| | An apparent microburst uprooted trees, blew down trees, and picked up and destroyed several small buildings. Lightning set fire to a roof. Winds estimated between 75 and 100 mph. | | | | | | | |
| Cassia Co., Raft River | 10 1350 MST | 2 | 10 | 5 | 0 | Thunderstorm wind | | |
| | A violent wind and dust storm reduced visibility to zero on Interstate 84, causing an eight vehicle pile-up involving five semi-trucks, two passenger vans and one automobile. Lightning set three range fires. Winds estimated between 55 and 60 mph. M37V, M25V | | | | | | | |
| Custer Co. and Lemhi Co. | 11 afternoon | 0 | 0 | 5 | ? | Lightning | | |
| | Twenty-one lightning fires were set in the Challis National Forest, and nine fires were set in the Salmon National Forest. | | | | | | | |

IDAHO

| | | | | | | | | |
|-------------------------------|--|---|---|---|---|----------------|--|--|
| IDZ-008-006-010 Central Idaho | 12 evening | 0 | 0 | 6 | ? | Lightning | | |
| | Lightning set 130 forest fires. | | | | | | | |
| Idaho Co., Hells Canyon | 24 1500 MST | 0 | 0 | 6 | ? | Wind | | |
| | The Eagle Bar fire blew up and ran two miles into a 12 million board feet stand of timber. | | | | | | | |
| Idaho Co., Fenn | 24 1600-1605 PST | 0 | 0 | 0 | 0 | Hail (?) | | |
| IDZ ALL Statewide | 27-29 | ? | ? | ? | ? | Air Stagnation | | |
| | Smoke from extensive forest fires, collecting under a strong temperature inversion, reduced visibilities below 3-7 miles. | | | | | | | |
| IDZ ALL Statewide | 31 afternoon | 0 | 0 | ? | ? | Windshift | | |
| | Shifting winds caused fires to break through confinement lines on at least four of Idaho's 17 major wildland fires. Twenty-five hundred firefighters were engaged. | | | | | | | |

11 ILLINOIS

| | | | | | | | | |
|----------------------|--|-----------------|-----------------------|--------------------------------|-----------|---------------|--|--|
| ILLZALL Entire State | All Month | 0 | ? | 0 | ? | Drought, Heat | | |
| | Much of the following information was supplied by the Illinois Water Survey, Champaign, Illinois. Over most of Illinois, higher than average temperatures and lower than average rainfall continued the trend that began in April of this year. Temperatures were mostly 4 to 6 degrees higher than average. August rainfall varied from less than 1 inch in the southeast and far southwest, to locally 5 inches in the Moline area and almost 6 inches at Cairo. Southeast of a line from about the Kaskaskia River to Danville less than 2 inches of rain was received and these amounts represented less than 50 percent of the monthly August average. Northwest of that line, rain amounts were generally greater than 2 inches. The northwestern third and the extreme southern tip of the state received more than 3 inches rain. April through August precipitation in Illinois varied between about 40 and 60 percent of the 1951 to 1980 average. The greatest rain totals for the April to August period occurred in two northeast to southwest bands. One band reached from Jerseyville to Ottawa and the other south of a line from Carbondale to Danville. In addition, northeast Illinois received from 60 to 70 percent of the average for the 5 month period. For the summer months of June through August about two thirds of the state received 50 percent or less of average rainfall. Southeast Illinois and an area extending from Rockford to Springfield were hardest hit for lack of rainfall, receiving only about 30 to 40 percent of average for the 3 month summer period. The severe drought of 1988 had not noticeably diminished as of late August, although the impact of the drought to agriculture was essentially over, but only because crops were no longer growing. The drought continued to effect Illinois streams and lakes in August. Record low flows were observed on several streams in the central part of the state, while below average flows were evident throughout the state. Water levels continued to fall at most lakes, though serious supply problems and use restrictions remained to a relative few communities. River levels were unusually low in August all across Illinois, especially in the central part of the state. The average flow for August 1988 was the lowest monthly average ever observed for any month during the period of record for the Kankakee River at Wilmington, the Vermilion River at Leonore, and the Sangamon River at Monticello and the Spoon River at London Mills. In the far northern and the southern parts of the state, moderate rainfall raised flows so that the averages for the month were not so highly ranked in regards to record low flow rates. One extraordinary occurrence reported by the U.S. Geological Survey was a zero flow condition in the Sangamon River at Monticello. This was never observed before in 72 years of records. The following table lists precipitation for selected first order weather reporting stations in Illinois and nearby bordering locations. | | | | | | | |
| | 1988 DROUGHT FOR ILLINOIS | | | | | | | |
| | STATION | AUGUST RAINFALL | DEPARTURE FROM NORMAL | JANUARY 1 - AUGUST 31 RAINFALL | DEPARTURE | | | |
| | DUBUQUE | 3.73 | -0.74 | 13.95 | -13.00 | | | |
| | MOLINE | 4.89 | +1.13 | 16.70 | -10.15 | | | |
| | ROCKFORD | 1.96 | -1.75 | 14.39 | -11.56 | | | |
| | CHICAGO | 3.29 | -0.24 | 15.67 | -7.88 | | | |
| | URBANA | 1.28 | -2.38 | 12.66 | -13.57 | | | |
| | GALESBURG | 2.77 | -1.12 | 14.54 | -13.07 | | | |
| | PEORIA | 2.11 | -1.20 | 11.84 | -12.94 | | | |
| | SPRINGFIELD | 1.56 | -1.64 | 13.20 | -11.03 | | | |
| | ST. LOUIS | 2.31 | -0.24 | 20.19 | -3.95 | | | |
| | PADUCAH | 1.05 | -2.70 | 23.06 | -10.12 | | | |
| | EVANSVILLE | 2.72 | -0.35 | 23.67 | -6.07 | | | |
| | CAIRO | 5.99 | +2.66 | 31.19 | +0.46 | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|---|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| ILLINOIS | | | | | | | | | |
| | | | | | | | | | <p>August excessive heat... monthly temperatures in Illinois averaged about 4 to 6 degrees above average and up to 8 degrees above average centered around the Kankakee area. The first 20 days or so of August were exceptionally hot across the state and many maximum temperature records were set. Some Weather Service cooperative stations scattered across the state, recorded 10 or 11 days during the month when the temperature reached 100 degrees or greater. The weather observing site on the Kaskaskia River Lock in Randolph county of southwest Illinois recorded 13 such days and also recorded a maximum temperature of 109 degrees on the 17th of August which was the highest temperature reached all summer for any location in Illinois. Other notable temperature maximum extremes in August--108 degrees at Piper City on the 16th and 17th, and 107 degrees at Kankakee on the 17th. The maximum temperature at Chicago reached 100 degrees on two separate days in August and marked the 7th day during the summer and the year that the temperature reached 100 degrees or greater--a new all time record for the most 100 degree days recorded in a single year in over 116 years of records. In addition, Chicago reached 90 degrees or higher on 46 separate days during the summer months of June through August and this also tied the all time record for the most 90 degree days for a single year on record. Heat-related fatalities throughout the state during the summer were incomplete; however, the Cook County Coroners Office in Chicago reported 39 heat-related deaths between June 1st and August 19th.</p> |
| SE of Crescent City, Iroquois Co. | 8 | 1530CST | | | 0 | 0 | 4 | 0 | Tstm wind |
| | | | | | | | | | Strong winds did damage to farm buildings southeast of Crescent City. |
| Monmouth, Warren Co. | 8 | 1745CST | | | 0 | 0 | 4 | 0 | Tstm wind |
| | | | | | | | | | A large cattle barn was blown down by high winds and 28 cattle died in the collapsed structure. |
| Freeport, Stephenson Co. | 8 | 1830CST | | | 0 | 0 | 4 | 0 | Tstm wind |
| | | | | | | | | | Severe thunderstorm winds knocked down power lines and trees in Freeport. Power was interrupted to over 6000 utility customers. Large trees that were blown over made some roads impassable for a time. Several power poles were snapped by the high wind. |
| De Kalb, De Kalb Co. | 8 | 2030CST | | | 0 | 0 | 4 | 0 | Tstm wind |
| | | | | | | | | | High thunderstorm winds toppled trees and downed power lines in De Kalb. 3.26 inches of rain fell in a heavy downpour. |
| 4N Rockford, Winnebago Co. | 18 | 1430CST | | | 0 | 0 | ? | 0 | Hail (1.75) |
| Aledo, Mercer Co. | 18 | 1500CST | | | 0 | 0 | 4 | 0 | Tstm wind |
| | | | | | | | | | Severe thunderstorm winds damaged Mercer County Airport. The high winds did considerable damage to a airport hangar and blew a small airplane 150 feet across a nearby road. Two large trees were uprooted in the area. |
| Moline, Rock Island Co. | 18 | 1507CST | | | 0 | 0 | ? | 0 | Tstm wind (54) |
| | | | | | | | | | Severe thunderstorm winds extensively damaged a marina in Moline. Roofs were reported blown off; trees were uprooted and power lines were blown down. Up to 3 inches of rain fell in East Moline. |
| Wheeling, Cook Co. | 18 | 1606CST | | | 0 | 0 | 4 | 0 | Tstm winds |
| | | | | | | | | | High winds blew a roof off an apartment building on Pleasant Run Drive and roof damage occurred to a small factory. |
| Farmington, Fulton Co. | 18 | 1750CST | | | 0 | 0 | 4 | 0 | Tstm winds |
| | | | | | | | | | High winds blew over trees, destroyed a large dairy barn, and snapped some utility poles across the north end of Farmington along East Pearl Street. |
| 12 INDIANA | | | | | | | | | |
| Porter County Valparaiso | 03 | 1430 EST | .20 | 100 | 0 | 0 | 2 | 0 | Tornado (F1) |
| | | | | | | | | | A small tornado touched down briefly and blew the roof off a warehouse and downed trees and power lines. Two cars were damaged when trees fell on them. Powerful winds also ripped the crossing gates off the Conrail crossing on Washington Street. Numerous trees were also downed by strong winds. |
| Monroe County Stanford | 03 | 1624 EST | | | 0 | 0 | 0 | 0 | Tstm Winds |
| | | | | | | | | | Several small and large tree limbs were blown down by strong winds. |
| INDIANA | | | | | | | | | |
| Owen County Spencer | 03 | 1630 EST | | | 0 | 0 | 4 | 0 | Tstm winds |
| | | | | | | | | | Strong winds blew the roof off a barn and deposited it in a field. A machinery storage building was heavily damaged and roofing was torn off a dairy barn and a barn where calves were housed. |
| Monroe County Ellettsville | 03 | 1640 EST | | | 0 | 0 | 0 | 0 | Tstm winds |
| | | | | | | | | | A large tree was blown down blocking State Road 46. Also several large and small tree limbs were blown down. |
| Putnam County, Lieber State Recreation Area | 03 | 1805EST | .15 | 40 | 0 | 0 | 4 | ? | Tornado (F1) |
| | | | | | | | | | A small tornado touched down briefly at the Lieber State Recreation Area in southern Putnam County. Four witnesses saw the tornado move across the ground for 300-400 yards. The tornado struck a boat dock and did about \$40,000 damage to approximately 30 boats. The boat docks were moved about 60 feet. Nearly 300 trees were blown down or snapped off by the tornado. This tornado was associated with a thunderstorm. It was on the ground for only less than a minute. |
| Hancock County Mt. Comfort | 03 | 2030 EST | | | 0 | 0 | 4 | 0 | Tstm winds |
| | | | | | | | | | A small Cessna 150 airplane was overturned by strong winds at the Mt. Comfort Airport. |
| Elkhart County: 3NE Nakarusa | 05 | 1430 EST | | | 0 | 0 | ? | ? | Tstm winds |
| | | | | | | | | | Several large trees down. |
| Goshen | 05 | 1430 EST | | | 0 | 0 | ? | ? | Tstm winds |
| | | | | | | | | | Large tree 3 feet in diameter uprooted in city. |
| Shelby County 10 S Shelbyville | 05 | 1450 EST | | | 0 | 0 | 0 | ? | Tstm Winds |
| | | | | | | | | | Winds estimated near 70 miles an hour blew down limbs 6 to 8 inches in diameter. |
| Lagrange County Lagrange | 05 | 1507 EST | | | 0 | 0 | 3 | 0 | Tstm Winds |
| | | | | | | | | | Trees and power lines were reported downed by strong winds. |
| Wabash County | 05 | 1520 EST | | | 0 | 0 | 3 | 0 | Tstm Winds |
| | | | | | | | | | Numerous trees were reported down in west-central Wabash County. |
| Bartholomew County Jonesville | 05 | 1535 EST | | | 0 | 0 | 4 | 0 | Lightning |
| | | | | | | | | | Lightning ignited a fire on the second story of a house in Jonesville. Total dollar damage was estimated \$25,000-30,000. |
| Jackson County Seymour | 05 | 1624 EST | | | 0 | 0 | 2 | 0 | Lightning |
| | | | | | | | | | Lightning struck a utility pole and traveled down the power lines where it blew the rate box off of a house. The pole was set on fire by the lightning. |
| Clinton County Rural Sheridan | 11 | 1430 EST | | | 0 | 0 | 4 | 3 | Lightning |
| | | | | | | | | | A lightning strike ignited a barn fire near the northwest corner of Hamilton County. The barn was destroyed along with 2,500 bales of straw. Farm machinery in the barn was saved by helpful neighbors. |
| Hamilton County Sheridan | 11 | 1440 EST | | | 0 | 0 | ? | ? | Tstm winds |
| | | | | | | | | | Strong thunderstorm winds blew down trees and power lines throughout the Sheridan area. |
| Howard County: Kokomo | 14 | 1050 EST | | | 0 | 0 | 1 | 0 | Lightning |
| | | | | | | | | | Lightning struck a chimney of a house in Kokomo, causing about \$50.00 damage. |
| Kokomo | 14 | 1114 EST | | | 0 | 0 | 4 | 0 | Lightning |
| | | | | | | | | | Lightning struck a house in Kokomo, resulting in a fire that caused about \$9,000 damage. |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED ¹ DAMAGE | | CHARACTER OF STORM |
|---------------------------------------|------|-----------------------|------------------------|-----------------------|----------------|---------|-------------------------------|-------|---|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| INDIANA | | | | | | | | | |
| Lagrange County Lagrange | 15 | 0155 EST | | | 0 | 0 | 4 | 0 | Tstm Winds |
| | | | | | | | | | Winds recorded to 60 miles an hour blew down numerous trees and power lines. Some automobiles received damage from falling trees. |
| Nobel County Ligonier | 15 | 0211 EST | | | 0 | 0 | 3 | 0 | Tstm Winds |
| | | | | | | | | | Winds estimated at 60 miles an hour blew down trees and power lines. |
| St. Joseph County Osceola | 15 | 0230 EST | | | 0 | 0 | ? | ? | Tstm Winds |
| | | | | | | | | | Strong thunderstorm winds uprooted some trees and blew down some limbs. |
| Elkhart County Elkhart | 15 | 0245 EST | | | 0 | 0 | ? | ? | Tstm Winds |
| | | | | | | | | | Five trees were blown down, blocking roads on the north and west side of the city. |
| Noble County Albion | 15 | 0830 EST | | | 0 | 1 | 3 | 0 | Lightning |
| | | | | | | | | | An 18 year old male was struck by lightning and injured in Albion. Also a house was struck, located next to where the victim was struck. |
| Whitley County Columbia City | 15 | 0900 EST | | | 0 | 0 | 0 | 0 | Hail(1.75) |
| | | | | | | | | | Winds to 60 miles an hour and golf ball size hail was reported. |
| Nobel County | 15 | 0900 EST | | | 0 | 0 | 3 | 0 | Tstm Winds |
| | | | | | | | | | Trees were reported down across 600W and on River Road in Nobel County. |
| Huntington County Roanoke | 15 | 1535 EST | | | 0 | 0 | 0 | 0 | Hail(0.75) |
| | | | | | | | | | Three-quarter inch diameter hail was reported by the Huntington County Sheriff. |
| Wabash County Wabash | 15 | 1635 EST | | | 0 | 0 | 4 | 0 | Tstm Winds |
| | | | | | | | | | Three dozen trees were blown down and some minor damage was done to homes as winds to 64 miles an hour hit Wabash. Power poles and lines were blown down leaving 1000 persons without power. |
| Carroll and Cass Counties | 15 | 1830 EST | | | 0 | 0 | 5 | 3 | Tstm Winds Hail(2.0) |
| | | | | | | | | | Strong thunderstorm winds caused wind damage from about three miles south of Logansport to near Burlington. Winds were estimated between 75 miles an hour and near 100 miles an hour. Approximately thirty to thirty-five, two to five foot diameter trees were either uprooted or snapped at the base of the trunk. Two homes in each town of Deer Creek and Wheeling sustained minor window damage. Hail was reported to be between three-quarter inch and one and a half inches in diameter. Isolated two-inch diameter hail was reported near Young America. Corn crop was severely damaged in these areas. |
| Carroll and Clinton Counties | 15 | 1850-1920 EST | | | 0 | 0 | 5 | ? | Tstm Winds Hail(0.75-1.50) |
| | | | | | | | | | Strong thunderstorm winds extended from south-central Carroll County to northwest Clinton County between 1850 and 1920 EST. Two homes and a large barn on the west side of Flora sustained minor roof and window damage. Severe damage occurred to two large grain silos, an office near the silos and a large structure which housed approximately 1000 chickens one to two and a half miles east of the intersection of county roads 300 west and 400 south or two miles west of Cutler. One home sustained considerable roof and window damage. Approximately forty, two to five foot diameter trees were either snapped or uprooted from Flora to the southwest sections of Carroll County. Hail between 0.75 and 1.5 inches in diameter was observed. Hail accumulated to a depth of 2 to 3 inches over sections of southwest Carroll County. The corn crop was severely damaged in this area. |
| | | | | | | | | | Six motorists traveling on state and county roads in Carroll County were injured due to large trees on roadways. Several motorists drove into fallen trees when visibilities were reduced to near zero in blinding rain, wind and hail. Additional tree damage was noted between Rossville and Mulberry. |
| INDIANA | | | | | | | | | |
| E. Tippecanoe and N. Montgomery Co. | 15 | 1935-2035 EST | | | 0 | 0 | 4 | ? | Tstm Winds Hail(1.0-1.75) |
| | | | | | | | | | Downburst thunderstorm winds estimated to 75 miles an hour were accompanied by hail one inch to one and three-quarter inches in diameter from 4 miles northeast of Lafayette through eastern parts of the city of Lafayette into northern Montgomery County, 5 miles north of Crawfordsville. |
| | | | | | | | | | The greatest damage was from the eastern sections of the city of Lafayette and parts of eastern Tippecanoe County. Several large trees, two to four feet in diameter fell in this area. Trees and large limbs toppled on railroad tracks and on several vehicles within the city limits. Hail near three-quarter inch diameter was reported on the west side of Lafayette. |
| | | | | | | | | | Several two to three foot diameter trees and large tree limbs were snapped or uprooted from Concord in southern Tippecanoe County to New Richmond and Linden in northern Montgomery County between 2000 and 2035 EST. |
| White County Reynolds | 18 | 1615 EST | | | 0 | 0 | 0 | 0 | Tstm Winds |
| | | | | | | | | | Wind estimated between 60 and 45 miles an hour were reported at Reynolds. Marble size hail was also reported with this storm. |
| White County 4 N Monticello | 18 | 1630 EST | | | 0 | 0 | 3 | 0 | Tstm Winds |
| | | | | | | | | | A tree was blown down on a police car. |
| White County 8 N Monticello | 18 | 1638-1700 EST | | | 0 | 0 | 3 | ? | Tstm Winds |
| | | | | | | | | | Strong thunderstorm winds downed numerous trees and large tree limbs near Indiana Beach, from Buffalo to Stika. Damage occurred between 1638 and 1700 EST. Power outages reported in Buffalo. |
| Kosciusko County Milford, Byracuse | 18 | 1725 EST | | | 0 | 0 | ? | ? | Tstm Winds |
| | | | | | | | | | Several large tree limbs were blown down at both locations from strong thunderstorm winds. |
| Jasper County Remington | 18 | 1818 EST | | | 0 | 0 | 0 | 0 | Tstm Winds |
| | | | | | | | | | Amateur radio operator reported winds estimated at 70 miles an hour at Remington in extreme southeast Jasper County. |
| Miami County Peru | 18 | 1952 EST | | | 0 | 0 | 0 | 0 | Flash flooding |
| | | | | | | | | | County sheriff reported flooded underpasses near Peru. |
| Howard County 5 SE Kokoa | 18 | 2030 EST | | | 0 | 0 | 0 | 0 | Tstm Winds |
| | | | | | | | | | Amateur radio operator reported winds of 55 miles an hour and a few limbs 6 inches in diameter were reported down near Hemlock. |
| Bartholomew Co. Columbus | 19 | 1430 EST | | | 0 | 1 | 3 | 0 | Lightning |
| | | | | | | | | | Lightning struck a conduit on a building and traveled along an aluminum ladder. A 40 year old man, construction worker, was injured. He was treated and released from the County Hospital. Lightning also caused numerous power outages in the county. There was damage done to a television set, an attic and a CB tower. |
| Franklin County Oldenburg | 19 | 1830 EST | | | 2 | 0 | 2 | 0 | Flooding |
| | | | | | | | | | A motorist and two youths were swept away in their car when they attempted to drive across a flooded concrete creek crossing. The car floated down the creek and the passengers climbed onto the hood of the vehicle. One child was rescued, but a 41 year old woman and a 4 year old boy were drowned. |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|--------------------------------|------------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| 13 IOWA | | | | | | | | | |
| Sioux County, Hawarden | 03 | 0430 CST | | | 0 | 0 | 3 | 0 | Lightning |
| | | | | | | | | | Lightning struck a house in Hawarden causing damage to the attic due to fire. |
| Cerro Gordo County: Mason City | 03 | 1607 CST | | | 0 | 0 | 2 | 2 | Tstm Winds (62) |
| Mason City | 03 | 1905 CST | | | 0 | 0 | 2 | 2 | Tstm Winds (56) |
| O'Brien County, IN Pringhar | 03 | 2009 CST | | | 0 | 0 | 0 | 0 | Funnel Cloud |
| | | | | | | | | | Isolated thunderstorms occurred over Northwest and North-Central Iowa. What was apparently microburst winds occurred at Mason City. This happened twice. Inspection of the area indicated that little or no damage occurred. Another thunderstorm produced a funnel cloud near Pringhar. |
| Jackson County, Maquoketa | 04 | 1300 CST | | | 0 | 0 | 5 | 3 | Tstm Winds (65) |
| Wapello County, 7NE Ottumwa | 04 | 1315 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (50+) |
| Monroe County, Albia | 04 | 1415 CST | | | 0 | 0 | 5 | 3 | Tstm Winds (50+) |
| Johnson County, Iowa City | 04 | 1455 CST | | | 0 | 0 | 5 | 3 | Tstm Winds (52) |
| Dubuque County, Peosta | 04 | 1545 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (50+) |
| Des Moines County, Sperry | 04 | 1625 CST | | | 0 | 0 | 5 | 3 | Tstm Winds |
| Jackson County, Maquoketa | 04 | 1630 CST | | | 0 | 0 | 4 | 2 | Tstm Winds (50+) |
| | 04 | 1720 CST | | | 0 | 0 | 3 | 0 | Lightning |
| Scott County: Walcott | 04 | 1700 CST | | | 0 | 0 | 3 | 3 | Tstm Winds (50+) |
| Davenport | 04 | 1740 CST | | | 0 | 0 | 3 | 3 | Tstm Winds (50+) |
| Jackson County, Bellevue | 04 | 1750 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (50+) |
| | | | | | | | | | Thunderstorms developed over the southeast third of Iowa. A few of them became severe. Power lines were blown down and a chimney was blown off a roof northeast of Ottumwa. At Albia, winds blew an aircraft hangar across the road at the airport. Two airplanes were damaged there. One was flipped over, the second was damaged by flying debris. Wind damage occurred at Iowa City and Peosta. Maquoketa was struck by two storms. The first storm brought with it winds of around 75 MPH, causing considerable wind damage to trees and buildings. The second storm did further damage, but was not as strong as the first. Lightning struck a garage in Maquoketa and set it on fire. A severe storm moved into the Sperry area of Des Moines County. Winds there downed several trees, and did considerable damage at a trailer park there. The winds downed a barn at Bellevue, killing 40 head of feeder calves. |
| Dickinson County, Spirit Lake | 07 | 1730 CST | | | 0 | 0 | 4 | 4 | Tstm Winds (61) |
| Sioux County, 4SE Hospers | 07 | 1800 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (50+) |
| Plymouth County: 1S LeMars | 07 | 1815 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (75) |
| 3 1/2W Hinton | 07 | 1830 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (50+) |
| Kossuth County, Swea City | 07 | 2100 CST | | | 0 | 0 | 4 | 4 | Tstm Winds (50+) |
| Calhoun County, Rockwell City | 07 | 2140 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (50+) |
| | | | | | | | | | A narrow line of thunderstorms entered Northwest Iowa. Seventy mile an hour winds downed trees in Spirit Lake. About 900 people were without power. Flying debris killed several cattle. Winds of over 85 MPH did considerable damage to a farm south of LeMars. A short time later, damage was done to several outbuildings near Hinton. As the thunderstorms moved southeast, winds overturned a semi-trailer at Rockwell City. |
| Howard County, Davis Corners | 08 | 0130 CST | | | 0 | 0 | 4 | 0 | Lightning |
| | | | | | | | | | Lightning struck a dairy barn at Davis Corners. The barn was set on fire and destroyed. |
| Winnebago County, Decorah | 08 | 1117 CST | | | 0 | 0 | 3 | 0 | Lightning |
| | | | | | | | | | Lightning struck the driveway at a home in Decorah. It blew a hole in the driveway and broke windows in the house. There was also damage done to the electrical outlets in the house. |
| Henry County, 7S Mt. Pleasant | 08 | 1430 CST | | | 0 | 0 | 5 | 4 | Tstm Winds (65) |
| Des Moines County: Garrison | 08 | 1520 CST | | | 0 | 0 | 3 | 4 | Hail (0.75) |
| Vinton | 08 | 1525 CST | | | 0 | 0 | 5 | 4 | Hail (3.00) |
| Poweshiek County, Montezuma | 08 | 1521 CST | | | 0 | 0 | 4 | 4 | Hail (1.75) |
| Cedar County, Tipton | 08 | 1523 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (50+) |
| Clinton County, 2N Clinton | 08 | 1530 CST | 0.5 | 15 | 0 | 0 | 5 | 3 | Tornado (F0) |
| Muscatine County, West Liberty | 08 | 1559 CST | | | 0 | 0 | 4 | 4 | Tstm Winds (50+) |
| IOWA | | | | | | | | | |
| Scott County: Plain View | 08 | 1602 CST | | | 0 | 0 | 4 | 4 | Tstm Winds (50+) |
| Walcott | 08 | 1605 CST | | | 0 | 0 | 4 | 4 | Tstm Winds (50+) |
| Donohue | 08 | 1610 CST | | | 0 | 0 | 4 | 4 | Tstm Winds (65) |
| Linn County, Waubesa | 08 | 1615 CST | | | 0 | 0 | 3 | 3 | Tstm Winds (50+) |
| Union County, Shannon City | 08 | 1630 CST | | | 0 | 0 | 4 | 4 | Hail (2.00) |
| Lucas County, 2N Lucas | 08 | 1645 CST | | | 0 | 0 | 0 | 0 | Funnel Cloud |
| Clinton County, DeWitt | 08 | 1650 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (50+) |
| Iowa County, 2W Williamsburg | 08 | 1720 CST | | | 0 | 0 | 5 | 0 | Lightning |
| Scott County, 17 NW Moline | 08 | 1740 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (50+) |
| Des Moines County, Kossuth | 08 | 2210 CST | | | 0 | 0 | 4 | 0 | Lightning |
| | | | | | | | | | Severe thunderstorms developed rapidly over Southeast Iowa. Most of the reports received were of winds downing trees and power lines. One of the more significant reports was from the Donohue area of Scott County. Winds of around 75 MPH caused structural damage to roofs in the area. Another similar storm produced 75 MPH winds south of Mt. Pleasant. Trees were downed and machine sheds lifted and moved. Hail was also common with these storms. Most notable was at Vinton, where 3-inch diameter hail fell. Golfball size hail fell at Montezuma, with larger than golfball size falling at Shannon City. Only one tornado occurred. That was north of Clinton. A barn was demolished, along with several outbuildings. A funnel cloud was reported north of Lucas. Lightning did its share of damage. A barn was destroyed by fire at Kossuth, in Des Moines County. Another lightning strike destroyed a farm house by fire in Iowa County, west of Williamsburg. |
| Des Moines County, Burlington | 15 Morning | | | | 1 | 0 | 0 | 0 | Heat |
| | | | | | | | | | The intense heat over Iowa resulted in a man dying of heat stroke in his home in Burlington. Heat M68P |
| Cedar County, Tipton | 18 | 1410 CST | | | 0 | 0 | 5 | 3 | Tstm Winds (65) |
| Scott County, Bettendorf | 18 | 1500 CST | | | 0 | 0 | 5 | 3 | Tstm Winds (54) |
| Lee County, 3W West Point | 18 | 1630 CST | | | 0 | 0 | 4 | 0 | Lightning |
| Des Moines County, Burlington | 18 | 1630 CST | | | 0 | 0 | 5 | 3 | Tstm Winds (50+) |
| | | | | | | | | | Intense thunderstorms developed over East-Central and parts of Southeast Iowa. As they moved through the Tipton area, winds of 75 MPH downed numerous power lines and trees. Bettendorf was also hard hit with winds. Roofs were damaged in the area. Trees and power lines were also downed. A thunderstorm uprooted several trees in Burlington and destroyed several outbuildings on the edge of town. Lightning struck a barn in Lee County, setting it on fire. |
| Linn County, Mt. Vernon | 18 | 1845 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (50+) |
| | | | | | | | | | An isolated thunderstorm developed over Linn County during the early evening hours. This storm produced winds that downed many trees in Mt. Vernon. |
| O'Brien County, 2W Faullina | 21 | 2145 CST | | | 0 | 0 | 3 | 0 | Lightning |
| Cherokee County, Cherokee | 21 | 2202 CST | | | 0 | 0 | 3 | 0 | Lightning |
| Sioux County, Sioux Center | 21 | 2315 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (52) |
| Cherokee County, Marcus | 22 | 0002 CST | | | 0 | 0 | 3 | 4 | Hail (1.75) |
| | 22 | 0002 CST | | | 0 | 0 | 3 | 2 | Tstm Winds (50+) |
| O'Brien County, Southern Part | 22 | 0030 CST | | | 0 | 0 | 3 | 2 | Tstm Winds (50+) |
| Plymouth County, LeMars | 22 | 0100 CST | | | 0 | 0 | 4 | 4 | Tstm Winds (50+) |
| Greene County, Jefferson | 22 | 0105 CST | | | 0 | 0 | 3 | 3 | Hail (1.00) |
| Crawford County, Vail | 22 | 0215 CST | | | 0 | 0 | 3 | 2 | Tstm Winds (50+) |
| Ida County, Ida Grove | 22 | 0230 CST | | | 0 | 0 | 5 | 3 | Tstm Winds (50+) |
| Webster County, Port Dodge | 22 | 0240 CST | 0.5 | 25 | 0 | 0 | 5 | 2 | Tornado (F1) |
| | | | | | | | | | A large area of thunderstorms moved into Northwest Iowa around midnight. Most of the damage that occurred was due from strong winds. Trees were downed in several areas, causing scattered power outages. Golfball size hail fell in Cherokee County, while 1-inch diameter hail fell in Greene County. A farmstead was damaged at LeMars by the strong winds. There was one early morning tornado. It occurred in the Port Dodge area. Considerable damage was done to trees in the area. Quite a bit of roof damage was done to several homes. There were several lightning strikes from these storms. Lightning struck a barn in O'Brien County, setting it on fire and destroying 1500 bales of hay. Lightning struck a house in Cherokee. Although there was not a fire, damage was done to the interior walls of the home. |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

| IOWA | | | | | | | | | | |
|---|----|----------------------|-----|----|---|---|---|---|------------------|--|
| Mills County, Kingsley | 22 | 0300 CST | 0.5 | 20 | 0 | 0 | 5 | 3 | Tornado (F0) | A small tornado touched down briefly near Hastings. The storm that produced it was a southwest extension of the storm that moved into Northwest Iowa. On the farmstead near Hastings, several buildings were destroyed, one of them carried 1/4 mile across a field. Surrounding trees and buildings on the farmstead were untouched. |
| Plymouth County, Kingsley | 22 | 0530 CST | | | 0 | 0 | 3 | 0 | Lightning | Lightning struck a barn in Kingsley, setting it on fire. |
| Linn County, Mt. Vernon | 22 | 0630 CST | | | 0 | 0 | 3 | 0 | Lightning | Lightning struck a house in Mt. Vernon, causing minor damage. |
| Pottawattamie County, Council Bluffs | 22 | 1155 CST | | | 0 | 0 | 4 | 2 | Tstm Winds (55) | |
| Montgomery County, 1/2S Grant | 22 | 1230 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (50+) | |
| Cass County, 4S Griswold | 22 | 1255 CST | | | 0 | 0 | 4 | 3 | Tstm Winds (50+) | |
| Adams County, 4 1/2 W Mt. Etna to 2N Mt. Etna | 22 | 1330 CST to 1338 CST | 4.2 | 50 | 0 | 0 | 5 | 3 | Tornado (F1) | |
| Lucas County, Russell | 22 | 1530 CST | | | 0 | 0 | 4 | 0 | Lightning | A severe thunderstorm struck the Council Bluffs area with winds of 65 MPH. This storm continued to move east. A tornado touched down in Adams County. Many trees and power lines were downed. A barn and machine shed were destroyed on one farm. A double attached garage was torn off a house in Washington Township. Winds in Cass County destroyed some outbuildings and uprooted several trees. Lightning struck a house in Russell, causing considerable damage due to fire. Winds did considerable damage to a barn and several machine buildings south of the Grant area. |
| Lee County, Fort Madison | 22 | 1823 CST | | | 0 | 0 | 3 | 0 | Lightning | Lightning struck a house in Fort Madison, causing minor damage. |
| All of Iowa | | All Month | | | 0 | 0 | 0 | 9 | Drought | Drought conditions that began during the Spring continued well into August. In fact, the hottest weather of the season occurred during the month of August in many areas. Damage was not as severe in dollar amounts during the month, since considerable damage had already been done in June and July. Significant rainfall did occur on the 21st and 22nd, with one to three inches common. For the most part, the rain came too late to do any good for the crops. At month's end, about 43% of the corn crop, nearly 40% of the soy bean crop and 41% of the oat crop was lost. Additional damage during August was between \$650,000,000 and \$700,000,000. For the summer, crop damage was estimated at around \$3.5 Billion. |

| 14 KANSAS | | | | | | | | | | |
|----------------------|----|---------|--|--|---|---|---|---|----------------------------|---|
| Thomas Co. Levant | 03 | 1925CST | | | 0 | 0 | 3 | 3 | TSTM Wind (52) | |
| Colby | 03 | 1930CST | | | 0 | 0 | 3 | 3 | TSTM Wind (52) | |
| Sherman Co. Goodland | 03 | 1935CST | | | 0 | 0 | 3 | 3 | TSTM Wind (56) | Scattered severe thunderstorms developed ahead of a cold front across far northwest Kansas. Strong winds produced minor damage to buildings and crops in the area. |
| Logan Co. 2SW Oakley | 07 | 1830CST | | | 0 | 0 | 3 | 3 | TSTM Wind | Strong thunderstorms moved through northwest Kansas during the evening hours. A severe thunderstorm produced strong winds that moved a shed off its foundation and downed several trees southwest of Oakley. Marble size hail also accompanied the storm. |
| Harper Co. Attica | 08 | 1615CST | | | 0 | 0 | 4 | 0 | TSTM Wind | |
| Kingman Co. Kingman | 08 | 1652CST | | | 0 | 0 | 4 | 0 | TSTM Wind (52), Hail (1.0) | |
| McPherson Co. Galva | 08 | 1829CST | | | 0 | 0 | 2 | 3 | TSTM Wind (52) | |
| 1E Galva | 08 | 1840CST | | | 0 | 0 | 2 | 3 | TSTM Wind (52) | |

| KANSAS | | | | | | | | | | |
|---|---------|---------|--|--|---|---|---|---|----------------------------|--|
| Smith Co. Smith Center | 11 | 1615CST | | | 0 | 0 | 4 | 4 | TSTM Wind (50), Hail (1.5) | Severe thunderstorms developed across portions of central and south-central Kansas during the late afternoon hours, producing strong winds and hail. A severe storm moved across Attica with strong, straight-line winds that brought considerable roof and window damage to commercial and residential buildings in the area. A severe thunderstorm also moved across Kingman with strong winds and large hail. Strong winds from the storm caused major damage to a large cement building, throwing the roof several hundred feet. Other damage to roofs and trees, and hail up to one inch in diameter were reported in several areas of Kingman. Another severe thunderstorm produced strong, straight-line winds that did minor damage in the Galva area. |
| Thomas Co. 5N Oakley | 12 | 0120CST | | | 0 | 0 | 3 | 0 | TSTM Wind | A severe thunderstorm produced strong winds that tore part of a roof off a shed at the junction of Interstate 70 and Highway 83 north of Oakley. |
| Stevens Co. Woods | 12 | 1645CST | | | 0 | 0 | 4 | 0 | TSTM Wind | A severe thunderstorm formed southeast of Hugoton and moved through the town of Woods, producing strong straight-line winds. Two mobile homes were destroyed and there was considerable damage to two fertilizer tanks and several irrigation sprinklers. |
| Mitchell Co. 5E Beloit | 13 | 0100CST | | | 0 | 0 | 4 | 0 | TSTM Wind | A severe thunderstorm produced strong winds that damaged three empty grain bins. The damage from the storm was estimated at \$25,000. |
| Rice Co. Lyons | 17 | 1530CST | | | 0 | 0 | 3 | 0 | TSTM Wind (74) | A severe thunderstorm produced a localized downburst of very strong winds at the Lyons airport. A wind gust of 85 mph was reported at the airport, but only caused minor damage to a hangar. In the city of Lyons, a small metal shed was destroyed. The storm also downed a large tree and caused a few power outages. |
| Ford Co. 1W Spearville | 18 | 1600CST | | | 0 | 0 | 3 | 0 | TSTM Wind | An isolated intense thunderstorm produced strong winds that downed several power poles west of town. No other damage was reported in the area. |
| Seward Co. Kismet | 25 | 0000CST | | | 0 | 0 | 3 | 0 | TSTM Wind | A severe thunderstorm produced strong straight-line winds that blew the roof off a building and damaged an irrigation sprinkler. |
| SPECIAL HAIL SUMMARY | | | | | | | | | | |
| Kansas-Oklahoma Hail Loss Service reports indicate hail was especially damaging to crops in the listed counties on the following dates: | | | | | | | | | | |
| 04 | Haskell | | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS ESTIMATED DAMAGE | | | | CHARACTER OF STORM |
|---|------|-----------------------|------------------------|-----------------------|--|---------|----------|-------|------------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| 15 KENTUCKY | | | | | | | | | |
| Carlisle Co. | 01 | 1400CST | | | 1 | 0 | 0 | 0 | Lightning |
| | | | | | Willis Carter, 67, of Arlington was struck by lightning and killed while mowing a yard. | | | | |
| Pendleton Co. | 03 | 1330EST | | | 0 | 0 | 5 | 0 | Thunderstorm Wind |
| | | | | | Winds gusting to 60 mph blew down trees and power lines one mile south of Morgan. Several homes and barns in the area were damaged when trees fell on them. | | | | |
| Mercer Co. | 03 | 1430EST | | | 0 | 0 | 5 | 0 | Lightning |
| | | | | | Lightning destroyed a house near Harrodsburg. No one was home when the lightning struck. | | | | |
| Fayette Co. | 03 | 1430EST | | | 0 | 0 | 5 | 0 | Thunderstorm Winds |
| | | | | | Winds gusting above 60 mph blew part of the roof off an apartment complex in southeast Lexington. Also trees and power lines in the area were blown down. | | | | |
| Grant Co. | 03 | 1730EST | | | 0 | 3 | 0 | 0 | Lightning |
| | | | | | Three men attending the Grant County fair in Williamstown were struck by lightning. All three were in different locations at the fair grounds. They were taken to the Grant County Hospital, treated and released. | | | | |
| Bath Co. | 05 | 2100EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | | | | | Winds gusting above 60 mph heavily damaged two trailers and blew down several trees near Moores Ferry. | | | | |
| 16 LOUISIANA | | | | | | | | | |
| Jefferson Parish: Gretna Metairie | 01 | 1355CST | | | 0 | 0 | 2 | 0 | TSTM Wind |
| | 01 | 1422CST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | Thunderstorm wind gusts damaged several large trees and caused roof damage in Gretna. In Metairie, thunderstorm wind gusts broke windows in a small shopping center. | | | | |
| Webster Parish: Sibley Sibley | 01 | 1945CST | | | 0 | 0 | 0 | ? | Hail (1.00) |
| | 01 | 1945CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Claiborne Parish, Old Athens | 01 | 2000CST | | | 0 | 0 | 2 | 0 | TSTM Wind |
| | | | | | Thunderstorm wind gusts downed several trees near Sibley and Old Athens. | | | | |
| Natchitoches Parish, Cypress | 03 | 1515CST | | | 0 | 0 | ? | 0 | TSTM Wind |
| | | | | | Thunderstorm wind gusts downed four large trees near Cypress. | | | | |
| Tensas Parish, 5 W Lake Bruin | 03 | 2000CST | | | 0 | 0 | 0 | ? | Hail (0.88) |
| Sabine Parish, Converse | 04 | 1225CST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | Thunderstorm wind gusts downed several trees, and damaged a mobile home and carport. | | | | |
| Jefferson Davis Parish, Jennings | 06 | 1600CST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| | | | | | Thunderstorm winds ripped the roof off a commercial building. Damage was estimated at \$15,000. | | | | |
| LAZ001-005-007-008 009-010-011-012 013-014 Southern and Western Louisiana | 07- | 1800CST | | | 0 | 0 | 5 | ? | Tropical Storm Beryl |
| | 12 | 1200CST | | | | | | | |
| | | | | | An area of thunderstorms which had persisted over the extreme northern Gulf of Mexico and southeast Louisiana for several days was classified as a tropical depression on the evening of Sunday, Aug 7, 1988. The depression was upgraded to Tropical Storm Beryl at 0500CST Monday, Aug 8, 1988 with the center over extreme southeast Louisiana. Beryl was unusual in that much of its circulation was over land during its formation stage. Tropical Storm Beryl drifted slowly east and southeast over Lake Borgne and the Mississippi Sound on Aug 8th with sustained wind speeds of 40 to 50 knots over the open water. During the early morning hours of Aug 9th the storm moved to the west passing across the New Orleans area shortly before daybreak and by 1600CST the storm was downgraded to a tropical depression with the center just southwest of Baton Rouge. During the next 36 hours the storm moved west-northwest through south Louisiana before turning northwest into northeast Texas. | | | | |
| LOUISIANA | | | | | | | | | |
| St. Tammany Parish, Sun | 14 | 1900CST | | | 0 | 0 | 4 | 0 | Lightning |
| | | | | | A lightning strike started a fire which destroyed a mobile home. | | | | |
| Terrebonne Parish, S Chauvin | 15 | 2000CST | | | 0 | 0 | 5 | 0 | Lightning |
| | | | | | Lightning struck a 50,000 gallon oil storage tank setting it ablaze. | | | | |
| Lafourche Parish, Leeville | 16 | 1400CST | | | 0 | 0 | 0 | 0 | Funnel Cloud |
| Caddo Parish, Shreveport | 18 | 1730CST | | | 0 | 1 | 0 | 0 | Lightning |
| | | | | | A man on a golf course was injured when he was struck by lightning. | | | | |
| Caddo Parish 3 W Dixie | 19 | 1735CST | | | 0 | 0 | 0 | ? | Hail (1.00) |
| 5 SE Oil City | 19 | 1740CST | | | 0 | 0 | 0 | ? | Hail (1.00) |
| Dixie | 19 | 1745CST | | | 0 | 0 | 2 | 0 | TSTM Wind |
| Bossier Parish, 1 SW Alden Bridge | 19 | 1800CST | | | 0 | 0 | 0 | ? | Hail (1.00) |
| | | | | | Severe thunderstorms produced hail over extreme northwest Louisiana. Trees were downed by strong thunderstorm wind gusts near Dixie. | | | | |
| LaFourche Parish, Thibodeaux | 21 | 1330CST | | | 0 | 3 | 0 | 0 | Lightning |
| | | | | | Three boys, age 12, 14, and 16, were injured when lightning struck a tree they were standing under while fishing along Bayou Lafourche. One boy had burns to his hip and leg as he was leaning against the tree. Injuries were relatively minor and all three were released from the hospital the following day. | | | | |
| Calcasieu Parish, DeQuincy | 21 | 1956CST | | | 0 | 0 | 4 | 0 | Lightning |
| | | | | | Two homes were damaged by fire started by lightning strikes. Damage was estimated at \$35,000. | | | | |
| Jefferson Parish, Barataria | 22 | 1240CST | | | 0 | 0 | 0 | 0 | Waterspouts, Funnel Cloud |
| | | | | | Several waterspouts and a funnel cloud were observed over Lake Salvador. | | | | |
| LAZ001-LAZ006 North and Central Louisiana | 01- | | | | 0 | 0 | ? | ? | Drought |
| | 31 | | | | Substantial rainfall of 3 to 5 inches fell across central and extreme northwest Louisiana during the month, alleviating surface soil moisture deficiencies and providing relief to some crops. The area from just east of Shreveport to the Mississippi River continued quite dry with monthly rainfall averaging 1 to 2 inches with isolated greater amounts near the Mississippi border. This area has received only around 50% of the normal rainfall since the beginning of the growing season on April 1. Mississippi River stages remained quite low during the month, but were up slightly from the extremely low stages in July. Saltwater intrusion along the river south of New Orleans had retreated southward due in part to the increased flow and to the construction of a saltwater barrier near Myrtle Grove. | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|---|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|---|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| 17 MAINE | | | | | | | | | |
| Washington Co. Danforth | 03 | 2200EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm winds blew down trees and disrupted electrical service. |
| Aroostook Co. New Sweden, Caribou, Washburn and Presque Isle | 04 | 1555EST | | | 0 | 0 | 5 | 0 | TSTM Wind |
| | | | | | | | | | Wind gusts from thunderstorms blew down trees and power lines. |
| Aroostook Co. Monticello and Bridgewater | 04 | 1620EST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm winds knocked down trees and power lines. |
| Penobscot Co. Stetson | 05 | 1545EST | | | 0 | 0 | 5 | 0 | Lightning |
| | | | | | | | | | Lightning struck a barn on Route 222 setting it on fire. The fire destroyed the barn and its contents, including an antique auto and heirlooms. |
| Oxford Co. Sumner | 13 | Evening | | | 0 | 0 | 4 | 0 | TSTM Wind |
| | | | | | | | | | A thunderstorm produced winds that uprooted several huge trees. Some power lines were also knocked down. |
| Cumberland Co. Falmouth, Portland, So. Portland, Cape Elizabeth and Scarborough | 24 | 1900 to 25 | | | 0 | 0 | 5 | 0 | High Wind |
| | | 0400EST | | | | | | | Stiff winds peaking around 40 MPH raked coastal areas, snapping limbs, causing power outages and pushing boats ashore, including a 35,000-ton military ship brimming with weapons, ammunition and fuel. |
| Cumberland Co. New Gloucester and Gray | 29 | 1500 to 1510EST | | | 0 | 0 | 5 | 0 | High Wind |
| | | | | | | | | | A powerful wind associated with the remnants of tropical storm Chris, ripped through a small rural neighborhood on Crystal Lake, knocking down more than a dozen large trees, damaging at least four homes and several automobiles and leaving 10,000 people in five communities without electricity. |
| 18 MARYLAND and D.C. | | | | | | | | | |
| Washington Co, Hagerstown | 15 | 1617EST | | | 0 | 0 | ? | ? | Thunderstorm Wind (52kt) |
| Washington Co, Hagerstown | 15 | 1630EST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| Frederick Co, Brunswick | 15 | 1635EST | | | 0 | 1 | ? | 0 | Thunderstorm Wind |
| Carroll Co | 15 | 1640EST | | | 0 | 0 | ? | ? | Thunderstorm Wind (43kt) |
| Harford Co | 15 | 1650EST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| Baltimore Co, Baltimore | 15 | 1700EST | | | 0 | 2 | ? | 0 | Thunderstorm Wind |
| Montgomery Co, Darnestown | 15 | 1710EST | | | 0 | 0 | ? | ? | Thunderstorm Wind (58kt) |
| District of Columbia | 15 | 1710EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind (55kt) |
| Prince Georges Co: | | | | | | | | | |
| Mitchellville | 15 | 1744EST | | | 0 | 0 | 3 | 0 | Thunderstorm Wind |
| Camp Springs | 15 | 1745EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind (50kt) |
| Baltimore Co, Martin Airport | 15 | 1745EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind (48kt) |
| Anne Arundel Co, Annapolis | 15 | 1800EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind |
| Queen Annes Co, Kent Island | 15 | 1820EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind (62kt) |
| | | | | | | | | | Trees and power lines were snapped in Washington and Baltimore counties. In Harford County, 10 power lines were downed, as well as a number of trees. Montgomery County was the hardest hit, with many trees downed. Some 200 power lines were downed in Montgomery and Prince Georges County. A construction trailer was blown over in Mitchellville. |
| 19 MASSACHUSETTS | | | | | | | | | |
| Northern Worcester County | 12 | 0430EST-0530EST | | | 0 | 0 | 4 | 0 | Lightning |
| | | | | | | | | | An early morning thunderstorm brought damaging lightning strikes to Leominster and Templeton. A fire which resulted from a bolt of lightning striking a tree next to a home in Leominster caused \$7,500 damage. The steeple was knocked off a church in Templeton. |
| Northern Worcester County | 12 | 0500EST-0530EST | | | 0 | 0 | 0 | 0 | TSTM Winds |
| | | | | | | | | | Trees were uprooted along several streets in Phillipston. |
| Northern Worcester County, Leominster | 12 | 0500EST-0530EST | | | 0 | 0 | 4 | 0 | TSTM Winds (50+ kts) |
| | | | | | | | | | Several large trees were blown down by strong thunderstorm winds. |
| Bristol County | 12 | 1830EST-1930EST | | | 0 | 1 | 4 | 0 | Lightning |
| | | | | | | | | | Lightning struck and injured a firefighter in Rehoboth while he was fighting a housefire. A house was also struck by lightning in North Attleboro and suffered an estimated \$20,000 damage. Another bolt of lightning struck the radio tower at the Rehoboth Police Station, knocking out the town's communication system. |
| Essex County | 14 | 1230EST-1330EST | | | 0 | 0 | 4 | 0 | ISTM Winds |
| | | | | | | | | | Gusty winds accompanying an early afternoon thunderstorm knocked down trees and tree limbs in West Newbury and Haverhill. Power failures were reported in parts of Newburyport, Newbury, West Newbury, Haverhill, and Rowley. A fire engine was damaged by a falling tree and a number of streets were blocked by fallen trees and tree limbs. |
| Essex County | 14 | 1300EST | | | 0 | 0 | 0 | 0 | Hail |
| | | | | | | | | | Hail was reported in West Newbury. |
| MARYLAND and D.C. | | | | | | | | | |
| Entire State and District of Columbia | 1-20 | | | | 1 | ? | ? | ? | Heat Spell |
| | | | | | | | | | Daytime temperatures averaged well into the 90's, with several readings over 100. Washington, DC equalled a 1980 record for 21 consecutive days 90° or higher. A 32 year old construction worker died from the heat at Baltimore-Washington International Airport late in the day on the 17th. |
| Calvert Co, Dares Beach | 18 | 0030EST | | | 0 | 0 | 3 | 0 | Thunderstorm Wind |
| | | | | | | | | | Some trees were downed, tobacco barn doors were ripped open and a cement wall was blown down. |
| Cecil Co, North East | 24 | 2013EST | | | 0 | 0 | 5 | 0 | Lightning |
| | | | | | | | | | Lightning hit a fireworks building, which exploded and set 5 other buildings on fire. |
| MDZ002-003-004 -005-006 Northern and Eastern MD, and District of Columbia | 29 | 1055EST | | | 0 | 0 | 6 | ? | High Winds |
| | | | | | | | | | Remnants of Tropical Storm Chris moved into the area during the late morning and early afternoon. Strong winds, heavy rains and isolated thunderstorms accompanied the system. BWI Airport recorded 35 knots, and DC's National Airport had 41 knots. Fifty to sixty power lines were downed in Cecil County. Mobile home and truck traffic was halted on the Chesapeake Bay Bridge due to winds estimated at 70 mph. More than 100 boats in Anne Arundel County were severely damaged by winds estimated at 80 knots. Boats were also damaged on Kent Island. Rainfall averaged 1 to 2 inches. |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|--|------------------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| MASSACHUSETTS | | | | | | | | | |
| Northern Berkshire County | 14 | 2100EST-2200EST | | | 0 | 0 | 3 | 0 | TSTM Winds |
| | | | | | | | | | Thunderstorm winds knocked down tree limbs and wires, causing scattered power outages. |
| Berkshire County, Pittsfield | 14 | 2156EST | | | 0 | 0 | 3 | 0 | TSTM Winds (50+ kts) |
| | | | | | | | | | Thunderstorm winds blew down large trees and power lines. |
| Berkshire County, Williamstown | 14 | 2325EST | | | 0 | 0 | 4 | 0 | TSTM Winds (50+ kts) |
| | | | | | | | | | Several reports of large tree limbs down due to strong thunderstorm winds. |
| 20 MICHIGAN | | | | | | | | | |
| Wayne Co. | July 17-August 6 | | | | 10 | 0 | 0 | | Heat |
| | | | | | | | | | 10 deaths were directly due to heat stroke. An estimated 100 others were due to complications associated with excessive heat. |
| 2 W De Tour, Chippewa Co. | 01 | 0100EST | | | 0 | 0 | 4 | | Lightning |
| | | | | | | | | | A house was destroyed by fire. A woman was slightly injured while making her escape. |
| Ironwood and Wakefield, Gogebic Co. | 01 | 1858EST | | | 0 | 0 | 0 | | Hail(0.88) |
| Rockland, Ontonagon Co. | 01 | 1954EST | | | 0 | 0 | 0 | | TSTM Wind |
| | | | | | | | | | Large trees and power lines were blown down. |
| Roseville, Macomb Co. | 02 | 1730EST | | | 0 | 0 | 0 | | Hail(1.75) |
| 2 S Mt. Clemens, Macomb Co. | 02 | 1800EST | | | 0 | 0 | 4 | | TSTM Wind |
| | | | | | | | | | 2 mobile homes were rolled over and an apartment building unroofed. Power outages occurred in several surrounding communities. |
| Marquette Co. near Sands, Marquette Co. | 02 | 1815EST | | | 0 | 0 | 3 | | TSTM Wind |
| | 02 | 1835EST | | | 0 | 0 | 0 | | Hail(1.75) |
| | | | | | | | | | Trees falling on lines caused a major power outage throughout the area. Several forest fires were set by lightning. |
| 10 SW Monroe, Monroe Co. | 02 | 1915EST | | | 0 | 0 | 2 | | TSTM Wind |
| | | | | | | | | | Large branches and power lines were blown down. |
| Roscommon Co. | 03 | 1340EST | | | 0 | 0 | 2 | | TSTM Wind (51) |
| Montmorency Co. | 03 | 1400EST | | | 0 | 1 | 2 | | TSTM Wind |
| Southeast Gladwin Co. Oceda Co. | 03 | 1315EST | | | 0 | 0 | 2 | | TSTM Wind |
| | 03 | 1520EST | | | 0 | 0 | 2 | | TSTM Wind |
| Arenac Co. | 03 | 1530EST | | | 0 | 0 | 2 | | TSTM Wind |
| Bay Co. | 03 | 1550EST | | | 0 | 0 | 3 | | TSTM Wind |
| | | | | | | | | | 1 person was injured by flying glass at Houghton Lake. Many trees and power lines were blown down. Boats were overturned on Houghton and Higgins Lakes. Freeways were blocked by fallen trees, and several cars were blown off the roads. Several lightning fires and small hail were reported in Arenac Co. |
| near Vandalia, Cass Co. | 03 | 1410EST | | | 0 | 0 | 3 | | TSTM Wind |
| | | | | | | | | | Several trees were down, one damaged a cottage at Donnel Lake. |
| Southwest Barry Co. | 03 | 1415EST | | | 0 | 0 | 0 | | Hail(0.75) |
| Gaucha Co. | 03 | 1530EST | | | 0 | 0 | 1 | | TSTM Wind |
| Clare Co. | 03 | 1545EST | | | 0 | 0 | 2 | | TSTM Wind |
| | | | | | | | | | Numerous trees and power lines were blown down. |
| near Skidway, Ogemaw Co. | 03 | 1615EST | | | 0 | 0 | 2 | | TSTM Wind |
| | | | | | | | | | Trees and power lines were down near Skidway Lake. |
| MICHIGAN | | | | | | | | | |
| Roseville, Macomb Co. | 03 | 1647EST | | | 0 | 0 | 0 | | Hail(1.75) |
| Macomb Co. | 03 | 1655EST | | | 0 | 0 | 0 | | TSTM Wind (52) |
| | | | | | | | | | Large branches were blown down and an apartment building was unroofed in and near Mt. Clemens. |
| near Alma, Gratiot Co. | 03 | 1800EST | | | 0 | 0 | 0 | | TSTM Wind |
| | | | | | | | | | Trees were blown down. |
| extreme southeast, Monroe Co. | 03 | 1915EST | | | 0 | 0 | 2 | | TSTM Wind |
| | | | | | | | | | Large tree branches and power lines were blown down. |
| 15 NW Ironwood, Gogebic Co. | 03 | 2115EST | 0.2 | 20 | 0 | 0 | 0 | | Tornado(F0) |
| | | | | | | | | | Many trees were down and grass was flattened in a small area near Little Girls Point. The funnel spout had been seen earlier to the west in Wisconsin. |
| Roscommon Co. Airport | 04 | 1340EST | | | 0 | 0 | 0 | | TSTM Wind (51) |
| Grayling, Crawford Co. | 04 | 1415EST | | | 0 | 0 | 2 | | TSTM Wind |
| | | | | | | | | | Trees and power lines were down. |
| Northeast Roscommon Co. | 04 | 1430EST | | | 0 | 0 | 0 | | TSTM Wind |
| | | | | | | | | | There was heavy tree damage. |
| Troy, Oakland Co. | 04 | 1415EST | | | 0 | 0 | 4 | | TSTM Wind |
| Warren & Roseville, Macomb Co. | 04 | 1430EST | | | 0 | 0 | 0 | | Hail(1.75) |
| Detroit, Wayne Co. | 04 | 1500EST | | | 0 | 0 | 0 | | Flash Flood |
| | | | | | | | | | A store was partially unroofed in Troy. Winds were estimated 60 mph. Flooded freeways in Detroit led to numerous auto accidents. |
| 6 NW Dexter, Washtenaw Co. to 2 S Pinckney, Livingston Co. | 04 | 1440EST | 0.6 | 400 | 0 | 0 | 5 | | Tornado(F1) |
| | | | | | | | | | The funnel was seen by several witnesses touching down on Portage Lake. It moved northwest across a row of lakeside houses destroying 1, doing heavy damage to 2 others and moderate damage to 5. |
| 4 W Grayling, Crawford Co. | 04 | 1740EST | | | 0 | 0 | 3 | | TSTM Wind |
| | | | | | | | | | A large oak tree was uprooted, damaging a mobile home. |
| Alpena, Montmorency, Oscoda and Presque Isle Counties | 05 | 1158 to 1315EST | | | 0 | 0 | 4 | | TSTM Wind |
| | | | | | | | | | Large trees were blown down across roads and power lines at scattered locations throughout the area. A wind gust to 56 mph occurred at Presque Isle Lighthouse at 1315EST. Part of the roof was torn from Onaway High School and damaged several vehicles. |
| Ashley, Gratiot Co. | 05 | 1205EST | | | 0 | 0 | 3 | | Lightning |
| | 05 | 1205EST | | | 0 | 0 | 3 | | TSTM Wind (70) |
| | | | | | | | | | Numerous large trees were blown down. The wall of a building was blown out. A lightning-set fire destroyed a barn. |
| 9 WSW Hastings, Barry Co. | 05 | 1235EST | | | 0 | 0 | 3 | | TSTM Wind |
| | | | | | | | | | 6 trees were uprooted and fell on houses. 2 cars were turned over and docks thrown around by winds estimated more than 80 mph. Boats were wrecked. |
| Mason, Ingham Co. | 05 | 1320EST | | | 0 | 1 | 4 | | Lightning |
| | | | | | | | | | A man working on an outdoor waterline was injured. Several buildings were set afire. There was heavy damage at the county fair. |
| Elsie, Clinton Co. | 05 | 1350EST | | | 0 | 0 | 3 | | TSTM Wind |
| | | | | | | | | | A barn was blown down. The wind was estimated at 80 MPH. Several minor fires were started by lightning. |
| 5 S Tuscola, Tuscola Co. | 05 | 1400EST | | | 1 | 0 | 0 | | Lightning |
| | | | | | | | | | A man working on a car was struck. M240 |
| Bedford, Calhoun Co. | 05 | 1405EST | | | 0 | 0 | 2 | | TSTM Wind |
| | | | | | | | | | Trees were blown down; parts of roofs were blown off. |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

MICHIGAN

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|---|----|-----------------|-----|-----|---|---|---|--|----------------|
| Shiawassee and Genesee Counties | 05 | 1410EST | | | 0 | 0 | 3 | | TSTM Wind |
| Wind was estimated 80 mph in Lennon. Several trees were downed by wind or lightning in Onosso. There was an unconfirmed funnel cloud report in Flint. A road west of Davison was blocked by a fallen tree. | | | | | | | | | |
| White Pigeon, St. Joseph Co. | 05 | 1430EST | | | 0 | 0 | 4 | | Lightning |
| A van conversion shop was destroyed by fire. 8 firefighters were injured. | | | | | | | | | |
| Sunfield, Eaton Co. | 05 | 1430EST | | | 0 | 0 | 0 | | TSTM Wind (56) |
| 2 to 3 foot diameter trees were blown down. | | | | | | | | | |
| Independence Twp., Oakland Co. | 05 | 1430EST | | | 0 | 0 | 4 | | Lightning |
| A house was severely damaged by fire. | | | | | | | | | |
| 1 N Sturgis, St. Joseph Co. | 05 | 1445EST | | | 0 | 0 | 0 | | TSTM Wind |
| Several large trees were blown down. | | | | | | | | | |
| 2 W Clarkston, Oakland Co. | 05 | 1507EST | 0.5 | 50 | 0 | 0 | 0 | | Tornado(F0) |
| The funnel touched down briefly at Interstate 75 and the Dixie Highway. It kicked up some debris and stopped traffic, and then lifted. There were many subsequent reports of a funnel aloft over the area to the east and northeast. | | | | | | | | | |
| Leslie, Ingham Co. | 05 | 1510EST | | | 0 | 0 | 2 | | TSTM Wind |
| Trees and power lines were blown down. | | | | | | | | | |
| Northeast Branch Co. Southwest Jackson Co. | 05 | 1535EST | | | 0 | 0 | 0 | | TSTM Wind |
| Many trees were blown down. There were two unconfirmed reports of funnel clouds, and radar showed a suspicious echo, but there was no evidence of tornadic damage. | | | | | | | | | |
| Ann Arbor, Washtenaw Co. | 10 | 1830EST | | | 0 | 2 | 0 | | Lightning |
| 2 men loading a car onto a trailer were struck and temporarily paralyzed. An unconfirmed funnel cloud was reported in the vicinity. | | | | | | | | | |
| Albion, Calhoun Co. | 12 | evening | | | 1 | 0 | 0 | | Heat |
| Young man died of heat stroke during football practice. M170 | | | | | | | | | |
| 3 S Onaway, Presque Isle Co. to 3 SSW Tower, Cheboygan Co. | 12 | 1325 to 1412EST | 5.1 | 40 | 0 | 0 | 0 | | Tornado(F1) |
| A swath of trees was blown down. The funnel was seen by a spotter and radar indicated a tornado. | | | | | | | | | |
| 1 S Lachine to 3 SW Lachine, Alpena Co. | 12 | 1450 to 1510EST | 3.3 | 70 | 0 | 0 | 4 | | Tornado(F1) |
| A barn, 2 silos, and many trees were blown down. Radar indicated a tornado. | | | | | | | | | |
| Alpena Airport, Alpena Co. | 12 | 1528EST | | | 0 | 0 | 0 | | TSTM Wind (52) |
| Alpena, Alpena Co. | 12 | 1536EST | | | 0 | 0 | 0 | | Hail(1.00) |
| 3 S Alpena, Alpena Co. | 12 | 1540EST | | | 0 | 0 | 0 | | Hail(1.00) |
| An unoccupied aircraft was blown across the ramp. | | | | | | | | | |
| Tri-cities Airport, Saginaw Co. | 12 | 1749EST | | | 0 | 0 | 0 | | TSTM Wind (70) |
| Essexville, Bay Co. | 14 | 1700EST | | | 0 | 0 | 1 | | TSTM Wind |
| Unionville, Tuscola Co. | 14 | 1730EST | | | 0 | 0 | 2 | | TSTM Wind |
| Several trees were blown down, a garage was destroyed and a camper flipped over. | | | | | | | | | |
| Port Sanilac, Sanilac Co. | 14 | 1935EST | | | 2 | 1 | 2 | | TSTM Wind |
| Two campers died and one was injured when trees fell on tents in Forester Park. M330 F260 | | | | | | | | | |
| 5 NNE Ionia to 4 NE Ionia, Ionia Co. | 14 | 2030EST | 1.0 | 240 | 0 | 1 | 4 | | Tornado(F1) |
| 4 barns and 15 cattle were destroyed. 3 houses were damaged. Crops were flattened and trees toppled along a narrow northwest-to-southeast path. Debris was spread northeast. The funnel was seen and a whistling sound heard. The track was to the south-southeast, but most debris was spread east. One man was slightly injured when a tree fell on the truck he was driving. | | | | | | | | | |

MICHIGAN

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|--|----|-----------------|------|-----|---|---|---|--|-------------|
| Clinton Co. | 14 | 2050EST | | | 0 | 0 | 3 | | TSTM Wind |
| A barn and several trees were blown down, and a camper was overturned. | | | | | | | | | |
| Near Otsego, Allegan Co. to Yankee Springs, Barry Co. | 14 | 2144EST | | | 0 | 0 | 3 | | TSTM Wind |
| Several trees were down and a house damaged near Otsego. 20 trees were uprooted at Yankee Springs. There were several unconfirmed funnel clouds reported in the vicinity but no evidence of tornadic damage. | | | | | | | | | |
| East Lansing, Ingham Co. to 1 N Gregory, Livingston Co. | 14 | 2156 to 2225EST | 25.6 | 125 | 1 | 0 | 6 | | Tornado(F2) |
| The funnel touched down near Harrison and Trowbridge roads in East Lansing. A warehouse was unroofed and a wall blown from the Amtrack station in that area. It then crossed the MSU experimental farm. 5 houses were unroofed and a garage was destroyed 2 miles southwest of Okemos. Most of the track beyond that point was through open fields. 2 rooms were torn from a house near Dansville. A barn was blown down and 11 cattle were destroyed 4 miles north of Stockbridge. A man was killed when a tree fell on a camper 2 miles north of Stockbridge. A tree was blown down across a road north of Gregory. The funnel then lifted and was seen aloft near Unadilla. Forward speed was 53 mph. | | | | | | | | | |
| Albion, Calhoun Co. | 14 | 2243EST | | | 0 | 0 | 3 | | TSTM Wind |
| A museum was partly unroofed. | | | | | | | | | |
| Lansing, Ingham Co. | 14 | 2245EST | | | 0 | 0 | 2 | | TSTM Wind |
| Several trees were blown down. | | | | | | | | | |
| Lawton, Van Buren Co. | 14 | 2300EST | | | 0 | 1 | 3 | | TSTM Wind |
| A girl was injured when the roof of a mobile home collapsed. | | | | | | | | | |
| Van Buren Co. Kalamazoo Co. | 14 | 2305EST | | | 0 | 0 | 3 | | TSTM Wind |
| Kalamazoo, Kalamazoo Co. | 14 | 2315EST | | | 0 | 1 | 0 | | Lightning |
| 10 E Battle Creek, Calhoun Co. | 14 | 2330EST | | | 0 | 0 | 2 | | TSTM Wind |
| Hillsdale Co. | 14 | 2335EST | | | 0 | 0 | 2 | | TSTM Wind |
| Edwardsburg, Cass Co. | 14 | 2340EST | | | 0 | 0 | 2 | | TSTM Wind |
| St. Joseph Co. | 14 | 2345EST | | | 0 | 0 | 2 | | TSTM Wind |
| Branch Co. | 14 | 2350EST | | | 0 | 0 | 0 | | TSTM Wind |
| Hillsdale Co. | 14 | 2400EST | | | 0 | 0 | 3 | | TSTM Wind |
| Gusts were estimated 60-70 mph in some areas but generally 30-50 mph even in areas of the damage listed below. Many trees were blown down, 5 mobile homes were damaged and the roof was blown off a house. A man startled by lightning fell and was injured. Several minor fires were started by lightning. | | | | | | | | | |
| SE Livingston Co. | 14 | 2320EST | | | 0 | 0 | 0 | | TSTM Wind |
| SW Oakland Co. | 14 | 2325EST | | | 0 | 0 | 0 | | TSTM Wind |
| Western and Southern Wayne Co. | 14 | 2330EST | | | 0 | 0 | 3 | | TSTM Wind |
| Washtenaw Co. | 14 | 2335EST | | | 0 | 0 | 0 | | TSTM Wind |
| Many trees were blown down. A church was unroofed in Westland. Several cars were crushed by falling trees in the Downriver suburbs of Detroit. A house was damaged on Grosse Ile. | | | | | | | | | |
| Sanilac Co. | 15 | 0100EST | | | 0 | 0 | 3 | | TSTM Wind |
| Many trees were blown down. Vehicles and mobile homes were damaged. | | | | | | | | | |
| Farrington, Oakland Co. | 15 | 1059EST | | | 0 | 0 | 0 | | TSTM Wind |
| Western Wayne Co. Ann Arbor, Washtenaw Co. | 15 | 1110EST | | | 0 | 0 | 0 | | TSTM Wind |
| Adrian, Lenawee Co. | 15 | 1140EST | | | 0 | 0 | 0 | | TSTM Wind |
| Gust estimates averaged 49 mph and ranged up to 60 mph. Several trees were blown down and some tree tops were broken off. Small hail fell at several locations and there was an unconfirmed report of a funnel cloud. | | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | | | ESTIMATED DAMAGE | CHARACTER OF STORM |
|--|------|-----------------------|------------------------|-----------------------|----------------|---------|----------|-------|-------------------------|--|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | | |
| MICHIGAN | | | | | | | | | | |
| Marquette, Marquette Co. | 16 | 0415EST | | | 0 | 0 | 0 | | Hail(1.00) | |
| Marquette Co. Airport | 16 | 0810EST | | | 0 | 0 | 0 | | TSTM Wind (52) | A large tree was blown down nearby. |
| Clare Co. | 16 | 0815EST | | | 0 | 0 | 0 | | TSTM Wind | |
| Gladwin Co. | 16 | 0830EST | | | 0 | 0 | 0 | | TSTM Wind | |
| Isabella Co. | 16 | 0930EST | | | 0 | 0 | 0 | | TSTM Wind | |
| Middleton, Gratiot Co. | 16 | 0950EST | | | 0 | 0 | 0 | | Hail(0.75) | |
| Gratiot Co. | 16 | 0950EST | | | 0 | 0 | 0 | | TSTM Wind | Numerous large trees were blown down. There were 4 unconfirmed funnel cloud reports and 1 report of small hail in and near the area. |
| Marquette, Marquette Co. | 16 | 0835EST | | | 1 | 0 | 3 | | TSTM Wind (56) | A man drowned when his 14-foot boat was swamped by waves on Lake Superior. Trees larger than 1 foot in diameter were blown down. M55V |
| Ibbbard Lake, Alcona Co. | 16 | 0845EST | ? | ? | 0 | 0 | 2 | | Waterspout-Tornado (FO) | Several waterspouts were seen on the lake. One moved onshore damaging boat hoists and tipping picnic tables. |
| Emmet Co. | 16 | 1015EST | | | 0 | 0 | 3 | | TSTM Wind | |
| Charlevoix Co. | 16 | 1030EST | | | 0 | 0 | 0 | | TSTM Wind | Many large trees were blown down. A house was unroofed near Petoskey. 2 houses were damaged at Harbor Springs. Small hail was reported at Boyne Falls. An unconfirmed funnel cloud was reported near the area. Gusts were measured at 40 mph at the Pellston Airport, 47 mph at the Mackinac Bridge. |
| 1 E Westphalia, Clinton Co. | 16 | 1015EST | | | 0 | 0 | 0 | | Funnel Cloud | |
| Shiawassee Co. | 16 | 1030EST | | | 0 | 0 | 0 | | TSTM Wind | |
| Livingston Co. | 16 | 1030EST | | | 2 | 0 | 0 | | TSTM Wind | |
| Ann Arbor Airport, Washtenaw Co. | 16 | 1039EST | | | 0 | 0 | 0 | | TSTM Wind (55) | 2 men drowned when their small boat capsized on Zukey Lake near Hamburg. Many large trees were blown down. The funnel cloud near Westphalia was photographed. There were 5 unconfirmed funnel cloud reports in and near the area. M51V M25V |
| Republic, Marquette Co. | 16 | 1715EST | | | 0 | 0 | 0 | | Hail(1.50) | |
| 16 SSE Marquette, Marquette Co. | 16 | 1800EST | | | 0 | 0 | 0 | | TSTM Wind | |
| Marquette Co. | 16 | 1955EST | | | 0 | 0 | 0 | | TSTM Wind (54) | |
| Newberry, Luce Co. | 16 | 2100EST | | | 0 | 0 | 3 | | Lightning | |
| Sullivan, Schoolcraft Co. | 16 | 2140EST | | | 0 | 0 | 0 | | Hail(1.75) | |
| Mackinac Co. | 16 | 2155EST | | | 0 | 0 | 0 | | TSTM Wind | |
| 2 E Naubinway, Mackinac Co. | 16 | 2200EST | 0.6 | 65 | 0 | 0 | 0 | | Tornado(F1) | Trees more than 2 feet in diameter were blown down in Marquette County. Numerous trees were also down in Mackinac County. The tornado cut a continuous, sharply-defined path from northwest to southeast through a forested area across U.S. Highway 2. |
| Houghton Co. | 16 | 2210EST | | | 0 | 0 | 0 | | TSTM Wind | |
| L'Anse, Baraga Co. | 16 | 2215EST | | | 0 | 0 | 2 | | TSTM Wind | Trees 8" to 24" in diameter were blown down. A house in L'Anse was damaged. |
| Montcalm Co. | 16 | 2300EST | | | 0 | 0 | 0 | | TSTM Wind | Several large limbs were broken off. |
| Grand Marais, Alger Co. | 16 | 2305EST | | | 0 | 0 | 0 | | TSTM Wind (72) | |
| Onaway, Presque Isle Co. | 16 | 2400EST | | | 0 | 0 | 0 | | TSTM Wind | Several large limbs were broken off. |
| MICHIGAN | | | | | | | | | | |
| Munising, Alger Co. | 17 | 0500EST | | | 0 | 1 | 2 | | TSTM Wind | A woman was injured when a tree fell on a camper. |
| Isabella Co. | 17 | 1725EST | | | 0 | 0 | 0 | | TSTM Wind | Many trees were blown down. Gusts were estimated at 60 to 70 mph in Mt. Pleasant. In Shepherd 3 houses suffered major damage. A garage was blown off its foundation, windows were blown out of a house and a mobile home was flipped over. |
| 1 NE Drayton Plains, 2 E Drayton Plains, Oakland Co. | 17 | 1730EST | 1.0 | 35 | 0 | 0 | 4 | | Tornado(F1) | The funnel touched down on the southwest shore of Schoolhouse Lake, knocking down several trees and damaging roofs. The track was to the southeast, but one large tree fell to the northeast. Windows exploded from one house. It moved along the west shore of Silver Lake doing minor damage to trees. Many windows were broken and several cars damaged by flying glass at an auto dealership on Dixie Highway. |
| Breckenridge, Gratiot Co. | 17 | 1738EST | | | 0 | 0 | 0 | | TSTM Wind | Gusts estimated at 70 mph blew down several large trees and a barn. |
| Mason Co. | 17 | 1800EST | | | 0 | 0 | 0 | | TSTM Wind | |
| Lake Co. | 17 | 1820EST | | | 0 | 0 | 0 | | TSTM Wind | |
| N and E Newaygo Co. | 17 | 1835EST | | | 0 | 0 | 2 | | TSTM Wind | |
| NW Montcalm Co. | 17 | 1850EST | | | 0 | 0 | 3 | | TSTM Wind | |
| NE Kent Co. | 17 | 1943EST | | | 0 | 0 | 2 | | TSTM Wind | Gusts were estimated as high as 70 mph. Many trees were blown down. A tree crashed through a house, a barn was destroyed and a mobile home blown apart near Howard City. Many houses and cottages were damaged near Rainbow Lake. Barns and trees were down in Kent County. |
| Muskegon Co. Airport | 17 | 1936EST | | | 0 | 0 | 0 | | TSTM Wind (55) | |
| Western Ottawa Co. | 17 | 1945EST | | | 0 | 0 | 0 | | TSTM Wind | |
| Muskegon Co. | 17 | 2000EST | | | 0 | 0 | 3 | | Lightning | Numerous large trees were down in Ottawa County. An unconfirmed funnel cloud was reported near Grand Haven. 4 houses were set afire in Muskegon Co. |
| Montcalm Co. | 17 | 1940EST | | | 0 | 0 | 0 | | TSTM Wind | |
| Muir, Ionia Co. | 17 | 1945EST | | | 0 | 0 | 0 | | Hail(1.75) | |
| 4 S Portland, Ionia Co. | 17 | 2010EST | | | 0 | 0 | 0 | | Hail(2.00) | |
| NE Ingham Co. | 17 | 2050EST | | | 0 | 0 | 2 | | TSTM Wind | |
| Livingston Co. | 17 | 2115EST | | | 0 | 0 | 0 | | TSTM Wind | |
| Oakland Co. | 17 | 2135EST | | | 0 | 0 | 2 | | TSTM Wind | Small hail and 2 unconfirmed funnel clouds were reported in the vicinity. Numerous large trees were blown down and several cars damaged. Gusts were estimated 60 mph at Fowlerville. |
| Calhoun Co. | 17 | 2120EST | | | 0 | 0 | 0 | | TSTM Wind | |
| Calhoun Co. | 17 | 2130EST | | | 0 | 0 | 5 | | Lightning | |
| Ionia Co. | 18 | 0027EST | | | 0 | 0 | 3 | | TSTM Wind | Winds were estimated 60 mph at Bedford. A barn and its contents burned in Newton Township. |
| Muir, Ionia Co. | 18 | 1945EST | | | 0 | 0 | 0 | | Hail(1.75) | Numerous trees were blown down and a mobile home was overturned along a line from Selding to 4 miles southeast of Ionia. |
| Eastern Branch Co. | 18 | 1945EST | | | 0 | 0 | 0 | | TSTM Wind | Gusts were estimated 60 to 70 mph at Quincy. Many trees were blown down and several roads were blocked near Quincy and Marble Lake. |
| 4 S Portland, Ionia Co. | 18 | 2023EST | | | 0 | 0 | 0 | | Hail(2.00) | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|--|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| MICHIGAN | | | | | | | | | |
| Lake Huron, 15 ESE Thunder Bay Island | 29 | 1015EST | | | 0 | 0 | 0 | | Waterspout |
| Lake Huron, 5 E Port Sanilac | 30 | 0930EST | | | 0 | 0 | 0 | | Waterspout |
| MINNESOTA | | | | | | | | | |
| Ottertail County Broken Dam near Fergus Falls | 01 | 1630CST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind (59) Livestock pole barn roof partially torn away near Broken Dam. Auto body shop complex suffered roof and minor structural damage. |
| Morrison County 6W Little Falls | 01 | 2245CST | | | 0 | 0 | 3 | 0 | Thunderstorm Wind Six to eight trees up to 18 inches in diameter and powerlines were damaged 1 1/2 N of Hwy 27. |
| Todd County Clarissa | 01 | 2322CST | | | 0 | 0 | 3 | 0 | Thunderstorm Wind Trees and power lines downed. |
| Carver County Maconia | 02 | 1405CST | 0.3 | 15 | 0 | 0 | 4 | 0 | Tornado (F0) Several boats capsized and several boats in dry dock were also sent tumbling by the strong winds. |
| Hennepin County Corcoran | 02 | 1410CST | | | 0 | 0 | 3 | 0 | Thunderstorm Wind Several pole barns damaged. Also some trees and power lines downed. |
| Hennepin County Minneapolis | 02 | 1415CST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind (71) Strong winds caused widespread window roof and tree damage in and around the Minneapolis airport complex. The strong winds closed the airport for about 20 minutes. |
| Wright County 5S Buffalo | 02 | 1420CST | | | 0 | 0 | 0 | 0 | Funnel |
| Hennepin County: Excelsior | 02 | 1429CST | | | 0 | 0 | 0 | 0 | Funnel |
| Bloomington | 02 | 1437CST | | | 0 | 0 | 0 | 0 | Funnel |
| Anoka County Blaine | 02 | 1454CST | | | 0 | 0 | 0 | 0 | Funnel All funnels confirmed by law enforcement agencies. |
| Rock County 7E Luverne | 02 | 1801CST | | | 0 | 0 | 0 | ? | Hail (1.75) Crop damage due to hail in the vicinity of Magnolia. |
| Fillmore County 7SW Mabel | 03 | 1700CST | | | 0 | 0 | 3 | 0 | Thunderstorm Wind Lightning Strong winds heavily damaged a 26 x 60 ft. cattle shed and did minor damage to the roofs of several other buildings. Lightning with this storm also started several fires which caused only minor damage. |
| Goodhue County Red Wing | 03 | 1830CST | | | 0 | 0 | 0 | 0 | Hail (1.75) |
| Chippewa County Maynard | 07 | 1505CST | 0.3 | 15 | 0 | 0 | 4 | 0 | Tornado (F1) Damage to several holding bins at a grain elevator plus other scattered roof, tree and power line damage was done. |
| St. Louis County Biwabik | 07 | 1515CST | | | 0 | 0 | ? | 0 | Thunderstorm Wind (60) Tree and power line damage. |
| Martin County 4W Sherburn | 07 | 1600CST | | | 0 | 0 | 3 | 0 | Thunderstorm Wind Carport heavily damaged with other scattered roof, tree and power line damage. |
| Wright County Monticello | 07 | 1615CST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind (70) Winds overturned several campers and recreational vehicles at an RV park south of Monticello. Also scattered tree and power line damage reported east of Monticello at Big Lake and also west of Monticello near Lake Pulaski. |
| MINNESOTA | | | | | | | | | |
| Hennepin County Minneapolis | 07 | 1730CST | | | 0 | 0 | 5 | 0 | Thunderstorm Wind (52) Lightning A lightning strike caused a fire and destroyed an apartment complex. There was also scattered tree and roof damage due to gusty winds. |
| Hennepin County Maple Grove | 07 | 1730CST | | | 0 | 0 | 4 | 0 | Lightning A fire started by lightning caused extensive damage to several homes. |
| Ramsey County | 07 | 1750CST | | | 0 | 1 | 4 | 0 | Thunderstorm Wind Lightning A fire started by lightning caused substantial damage to a home. Scattered tree and roof damage caused by thunderstorm winds. One minor injury when an uprooted tree fell on a house. |
| Dakota County S. St. Paul, W. St. Paul and Mendota Heights | 07 | 1800CST | | | 0 | 0 | ? | 0 | Thunderstorm Wind (60) Scattered reports of tree and property damage. |
| Norman County Ada | 10 | 2345CST | | | 0 | 0 | ? | 0 | Thunderstorm Wind (65) Hail (1.5) |
| Stearns County New Munich | 11 | 0300CST | | | 0 | 0 | 3 | 0 | Lightning An apartment was damaged by fire. |
| Stearns County 5N Sauk Centre | 11 | 1230CST | | | 1 | 0 | 0 | 0 | Lightning A fisherman was struck and killed by lightning. M650 |
| Mille Lacs County Princeton | 11 | 1421CST | | | 0 | 0 | ? | 0 | Thunderstorm Wind (60) Hail (1.0) Tree and power line damage. |
| Anoka County Circle Pines and Lino Lakes | 11 | 1450CST | | | 0 | 0 | 3 | 0 | Thunderstorm Wind (60) Scattered roof, tree and power line damage. |
| Anoka County Blaine | 11 | 1506CST | | | 0 | 0 | 0 | 0 | Funnel |
| Ramsey County Maplewood | 11 | 1542CST | | | 0 | 0 | ? | 0 | Thunderstorm Wind (52) Scattered roof, tree and power line damage. |
| Itasca County Deer River | 11 | 1905CST | | | 0 | 0 | ? | 0 | Hail (0.75) |
| Itasca County Coleraine, Marble and Calumet | 11 | 1946CST | | | 0 | 0 | 3 | 0 | Hail (3.0) Lots of damage to windows, vehicles and homes. |
| Norman County Ada | 11 | 2049CST | | | 0 | 0 | ? | 0 | Lightning Church steeple set ablaze by lightning strike. |
| Lake County Two Harbors | 12 | 0300CST | | | 0 | 0 | 4 | 0 | Heavy Rain Flooding Rains in excess of four inches caused considerable urban flooding in the city of Two Harbors. Basements had 4-6 feet of muddy water. Heavy runoff also caused flooding of many low-lying areas. |
| St. Louis County SW of Ely | 16 | 0300CST | | | 0 | 1 | 0 | 0 | Thunderstorm Wind Lightning Wind downed many trees in a 25 mile area from Ely to 155W of Ely. A camper struck by lightning suffered first degree burns to her legs. |
| St. Louis County Ely | 16 | 1430CST | | | 0 | 0 | ? | 0 | Hail (1.0) |

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AUGUST 1988

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|---|-----------|-----------------------|---|-----------------------|----------------|---------|------------------|-------|------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| MINNESOTA | | | | | | | | | |
| Lake County NE of Finland | 16 | 1430CST | | | 0 | 0 | 3 | 0 | Lightning |
| | | | A cabin was struck by lightning and the subsequent fire destroyed the structure. | | | | | | |
| Cook County Lutsen | 16 | 1830CST | | | 0 | 0 | ? | 0 | Hail (1.5) |
| Nobles County Northington | 21 | 0100CST | | | 0 | 0 | 3 | 0 | Lightning |
| | | | Several fires started by lightning destroyed one mobile home and a residential garage. | | | | | | |
| Becker County Detroit Lakes | 21 | 1058CST | | | 0 | 0 | ? | 0 | Hail (1.0) |
| Clay County 28E Fargo | 22 | 1850CST | | | 0 | 0 | ? | 0 | Thunderstorm Wind (60) |
| Becker Co. 17 SW Detroit Lks. | 31 | 2330CST | | | 0 | 0 | 5 | 0 | Thunderstorm Wind |
| | | | A barn and a granary were destroyed and another barn was damaged by wind. | | | | | | |
| 22 MISSISSIPPI | | | | | | | | | |
| Hinds County, 3NW Clinton | 01 | 1345CST | | | 0 | 0 | 4 | 0 | Thunderstorm Winds |
| | | | Several trees were blown down northwest of Clinton. One tree fell on a mobile home and damaged it. | | | | | | |
| Rankin County, Florence | 01 | 1500CST | | | 0 | 0 | ? | 0 | Thunderstorm Winds |
| | | | Several trees were blown down in Florence. | | | | | | |
| Lee County, Tupelo | 01 | 1600CST | | | 0 | 0 | 5 | 0 | Lightning |
| | | | Lightning struck a home and business in Tupelo. Both were heavily damaged. | | | | | | |
| Chickasaw County, 2N Houlika | 01 | 1645CST | | | 0 | 0 | ? | 0 | Thunderstorm Winds |
| | | | Several large oak trees were blown down just north of Houlika. | | | | | | |
| Itawamba County, Fulton | 02 | 1800CST | | | 0 | 0 | ? | 0 | Thunderstorm Winds |
| | | | Numerous trees and power lines were blown down in Fulton and surrounding areas. | | | | | | |
| Monroe County, Becker | 03 | 1600CST | | | 0 | 0 | 4 | 0 | Thunderstorm Winds |
| | | | At the county airport, a hangar door was blown off and twisted. The door hit an airplane, causing minor damage to the plane. | | | | | | |
| Jefferson County, 5W Fayette | 03 | 1910CST | | | 0 | 0 | ? | 0 | Thunderstorm Winds |
| | | | Trees and power lines were blown down west of Fayette. | | | | | | |
| Bolivar County, 2W Merigold | 03 | 2145CST | | | 0 | 0 | ? | 0 | Thunderstorm Winds |
| | | | A couple of trees were blown down west of Merigold. | | | | | | |
| Harrison, Hancock and Jackson Counties | 08- 09 | 0700CST- 1800CST | | | 0 | 0 | 5 | 0 | Tropical Storm Beryl |
| | | | On the morning of the 8th, Tropical Storm Beryl developed about 30 miles south of Bay St. Louis. The storm drifted slowly to the southeast during the day of the 8th...then stalled that night...and then moved slowly westward into southeast Louisiana on the 9th. The lowest pressure recorded in Mississippi was at Gulfport with 1005.3mb at 0000CST on the 9th. The strongest winds were estimated in Hancock County with sustained winds of 45 mph and gust up to 60 mph. Rainfall totals were quite large across all three coastal counties. Pascagoula received 15.85 inches from the 8th - 10th. Gulfport and Biloxi received around 10 inches during the same time period. Several roads were flooded and one bridge in Jackson County was washed out. Hancock County reported flooding in camp grounds with several trailers flooded. Minor flooding occurred on the Wolf and Tchoutacabouffa rivers with more significant flooding on the Biloxi River. Tides were from 3 to 5 feet above normal at their peak. Hancock Co. had considerable erosion of beaches. Harrison Co. reported that 250,000 yards of sand were washed away, while Jackson Co. lost 150,000 yards of sand. All evacuations were voluntary. In Harrison Co., 152 homes were evacuated, mainly those close to flooded rivers. Less than 10 homes were evacuated in Hancock Co. with no evacuations in Jackson Co. | | | | | | |
| MISSISSIPPI | | | | | | | | | |
| Lee County, Shannon | 16 | 2015CST | | | 0 | 0 | ? | 0 | Thunderstorm Winds |
| | | | Trees and power lines were blown down in Shannon. | | | | | | |
| Harrison County, Long Beach | 17 | 0830CST | | | 0 | 0 | 0 | 0 | Waterspout |
| | | | A waterspout developed just off the coast of Long Beach, but dissipated before it reached the shore. | | | | | | |
| Lincoln County, Brookhaven | 18 | 1500CST | | | 0 | 0 | 4 | 0 | Flash Flood |
| | | | Rainfall amounts of up to 3 inches in a one hour period flooded several stores in a shopping center. | | | | | | |
| Montgomery County, Winona | 20 | 1530CST | | | 0 | 0 | 4 | 0 | Lightning |
| | | | A home in Winona was struck by lightning. The electrical surge knocked the top off of a brick chimney down to the roof level. Some of the bricks were thrown 60 feet away. Inside the home 3 television sets were damaged and one light switch was shattered. | | | | | | |
| Washington County, Leland | 20 | 1600CST | | | 0 | 0 | 4 | 0 | Thunderstorm Winds |
| | | | Several trees and power lines were blown down. Several roofs were also damaged in Leland. | | | | | | |
| Warren County, Vicksburg | 20 | 1830CST | | | 0 | 0 | 5 | 0 | Lightning |
| | | | Lightning struck a workhouse near the Mississippi River at Vicksburg. The lightning ignited a fire which burned the structure to the ground. Around 80,000 dollars worth of equipment in the workhouse was also destroyed. | | | | | | |
| Warren County, BSE Vicksburg | 20 | 1920CST | | | 0 | 0 | ? | 0 | Thunderstorm Winds |
| | | | Numerous trees and power lines were blown down southeast of Vicksburg. | | | | | | |
| Lauderdale County, Lauderdale | 21 | 0640CST | | | 0 | 0 | 5 | 0 | Lightning |
| | | | A factory in Lauderdale was struck by lightning and then destroyed by the ensuing fire. Also, 100 sewing machines were destroyed. | | | | | | |
| Harrison County, Lyman | 21 | 1315CST | | | 0 | 0 | 4 | 0 | Lightning |
| | | | A home in Lyman was struck by lightning and then destroyed by the ensuing fire. | | | | | | |
| Jasper County, Stringer | 23 | 1605CST | | | 0 | 0 | 4 | 0 | Thunderstorm Winds |
| | | | Several trees were blown down in Stringer. One tree fell on a car and heavily damaged it. | | | | | | |
| Pontotoc County, Pontotoc | 26 | 1400CST | | | 0 | 0 | 0 | 0 | Funnel Cloud |
| | | | A funnel cloud was observed near a school in Pontotoc. | | | | | | |
| Lafayette County, 15E Oxford | 26 | 1740CST | | | 0 | 0 | ? | 0 | Hail (1.00) |
| Pearl River County, 10N Picayune | 31 | 1430CST | | | 0 | 2 | 0 | 0 | Lightning |
| | | | Lightning struck a forestry tower in Pearl River County and lit it up "like a Christmas tree". The bolt traveled into a pole shed where 2 employees were sitting at a table drinking sodas. The charge traveled through the table into the sodas, burning both of their hands. Both injuries were minor. | | | | | | |
| 23 MISSOURI | | | | | | | | | |
| Linn County, Brookfield | 4 | 1545CST | | | 0 | 0 | 2 | 0 | TSTM Wind |
| | | | Winds downed large tree limbs. | | | | | | |
| Pettis County, Lamonte | 9 | 1625CST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| | | | Winds downed large tree limbs and damaged the roofs of two barns. | | | | | | |
| Taney County, 2 W Branson | 17 | 1800CST | | | 0 | 1 | 5 | 0 | TSTM Wind |
| | | | Winds blew roof off a motel about 2 miles west of Branson. One person received minor injuries. Some cars and store fronts were damaged from the debris. | | | | | | |
| Pike County, Louisiana | 18 | 1340CST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| | | | Winds downed trees and power lines and 1 1/2 inches of rain fell within one half hour. | | | | | | |
| Nodaway County, Maryville | 22 | 1420CST | | | 0 | 0 | 0 | 0 | HAIL (1.00) |
| | | | Hail to one inch diameter. | | | | | | |

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|--|------|-----------------------|------------------------|-----------------------|----------------|--------|------------------|-------|------------------------|
| | | | | | KILLED | INURED | PROPERTY | CROPS | |
| MISSOURI | | | | | | | | | |
| Chariton County | 22 | 1700CST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| Large trees and barn roofs damaged north of Glasgow in the southern part of the county. | | | | | | | | | |
| Butler County | 27 | 1950CST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| Wind downed trees and power lines in eastern part of the county. | | | | | | | | | |
| Stoddard County | 27 | 2015CST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| Trees downed in northern part of the county. | | | | | | | | | |
| Cape Girardeau and Scott Counties | 27 | 2052CST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| Wind downed trees and power lines in the northern portion of Scott and in the the southern portion of Cape Girardeau Counties. | | | | | | | | | |
| 24 MONTANA | | | | | | | | | |
| Yellowstone County, Billings | 01 | 1716 MST | | | 0 | 0 | 1 | 0 | High winds (G 63) |
| Minor damage occurred. | | | | | | | | | |
| Granite County: Phillipsburg | 11 | 1458 MST | | | 0 | 0 | 2 | 0 | TSTM wind (G 55) |
| Power lines were knocked down. | | | | | | | | | |
| Hall | 11 | 1800 MST | 2 | 25 | 0 | 0 | 0 | 0 | Tornado (F0) |
| Trees and a shed were destroyed. | | | | | | | | | |
| Powder River County: Broadus | 12 | Evening | | | 0 | 2 | 0 | 0 | Lightning |
| Two young people were fixing fence on the Russell Ranch on Doyle Creek and were shocked by lightning and received minor injuries. | | | | | | | | | |
| Broadus | 15 | 1700 MST | | | 0 | 0 | 2 | 0 | TSTM winds (G 65) |
| Trees were downed. | | | | | | | | | |
| Lake County, St. Ignatius 5 NW | 17 | 1830 MST | | | 0 | 0 | 2 | 0 | TSTM winds (G 65) |
| Power lines were downed and a shed was destroyed. | | | | | | | | | |
| Flathead County, Kalispell | 18 | Afternoon | | | 0 | 1 | 3 | 0 | Lightning |
| Lightning hit a house on Kelly Road, knocking a woman down and starting a small house fire. | | | | | | | | | |
| Valley County: Glasgow | 18 | 1843 MST | | | 0 | 0 | 3 | 2 | TSTM winds (G 72) |
| Trees and some power lines were downed. | | | | | | | | | |
| Glasgow 4-15 N | 18 | 1845 MST | | | 0 | 0 | 3 | 2 | TSTM winds (G 70) |
| Buildings were damaged. | | | | | | | | | |
| Wolf Point 28NW | 18 | 2000 MST | | | 0 | 0 | 3 | 2 | TSTM winds (G 70) |
| Trees and power lines were downed. | | | | | | | | | |
| Daniels County, Scooby | 18 | 2000 MST | | | 0 | 0 | 3 | 2 | TSTM winds (G 75) |
| Trees and power lines were downed. | | | | | | | | | |
| Chouteau County, Big Sandy 10 SW | 20 | 1520 MST | | | 0 | 0 | 0 | 0 | TSTM winds (G 60) |
| 25 NEBRASKA | | | | | | | | | |
| Daves Co. 14SE Crawford | 03 | 0150CST | | | 0 | 0 | 2 | 2 | Hail (1.75) |
| Cherry Co. 25SW Valentine | 03 | 1210CST | | | 0 | 0 | 4 | 2 | Hail (1.25) |
| One and quarter inch hail fell near the north end of Merritt Reservoir. | | | | | | | | | |
| Rock Co. Newport | 03 | 1400CST | | | 0 | 0 | 3 | 4 | Flash Flood |
| 4.18 inches of rain caused some areas of flash flooding with minor damage. | | | | | | | | | |
| Grant Co. 3N Hyannis | 03 | 1402CST | | | 0 | 0 | 3 | 3 | Hail (2.75) |
| Keith Co. 4E Ogallala | 03 | 1437CST | | | 0 | 0 | 3 | 1 | Thunderstorm Wind (50) |
| 57 m.p.h. winds were reported with minor damage. | | | | | | | | | |
| NEBRASKA | | | | | | | | | |
| Lincoln Co. 5S Sutherland | 03 | 1522CST | 0.1 | 15 | 0 | 0 | 2 | 1 | Tornado (F0) |
| Small tornado touched down briefly 5 miles south of Sutherland. | | | | | | | | | |
| Holt Co. O'Neill | 03 | 1555CST | | | 0 | 0 | 3 | 2 | Thunderstorm Wind (50) |
| Wind gusts to 57 m.p.h. caused minor damage. | | | | | | | | | |
| Lincoln Co. North Platte | 03 | 1630CST-1715CST | | | 0 | 0 | 5 | 3 | Lightning |
| Lightning strikes started fires in homes, an office building and power transformers. Haystacks near town were also set on fire. | | | | | | | | | |
| Lincoln Co. 6N Wellfleet | 07 | 1550CST | | | 0 | 0 | 4 | 5 | Thunderstorm Wind (56) |
| Hail (1.75) | | | | | | | | | |
| Wind gusts to around 65 m.p.h. along with 1 and 3/4 inch hail heavily damaged an estimated 15,000 acres of crops and pasture. A farm building was damaged and tree limbs were broken. | | | | | | | | | |
| York Co. McCook Junction | 07 | 1900CST | | | 0 | 0 | 4 | 3 | Thunderstorm Wind (70) |
| Wind gusts estimated to 81 m.p.h. damaged trees and power lines. | | | | | | | | | |
| Lincoln Co. 14W Hershey | 08 | 1935CST | | | 0 | 0 | 3 | 3 | Thunderstorm Wind (52) |
| Hail (1.75) | | | | | | | | | |
| Wind gusts estimated to around 60 m.p.h. along with 1 and 3/4 inch hail caused damage to crops and property. | | | | | | | | | |
| Banner and Morrill Counties SENE Harrisburg to 11W Bridgeport | 09 | 1455CST-1530CST | 14 | 40 | 0 | 0 | 3 | 3 | Tornado (F1) |
| A tornado touched down 8 miles east-northeast of Harrisburg and moved east-northeast crossing into Morrill County about 13 miles west-southwest of Bridgeport and lifting finally 12 miles west of Bridgeport. The tornado lifted off the ground at intervals. No significant damage was reported as most of the track was through open range country. | | | | | | | | | |
| Cheyenne Co. Sidney | 09 | 1604CST | | | 0 | 0 | 3 | 3 | Hail (1.00) |
| Sheridan Co. Lakeside | 09 | 1630CST | | | 0 | 0 | 3 | 3 | Hail (1.50) |
| Wind-driven hail broke all the windows on one side of a ranch house. | | | | | | | | | |
| Keith Co. 4W Brule | 09 | 1735CST | | | 0 | 0 | 3 | 5 | Hail (1.75) |
| 1 and 3/4 inch hail heavily damaged around 1900 acres of crops and pasture land. | | | | | | | | | |
| Sioux Co. 25N Scottsbluff | 11 | 1430CST | | | 0 | 0 | 2 | 4 | Lightning |
| Fire started by lightning burned around 12,000 acres of grassland. | | | | | | | | | |
| Banner Co. 12E Harrisburg | 11 | 1453CST | 0.1 | 20 | 0 | 0 | 2 | 1 | Tornado (F1) |
| A tornado touched down briefly in open rangeland 12 miles east of Harrisburg. | | | | | | | | | |
| Perkins Co. Grant | 12 | 1500CST | | | 0 | 0 | 5 | 5 | Hail (1.75) |
| 1 and 3/4 inch hail dented vehicles, broke windows and stripped leaves off of trees. Crops in the area had considerable damage. The hail piled up in places to 1 foot drifts. | | | | | | | | | |
| Lincoln Co. 12SW North Platte | 12 | 1530CST | | | 0 | 0 | 5 | 7 | Thunderstorm Wind (56) |
| Hail (0.75) | | | | | | | | | |
| Wind gusts estimated around 65 m.p.h. along with 3/4 inch hail damaged around 25,000 acres of crop and pasture land. A number of ranch buildings were damaged by the strong gusts. | | | | | | | | | |
| Frontier Co. Maywood | 12 | 1730CST | | | 0 | 0 | 6 | 6 | Thunderstorm Wind (65) |
| Hail (1.00) | | | | | | | | | |
| Winds estimated around 75 m.p.h. and 1-inch hail ripped through the Maywood area. Winds overturned a trailer, damaged grain storage bins, blew the roof off of a house, and damaged barns and a number of other buildings. Trees were blown down with some falling on buildings and vehicles. Hail broke windows, damaged siding, stripped leaves off of trees and dented cars. Crops were devastated in the area. | | | | | | | | | |
| Red Willow Co. 6E McCook | 12 | 1830CST | | | 0 | 0 | 5 | 2 | Thunderstorm Wind (52) |
| Wind gusts estimated around 60 m.p.h. destroyed 9 grain bins. | | | | | | | | | |
| Dawson Co. 2S Lexington | 12 | 2000CST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Strong wind gusts broke tree branches and downed power lines. | | | | | | | | | |

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|--|-------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| NEBRASKA | | | | | | | | | |
| Hayes and Hitchcock Co | 12-13 | 2200CST-0100CST | | | 0 | 0 | 4 | 7 | Flash Flood |
| | | | | | | | | | Upwards of 5 inches of rain in southern Hayes and northern Hitchcock counties caused soil erosion and crop damage to an estimated 51,000 acres. Frenchman Creek at Fallside was pushed about 1 foot over flood stage the morning of the 13th. |
| Red Willow Co. McCook | 13 | 0100CST | | | 0 | 0 | 2 | 2 | Flash Flood |
| | | | | | | | | | 3 to 5 inches of rain upriver caused the Republican River to overflow its banks briefly in the south part of town, causing minor damage. |
| Dawes Co. Crawford | 19 | 1733CST | | | 0 | 0 | 1 | 2 | Hail (0.75) |
| Box Butte Co. 25W Alliance | 19 | 1745CST | | | 0 | 0 | 2 | 3 | Hail (1.75) |
| Douglas Co. Omaha | 22 | 1143CST | | | 0 | 0 | 3 | 2 | Thunderstorm Wind (55) |
| | | | | | | | | | Winds gusted to 63 m.p.h. at Omaha Eppley Airfield. Minor damage to trees, power lines and signs was reported. |
| 26 NEVADA | | | | | | | | | |
| Nye County | 02 | 2100PST | | | 0 | 0 | 2 | 0 | Lightning |
| | | | | | | | | | In Tonopah, Nevada lightning struck a mobile home, knocked a hole through the wall, and burned the carpet. |
| White Pine County | 03 | 1705PST | | | 0 | 0 | 0 | 0 | Hail (1.5) |
| | | | | | | | | | Hailstones up to 1.5 inches in diameter were reported in the town of Lund, Nevada, south of Ely. |
| Clark County | 04 | 1605PST | | | 0 | 0 | 2 | 0 | Flash Flood |
| Nye County | 04 | 1715PST | | | 0 | 0 | 0 | 0 | TSTM Wind (52) |
| | | | | | | | | | A strong thunderstorm dumped heavy rain on parts of extreme southern Nevada between the towns of Searchlight and Nelson. Mud and water flooded parts of U. S. Highway 95 near Searchlight, Nevada. Later that afternoon outflow winds gusted to 60 MPH in Pahrump, Nevada in southern Nye County. |
| Nye County | 05 | 1515PST | | | 0 | 0 | 0 | 0 | Hail (.75) |
| | | | | | | | | | A severe thunderstorm produced three-quarter inch hail and dumped a half inch of rain in 15 minutes at the Reese River Banger Station in northern Nye County, approximately 65 miles north-northwest of Tonopah, Nevada. |
| Lyon County | 06 | 1613PST | | | 0 | 0 | 3 | 0 | TSTM Wind (50) |
| | | | | | | | | | The outflow winds from a strong thunderstorm blew over a 28 foot long box trailer loaded with plywood in Yerington, Nevada. The plywood was thrown into the air. |
| White Pine County | 11 | 1905PST | | | 0 | 0 | 0 | 0 | Hail (1.5) |
| | | | | | | | | | Golf ball size hail was reported by the Nevada Highway Patrol at Connors Pass, Nevada approximately 20 miles southeast of Ely, Nevada on U. S. Highway 50. |
| Nye County | 26 | 1613PST | | | 0 | 0 | 0 | 0 | TSTM Wind (51) |
| | | | | | | | | | Outflow winds from a strong thunderstorm gusted to 59 MPH at the Tonopah, Nevada Airport. |
| Clark County | 29 | 1900PST | | | 0 | 0 | 0 | 0 | TSTM Wind (52) |
| | | | | | | | | | A very strong thunderstorm dumped an inch of rain on Overton Beach on Lake Meade and produced winds gusting to 60 MPH at Echo Bay, approximately 45 miles east-northeast of Las Vegas, Nevada. |
| Washoe County | 31 | 1548PST | | | 0 | 0 | 2 | 0 | TSTM Wind (56) |
| | | | | | | | | | Thunderstorm winds blew through Lemon Valley, approximately 15 miles north of Reno, Nevada. Winds gusting to 65 MPH blew plywood off the roofs of new homes under construction. |
| 27 NEW HAMPSHIRE | | | | | | | | | |
| Coos Co. Colebrook | 03 | 2002EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm winds blew down trees and disrupted electrical service. |
| Coos Co. Pittsburg | 03 | 2005EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Wind gusts from thunderstorms blew down trees and power lines. |
| Coos Co. Lancaster | 03 | 2017EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm winds knocked down trees and power lines. |
| Rockingham Co. Sandown, Danville, | 12 | Evening | | | 0 | 2 | 5 | 0 | Lightning |
| Hillsborough Co. Bedford | | | | | | | | | Lightning set fire to a house, doing extensive damage in Sandown and destroying a 12x12 foot utility shed in Danville. Two people, one in Bedford and another in Danville, received minor injuries when they were struck by lightning. |
| Rockingham Co. Deerfield | 14 | 1235EST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| Rockingham Co. Portsmouth | 14 | 1320EST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| Strafford Co. Barrington, Farmington, New Durham and Strafford | 14 | 1412EST | | | 0 | 0 | 5 | 0 | TSTM Wind |
| Coos Co. Berlin | 14 | 1542EST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| Coos Co. Jefferson | 14 | 1616EST | | | 0 | 0 | 4 | 0 | TSTM Wind Hail (0.75) |
| Carroll Co. Melvin Village and Moultonborough | 14 | 1755EST | | | 0 | 0 | 5 | 0 | TSTM Wind |
| Carroll Co. Wolfeboro and Tuftonboro | 14 | 1946EST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| Bellknop Co. Meredith | 14 | 2003EST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| Merrimack Co. Franklin | 14 | 2028EST | | | 0 | 0 | 5 | 0 | TSTM Wind |
| Strafford Co. Rochester | 14 | 2030EST | | | 0 | 0 | 5 | 0 | TSTM Wind |
| | | | | | | | | | A line of severe thunderstorms swept through the State knocking down trees and power lines in many locations. 26,000 people were left without electrical service. Near North Stratford, 22 acres of corn were destroyed by heavy rain, small hail and gusty winds. The town of Franklin was especially hard hit. |
| Cheshire Co. Keene and Jaffrey | 15 | 1212EST | | | 0 | 0 | 5 | 0 | TSTM Wind |
| Hillsborough Co. Nashua | 15 | 1314EST | | | 0 | 0 | 5 | 0 | TSTM Wind |
| Rockingham Co. Raymond | 15 | 1333EST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| | | | | | | | | | For the second consecutive day, a line of thunderstorms raced across the State. The ones in the southern half of the State produced winds that knocked down trees and power lines in several communities. 25,000 people had their electrical service disrupted. |
| Grafton Co. Orford | 28 | 1620EST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm winds blew down trees and power lines. |
| Grafton Co. Woodstock | 28 | 1645EST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm winds blew down several trees. |
| Sullivan Co. Washington | 28 | 2045EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm winds knocked down several large trees. |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| | | | | | | | | | |

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| | | | | | | | | | |

28 NEW JERSEY, Northern

| | | | | | | | | | |
|--|----|---------|---|---|---|---|---|-------------------|--|
| Hunterdon Co. | 17 | 1715EST | 0 | 0 | ? | 0 | 0 | Thunderstorm Wind | |
| A severe thunderstorm passing through Hunterdon County downed numerous trees and power lines. Route 29 South had to be closed for several hours due to downed trees. | | | | | | | | | |
| Bergen Co. | 29 | 1645EST | 0 | 0 | ? | 0 | 0 | High Wind | |
| Essex Co. | 29 | 1700EST | 0 | 0 | ? | 0 | 0 | High Wind | |
| The remnant of Tropical Storm Chris produced damaging winds in excess of 40 miles an hour for several hours as it passed across Northern New Jersey. The winds toppled numerous trees and knocked down several power lines in Bergen and Essex counties. | | | | | | | | | |

28 NEW JERSEY, Southern

| | | | | | | | | | |
|--|----|----------|-----|-----|---|---|---|---------------|--|
| Cumberland County, 3.5 S Bridgeton | 15 | 1925 EST | 0 | 0 | 4 | 0 | 0 | TSTM Wind | |
| Thunderstorm wind gusts damaged several houses, turned over sheds, blew the top off a cinder block building and downed trees and power lines. Blocks from the cinder block building were spread from 100 to 150 feet away. | | | | | | | | | |
| Cape May County, Avalon | 15 | 2000 EST | 0 | 0 | 3 | 0 | 0 | TSTM Wind | |
| Thunderstorm wind gusts brought down power lines and uprooted a tree. | | | | | | | | | |
| Salem County, Pedricktown | 17 | 1440 EST | 0 | 1 | 0 | 0 | 0 | Lightning | |
| Lightning struck and seriously injured a migrant worker as he was working in a field. | | | | | | | | | |
| Cumberland County, 8 SW Millville | 17 | 1440 EST | 0 | 0 | ? | ? | ? | Hail(0.75) | |
| A thunderstorm dropped 3/4 inch hail and heavy rain. The heavy rain caused some flooding on secondary roads. | | | | | | | | | |
| Mercer County, Trenton | 17 | 1730 EST | 4.5 | 200 | 0 | 0 | 6 | Tornado (F2) | |
| The tornado first touched down in Ewing Township near the Mercer County Airport, northwest of the city. There was a 1 to 2 mile path of downed trees and power lines and buildings damaged by falling trees or wind. The next two touchdowns were in the City of Trenton for about 1/4 mile each. The first damaged the roof of a police station, tore the roof off a warehouse, tumbled brick walls and pushed automobiles and trucks around on the street. The second tore the roofs and portions of the third floor off 4 brick row houses. Many trees, tree limbs and power lines were also brought down in these areas. | | | | | | | | | |
| Camden County: Cherry Hill | 17 | 1745 EST | 0 | 0 | 3 | 0 | 0 | TSTM Wind | |
| 2 N Atee | 17 | 1755 EST | 0 | 0 | ? | 0 | 0 | TSTM Wind(50) | |
| Thunderstorm wind gusts were estimated at 67 MPH north of Atee and uprooted numerous large trees in Cherry Hill. | | | | | | | | | |
| Burlington County: Tabernacle | 17 | 1745 EST | 0 | 0 | ? | 0 | 0 | TSTM Wind(52) | |
| McGuire AFB | 17 | 1750 EST | 0 | 0 | ? | 0 | 0 | TSTM Wind(74) | |
| Thunderstorm wind gusts were estimated at 60 MPH in Tabernacle and at 85 MPH in the McGuire area. | | | | | | | | | |
| Ocean County: Lavallette | 17 | 1819 EST | 0 | 14 | 4 | 0 | 0 | TSTM Wind | |
| Barnegat Light | 17 | 1845 EST | 0 | 0 | ? | 0 | 0 | TSTM Wind(52) | |
| Brandt Beach | 17 | 1900 EST | 0 | 0 | ? | 0 | 0 | TSTM Wind(56) | |
| Thunderstorm winds blew down a circus tent in Lavallette, resulting in injury to 14 people. Police reported 60 MPH winds at Barnegat Light and 60 to 65 MPH winds on other portions of Long Beach Island around Brandt Beach and to the north and south. | | | | | | | | | |
| Atlantic County, Egg Harbor City | 17 | 1820 EST | 0 | 0 | 3 | 0 | 0 | TSTM Wind(61) | |
| Thunderstorm wind gusts were estimated at 70 MPH by city police. Power lines and trees were downed in Egg Harbor, in Mullica and in Galloway Township. | | | | | | | | | |
| Ocean County, Lakewood | 17 | 1830 EST | .25 | 100 | 0 | 0 | 3 | Tornado (F0) | |
| A tornado touched down briefly and uprooted trees. | | | | | | | | | |

NEW JERSEY, Southern

| | | | | | | | | | |
|--|----|----------|-----|-----|---|---|---|---|---------------|
| Salem County, Carney's Point | 17 | 1830 EST | 1.5 | 400 | 0 | 0 | 5 | 0 | Tornado (F2) |
| A tornado moved northwest to southeast downing trees, with some large diameter trees being uprooted. Some of the trees fell on automobiles and one fell on a house. | | | | | | | | | |
| Cape May County: 2 N South Dennis | 17 | 1950 EST | 0 | 0 | 3 | 0 | 0 | 0 | TSTM Wind |
| Stene Harbor | 17 | 2000 EST | 0 | 0 | 3 | 0 | 0 | 0 | TSTM Wind |
| Wildwood Crest | 17 | 2005 EST | 0 | 0 | 3 | 0 | 0 | 0 | TSTM Wind |
| Thunderstorm wind gusts downed power lines in Stene Harbor, downed trees in the South Dennis-Belplains area and moved 500 pound life boats up to 300 feet in Wildwood Crest. | | | | | | | | | |
| Cumberland County, 1 E Bridgeton | 29 | 1545 EST | 0 | 0 | 3 | 0 | 0 | 0 | TSTM Wind |
| Thunderstorm wind gusts downed trees and limbs in Deerfield Township to the east of Bridgeton. | | | | | | | | | |
| Atlantic County: Egg Harbor City | 29 | 1630 EST | 0 | 0 | 2 | 0 | 0 | 0 | TSTM Wind |
| Elmwood | 29 | 1630 EST | 0 | 0 | 3 | 0 | 0 | 0 | TSTM Wind |
| Laureldale | 29 | 1630 EST | 0 | 0 | 2 | 0 | 0 | 0 | TSTM Wind |
| Thunderstorm wind gusts downed a tree in Mullica Township near Elmwood and downed large tree limbs in Laureldale and in Egg Harbor City | | | | | | | | | |
| Burlington County, Medford Lakes | 29 | 1645 EST | 0 | 0 | 3 | 0 | 0 | 0 | TSTM Wind |
| Thunderstorm wind gusts downed a tree and some power lines. | | | | | | | | | |
| Ocean County, Forked River | 29 | 1700 EST | 0 | 0 | ? | 0 | 0 | 0 | TSTM Wind(56) |
| Thunderstorm wind gusts were estimated at 60 to 65 MPH. | | | | | | | | | |

29 NEW MEXICO

| | | | | | | | | | |
|--|----|----------|---|---|---|---|---|---|-------------|
| Otero County | 04 | 1350 MST | 0 | 0 | ? | 0 | 0 | 0 | Hail(0.75) |
| Hail fell on the highway between Alamogordo and White Sands Monument, and reportedly accumulated to a three-inch depth. | | | | | | | | | |
| Colfax County | 04 | 1630 MST | 0 | 0 | ? | ? | ? | ? | Flash Flood |
| Two-inch rains flooded the highway between Cimarron and Interstate 25. | | | | | | | | | |
| Cibola County | 04 | 2100 MST | 0 | 0 | ? | 0 | 0 | 0 | Flash Flood |
| Heavy rains washed out railroad tracks near Laguna Pueblo. | | | | | | | | | |
| Dona Ana County | 05 | morning | 0 | 0 | ? | ? | ? | ? | Flash Flood |
| Minor flooding occurred in the southern portion of the county as four to five inches of rain fell. | | | | | | | | | |
| Socorro and Valencia Counties | 05 | 1500 MST | 0 | 0 | ? | ? | ? | ? | Flash Flood |
| Heavy rains flooded five homes in Sabinal south of Belen. Also flooded were Interstate 25 and State Road 85 in southern Valencia County. | | | | | | | | | |
| Santa Fe County | 09 | 1500 MST | 0 | 0 | ? | ? | ? | ? | Flash Flood |
| Three and a half inches of rain near Edgewood washed out a bridge on the Frost Arroyo leading to the Sandia Knoll subdivision. | | | | | | | | | |
| Bernalillo County | 09 | 1700 MST | 0 | 0 | 5 | ? | ? | ? | Flash Flood |
| Heavy rains produced flooding in the downtown area of Albuquerque and in the south valley area. Damage near 100,000 dollars in value occurred. | | | | | | | | | |
| Bernalillo County | 15 | 1230 MST | 0 | 1 | 0 | 0 | 0 | 0 | Lightning |
| Lightning injured a 17 year old male as he rode his bike along a northeast heights arroyo in Albuquerque. He was knocked unconscious. | | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

NEW MEXICO

| | | | | | | | | | |
|---|-------|-----------|---|---|---|---|-----------------------|--|--|
| Bernalillo County | 15 | 1758 MST | 0 | 0 | ? | ? | Flash Flood | | |
| Arroyos in the far north portion of the northeast heights of Albuquerque overflowed due to heavy rains. | | | | | | | | | |
| Grant and Sierra Counties | 15-17 | | 0 | 0 | ? | ? | Flash Flood | | |
| Several highways flooded from several different storms. Information was very sketchy. Highways 27, 52, and 15 all flooded and were closed at times. | | | | | | | | | |
| Sandoval County | 17 | 1545 MST | 0 | 0 | 0 | 0 | Funnel Cloud | | |
| A funnel cloud was spotted by a pilot and the public near Rio Rancho. | | | | | | | | | |
| Dona Ana County | 22 | 2115 MST | 0 | 0 | ? | 0 | Thunderstorm Wind | | |
| A mobile home was blown off a transport trailer in Chaparral. | | | | | | | | | |
| San Juan County | 24 | afternoon | 0 | 0 | ? | ? | Flash Flood | | |
| Flooding washed away section of U.S. 64 between Bloomfield and Dulce. Flooding also occurred in east Farmington. | | | | | | | | | |
| Valencia County | 27 | ? | 0 | 0 | ? | ? | Flash Flood | | |
| Three inches in two hours washed out a few dirt roads near Belen. A small damburst in the area also aided the flooding. | | | | | | | | | |
| Otero County | 27 | 1630 MST | 0 | 0 | ? | 0 | Thunderstorm Wind(62) | | |
| Winds of 70 to 75 MPH were reported just north of White Sands Monument. | | | | | | | | | |

30 NEW YORK, Coastal — NONE REPORTED

30 NEW YORK, Central

| | | | | | | | | | |
|--|-------|---------|---|---|---|---|-----------|--|--|
| Areswide | 01 AM | 17 PM | 0 | 7 | ? | ? | Heatwave | | |
| Severe heat and humidity covered Eastern New York. Five participants of the Empire State Games were treated for heat-related problems. Two others in Eastern New York were also treated. | | | | | | | | | |
| Clinton Co. | 03 | 1605est | 0 | 0 | 3 | 2 | Hail(.75) | | |
| Peru | 03 | 1610est | 0 | 0 | 2 | 4 | Hail(.75) | | |
| Moers | 03 | 1620est | 0 | 0 | 5 | 4 | Downburst | | |
| Peru | 03 | 1630est | 0 | 0 | 3 | 4 | Hail(1.5) | | |
| Moers | 03 | 1645est | 0 | 0 | 2 | 2 | Hail(.75) | | |
| Peru | 03 | 1705est | 0 | 0 | 2 | 2 | Hail(.75) | | |
| Plattsburgh | 03 | 1710est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Peru | 03 | 1730est | 0 | 0 | 2 | 2 | Tstm Wind | | |
| A very small scale thunderstorm moved through southern Clinton County. Damage from the collapsing thunderstorms consisted of: blown over sheds, downed power and telephone lines, downed trees, and two mobile homes. Damage to nearby orchards was also reported. | | | | | | | | | |
| Oneida Co. | 05 | 1230est | 0 | 0 | 3 | 0 | Hail(.75) | | |
| Vernon | 05 | 1230est | 0 | 0 | 3 | 0 | Rain | | |
| Rome | 05 | 1245est | 0 | 0 | 2 | 0 | Lightning | | |
| Utica | 05 | 1330est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Essex Co. | 05 | 1445est | 0 | 0 | 4 | 0 | Tstm Wind | | |
| Schenectady Co. | 05 | 1455est | 0 | 0 | 2 | 2 | Hail(.75) | | |
| Rotterdam | 05 | 1455est | 0 | 0 | 2 | ? | Hail(.75) | | |
| Niskayuna | 05 | 1455est | 0 | 0 | 4 | 0 | Tstm Wind | | |
| Niskayuna | 05 | 1514est | 0 | 0 | 3 | 2 | Tstm Wind | | |
| Schenectady | 05 | 1514est | 0 | 0 | 3 | 3 | Tstm Wind | | |
| Schenectady | 05 | 1514est | 0 | 0 | 3 | 3 | Tstm Wind | | |
| Clinton Co. | 05 | 1515est | 0 | 1 | 5 | 0 | Tstm Wind | | |
| 3E Peru | 05 | 1535est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Albany Co. | | | | | | | | | |
| Colonie | | | | | | | | | |

NEW YORK, Central

| | | | | | | | | | |
|---|----|---------|-----|----|---|---|-----------|---|--------------|
| Warren Co. | 05 | 1537est | 0 | 0 | 4 | 0 | Tstm Wind | | |
| Bolton Landing | 05 | 1545est | 0 | 0 | 4 | 3 | Tstm Wind | | |
| Saratoga Co. | | | | | | | | | |
| Edinburg | 05 | 1635est | 0 | 0 | 3 | 0 | Lightning | | |
| Montgomery Co. | | | | | | | | | |
| Amsterdam | | | | | | | | | |
| Thunderstorms with strong winds, hail and lightning did damage to local power lines over a wide area. Heavy rain caused local urban flooding around the city of Rome. | | | | | | | | | |
| Fulton Co. | 06 | 1903est | 0 | 0 | 4 | 3 | Tstm Wind | | |
| Gloversville | 06 | 1925est | 0 | 0 | 3 | 3 | Tstm Wind | | |
| Herkimer Co. | | | | | | | | | |
| Little Falls | 06 | 1940est | 0 | 0 | 4 | 0 | Tstm Wind | | |
| Saratoga Co. | | | | | | | | | |
| Edinburg | 06 | 2020est | 0 | 0 | 4 | ? | Tstm Wind | | |
| Moreau | 06 | 2020est | 0 | 0 | ? | ? | Tstm Wind | | |
| Washington Co. | | | | | | | | | |
| Hudson Falls | 06 | 2055est | 0 | 0 | 4 | 0 | Tstm Wind | | |
| Ft. Edward | 06 | 2055est | 0 | 0 | 4 | 0 | Tstm Wind | | |
| Granville | 06 | 2055est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Warren Co. | | | | | | | | | |
| Glens Falls | 06 | 2129est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Glens Falls | 06 | 2132est | 0 | 0 | 4 | 0 | Lightning | | |
| Glens Falls | 06 | 2133est | 0 | 0 | 3 | 0 | Lightning | | |
| Rensselaer Co. | | | | | | | | | |
| W Sand Lake | 06 | 2135est | 0 | 0 | 3 | 0 | Hail(.75) | | |
| High winds and lightning caused local power outages. Lightning was also listed as the cause of two fires at Glens Falls. | | | | | | | | | |
| St. Lawrence Co. | 09 | 2230est | 0.5 | 15 | 0 | 0 | 3 | 0 | Tornado (F0) |
| Potsdam IN to Potsdam 1.SNE | | | | | | | | | |
| A small tornado touched down near the city of Potsdam and lasted about five minutes. The tornado raised some small stones that did some minor damage to buses at the A.A. Kingston Middle School. | | | | | | | | | |
| Columbia Co. | 12 | 1340est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Clermont | 12 | 1345est | 0 | 0 | 5 | 0 | Tstm Wind | | |
| Stuyvesant | 12 | 1349est | 0 | 0 | 4 | 4 | Lightning | | |
| Cannan | 12 | 1400est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Valatie | 12 | 1400est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Kinderhook | 12 | 1400est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Thunderstorm winds blew down trees and damaged power lines, cars, and the roofs and windows of homes. Large hail was also reported but the size was not determined. | | | | | | | | | |
| Sullivan Co. | 13 | 1807est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Long Eddy | | | | | | | | | |
| Thunderstorm winds blew down power lines. | | | | | | | | | |
| St. Lawrence Co. | 13 | 1930est | 0 | 0 | 4 | 4 | Lightning | | |
| Hammond | | | | | | | | | |
| A barn was started on fire. Cause was listed as lightning. | | | | | | | | | |
| St. Lawrence Co. | 14 | 0100est | 0 | 0 | 5 | 0 | Tstm Wind | | |
| Franklin Co. | 14 | 0210est | 0 | 0 | 5 | 0 | Tstm Wind | | |
| Trees and power lines came down during thunderstorms. 3300 homes were without power for about 8 hours. | | | | | | | | | |
| Ulster Co. | 14 | 0905est | 1 | 1 | 4 | 0 | Rain | | |
| Lloyd | | | | | | | | | |
| Heavy rain washed out the soil around a large tree; as the tree fell it crashed onto Rt. 44 in Lloyd. A male driving through the area swerved to avoid the tree and crashed into an oncoming vehicle. | | | | | | | | | |
| M-33-V | | | | | | | | | |
| Warren Co. | 14 | 1734est | 0 | 0 | 4 | 0 | Tstm Wind | | |
| Lk. George | 14 | 1827est | 0 | 0 | 4 | 0 | Tstm Wind | | |
| Bolton Landing | 14 | 1830est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Diamond Pt. | 14 | 1830est | 0 | 0 | 4 | 0 | Tstm Wind | | |
| Diamond Pt. | 14 | 1830est | 0 | 0 | 4 | 0 | Lightning | | |
| Prospect Mtn. | 14 | 1830est | 0 | 0 | 5 | 0 | Lightning | | |
| Otsego Co. | | | | | | | | | |
| Plainfield | 14 | 1830est | 0 | 0 | 4 | 0 | Tstm Wind | | |
| Cooperstown | 14 | 1830est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Washington Co. | | | | | | | | | |
| Ft. Ann | 14 | 1900est | 0 | 0 | 3 | 0 | Tstm Wind | | |
| Saratoga Co. | | | | | | | | | |
| Corinth | 14 | 1910est | 0 | 0 | 3 | 0 | Tstm Wind | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|--------------------------------------|----------|-----------------------|------------------------|-----------------------|----------------|---------|----------|-------|------------------|-------|--|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | PROPERTY | CROPS | |
| NEW YORK, Western | | | | | | | | | | | |
| Livingston County | 05 | 1912 EST | | | 0 | 0 | 2 | 0 | | | TSTM Winds |
| Groveland | 05 | 2003 EST | | | 0 | 0 | 3 | 0 | | | Lightning |
| Genesee, Avon, & Groveland | | | | | | | | | | | |
| Monroe County | 05 | 2030 EST | | | 0 | 0 | 3 | 0 | | | Lightning |
| Rush, Pittsford, Fairport, & Webster | | | | | | | | | | | |
| Jefferson County | 05 | 2220 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds & Lightning |
| Cape Vincent & vicinity | | | | | | | | | | | Strong thunderstorm winds blew down trees and power lines. |
| Chautauqua County | 11 | 1600 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds |
| Benus Point | 11 | 1615 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds |
| Cherry Creek | | | | | | | | | | | Thunderstorm winds broke a utility pole in Benus Point, flipped over several docks at Chautauqua Lake, and felled trees and power lines in Cherry Creek. |
| Orleans County | 15 | 0015 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds |
| Shoreline of Lake Ontario | | | | | | | | | | | |
| Erie County | 15 | 0159 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds (71) |
| Buffalo Airport, Lancaster | | | | | | | | | | | |
| Genesee County | 15 | 0230 EST | | | 0 | 0 | 4 | 0 | | | TSTM Winds |
| Byron, Pembroke, Batavia, etc. | | | | | | | | | | | |
| Monroe County | 15 | 0234 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds |
| Hamlin, Brockport | | | | | | | | | | | |
| Livingston County | 15 | 0300 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds |
| Avon | | | | | | | | | | | Strong thunderstorm winds downed trees and powerlines. |
| Niagara County | 17 | 0832 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds |
| North Tonawanda | 17 | 0838 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds |
| North Tonawanda | 17 | 0845 EST | | | 0 | 0 | 4 | 0 | | | TSTM Winds |
| Wheatfield | | | | | | | | | | | |
| Erie County | 17 | 0900 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds |
| Getzville | | | | | | | | | | | |
| Genesee County | 17 | 0900 EST | | | 0 | 0 | 4 | 0 | | | Lightning |
| E. Pembroke | | | | | | | | | | | |
| Wyoming County | 17 | 0915 EST | | | 0 | 0 | 4 | 0 | | | Lightning |
| Attica, et al. | | | | | | | | | | | |
| Steuben County | 17 | 1010 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds |
| Wayland, Cohocton | | | | | | | | | | | |
| Hornell | 17 | 1030 EST | | | 0 | 0 | 2 | 0 | | | TSTM Winds |
| Kanona | 17 | 1403 EST | | | 0 | 0 | 2 | 0 | | | TSTM Winds |
| Savona, Erwins | 17 | 1430 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds |
| | | | | | | | | | | | Thunderstorm winds downed trees and power lines, and tore a portion of a house's siding in North Tonawanda. In Wheatfield, it damaged a barn and demolished a garage. |
| Wayne County | 24 | 1915 EST | | | 0 | 0 | 3 | 0 | | | Lightning |
| Lyons | | | | | | | | | | | Lightning hit an electrical pole and rendered thousands without power for many hours. |
| Niagara County | 25 | 1730 EST | | | 0 | 0 | 3 | 0 | | | Lightning |
| Somerset | | | | | | | | | | | A lightning bolt hit a power line and set a fire substation on fire. |
| Onondaga County | 27 | 2305 EST | | | 0 | 0 | 5 | 0 | | | TSTM Winds |
| Clay | | | | | | | | | | | Portions of roofs of two apartment buildings were torn off. Six cars were damaged by flying debris. |
| Steuben County | 28 | 1403 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds |
| Kanona, Urbana | | | | | | | | | | | |
| Schuyler County | 28 | 1421 EST | | | 0 | 0 | 2 | 0 | | | TSTM Winds |
| Wayne | | | | | | | | | | | |
| Steuben County | 28 | 1510 EST | | | 0 | 0 | 2 | 0 | | | TSTM Winds |
| Corning | | | | | | | | | | | |
| Schuyler County | 28 | 1421 EST | | | 0 | 0 | 2 | 0 | | | TSTM Winds |
| Wayne | 28 | 1430 EST | 8 | 880 | 1 | 1 | 5 | 0 | | | Tornado (F1) |
| Hector | | | | | | | | | | | |
| Perry City | 1442 EST | | | | | | | | | | |
| Jacksonville (Tompkins Cty.) | 1448 EST | | | | | | | | | | |
| Hector | 28 | 1435 EST | | | 0 | 0 | 3 | 0 | | | Hail (1.75) & TSTM Winds |
| Tompkins County | 28 | 1443 EST | | | 0 | 0 | 4 | 0 | | | TSTM Winds |
| Ulysses, Trumansburg, Ithaca | | | | | | | | | | | |
| Srn. Cayuga Lake | 28 | 1455 EST | | | 0 | 0 | 2 | 0 | | | TSTM Winds |
| Tompkins County | 28 | 1505 EST | | | 0 | 0 | 3 | 0 | | | TSTM Winds |
| Lansing, Grotton | | | | | | | | | | | A tornado touched down in Hector, Schuyler County. There, it demolished 2 trailer homes, killed a woman, and severely injured her husband. The tornado moved east to Perry City where it demolished 2 barns. It moved further east and ended in Jacksonville where it destroyed 5 barns. Numerous trees and electrical lines were blown down along its path. Tornado F70M. |
| 31 NORTH CAROLINA | | | | | | | | | | | |
| Western North Carolina | | | | | 0 | 0 | 0 | ? | | | Drought |
| | | | | | | | | | | | During the summer the western half of North Carolina suffered from severe drought conditions. By the end of August the mountain areas had received only 54 percent of normal rainfall since the beginning of the year. The rainfall deficit in the foothills and western Piedmont ranged from 60 to 70 percent of normal. |
| Union Co. near Monroe | 06 | 1830EST | | | 0 | 0 | 4 | 0 | | | TSTM Winds |
| | | | | | | | | | | | Thunderstorm winds blew down trees and damaged barns, buildings and fences near Monroe. Damage was estimated at \$18,000. |
| Orange Co. Hillsborough | 10 | 1615EST | | | 0 | 0 | 5 | 0 | | | Lightning |
| Western Surry Co. | 10 | 1715EST | | | 0 | 0 | 4 | 0 | | | Lightning |
| Forsyth Co. Lewisville | 10 | 1745EST | | | 0 | 0 | 0 | 0 | | | TSTM Winds |
| | | | | | | | | | | | Fire started by lightning, destroyed a house in Hillsborough. Damage estimates were near \$60,000. Lightning also started a fire that produced \$10,000 damage to a house in Surry County. Thunderstorm winds blew down trees and power lines in Lewisville. |
| Wilks Co. near Kerr Scott Dam | 15 | 1630EST | | | 0 | 0 | 0 | 0 | | | TSTM Winds |
| | | | | | | | | | | | Thunderstorm winds blew down about 40 or 50 trees near the Kerr Scott Dam. |
| Alexander Co. Taylorsville | 16 | 1430EST | | | 0 | 0 | ? | 0 | | | TSTM Winds |
| Rowan Co. Salisbury | 16 | 1600EST | | | 0 | 0 | 0 | 0 | | | TSTM Winds |
| | | | | | | | | | | | Hail (0.75) |
| | | | | | | | | | | | Thunderstorm winds blew down trees and power lines and produced nickel size hail in and near Salisbury. Trees were blown down and a barn and other small structures were damaged just south of Taylorsville. |
| Dare Co. Northern Pamlico Sound | 16 | 1650EST | | | 0 | 0 | 0 | 0 | | | Waterspouts |
| Dare Co. Salvo | 16 | 1700EST | | | 0 | 0 | 0 | 0 | | | TSTM Winds |
| | | | | | | | | | | | Hail (0.75) |
| | | | | | | | | | | | Four waterspouts were sighted in northern Pamlico Sound near Wanchese, Stumpy Point, Pea Island, and Oregon Inlet. All remained over water. Dime size hail was reported in Salvo as the storms moved over the Outer Banks. |
| All North Carolina | 18 | | | | 1 | 0 | 0 | 0 | | | Record High Temperatures |
| | | | | | | | | | | | Afternoon high temperatures reached over 100 degrees over much of North Carolina east of the foothills. The all-time record maximum temperature of 105 degrees at the Raleigh Durham Airport was tied. A 62 year old woman died of heat stroke in her home in Jacksonville in Onslow County. F62P |
| Warren Co. Warronton | 19 | 1615EST | | | 0 | 0 | 0 | 0 | | | TSTM Winds |
| | | | | | | | | | | | Thunderstorm winds blew down trees and power lines in southern Warronton. |
| Catawba Co. near Catawba | 20 | 1430EST | | | 0 | 0 | 4 | 0 | | | Lightning |
| | | | | | | | | | | | Lightning started a fire that destroyed a large barn just north of Catawba. |
| New Hanover Co. Wilmington | 24 | 1703EST | | | 0 | 1 | 0 | 0 | | | Lightning |
| | | | | | | | | | | | A television reporter preparing to do a live outdoor broadcast from a mobile truck unit was struck by and slightly injured by lightning. |
| Dare Co. Albemarle Sound | 26 | 1120EST | | | 0 | 0 | 0 | 0 | | | Waterspout |
| | | | | | | | | | | | A waterspout was sighted off Collington Harbor. |
| Carteret Co. Bogue Inlet | 27 | 1940EST | | | 0 | 0 | 0 | 0 | | | Waterspout |
| Pender Co. Topsail Beach | 27 | 1940EST | | | 0 | 0 | 0 | 0 | | | Waterspout |
| | | | | | | | | | | | Two waterspouts were sighted as a line of thunderstorms crossed the southern coastal area. |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|--|------|-----------------------|------------------------|-----------------------|----------------|---------|----------|-------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | PROPERTY | CROPS | |
| NORTH CAROLINA | | | | | | | | | | | |
| Iredell Co. Statesville | 28 | 1450EST | 1.5 | 75 | 0 | 0 | 5 | 0 | | | Tornado (F1) |
| <p>A small tornado touched down briefly just north of the intersection of Interstate 77 and Interstate 40 in Statesville. The tornado was produced by the remnants of Tropical Storm Chris as it moved across the area. The roof of a large factory was destroyed. Some minor damage occurred to other buildings in the area. The tornado touched down in a second area just to the north. A truck was blown into a building about a mile north of the damaged factory.</p> | | | | | | | | | | | |
| Cumberland Co. 9 N Fayetteville | 28 | 1605EST | 0.3 | 40 | 0 | 0 | 5 | 0 | | | Tornado (F1) |
| <p>A small tornado touched down about 9 miles north of Fayetteville and 3 miles west of US Highway 401 near the Community of Hunter Ridge. The tornado tore the roof off one home and damaged about 10 others. About 50 to 60 trees were uprooted or snapped in two.</p> | | | | | | | | | | | |
| Granville Co. Lewis | 29 | 0130EST | 5.0 | 50 | 0 | 1 | 5 | 0 | | | Tornado (F1) |
| <p>A small tornado from the remnants of Tropical Storm Chris touched down briefly in Lewis destroying the roof of a large two-story house. A woman on the second story was injured by flying glass. A car and a mobile home were overturned and three barns were destroyed. A few minutes later the tornado touched down again in Stovall separating the bricks from a large gymnasium wall and blowing over a few trees.</p> | | | | | | | | | | | |
| 32 NORTH DAKOTA | | | | | | | | | | | |
| Emmons County: 6SW Strasburg 4NE Hague Strasburg | 01 | 1407CST | 0.2 | 10-30 | 0 | 0 | 4 | 0 | | | Tornado (F1) |
| | 01 | 1435CST | Short | 5-15 | 0 | 0 | 4 | 0 | | | Tornado (F1) |
| | 01 | 1445CST | | | 0 | 0 | 5 | ? | | | TSTM Wind (52) |
| <p>At 1407CST, a tornado touched down on a farmstead 8 miles southwest of Strasburg. The tornado picked up and threw heavy farm machinery. This tornado also damaged fences, a fuel tank, a barn, and other farm buildings. At 1435CST, another tornado touched down 4 miles northeast of Hague. It flipped an airplane and ripped the roof off of a barn. At 1445CST, winds to 60 mph were reported in the town of Strasburg. Strong winds were widespread over southern Emmons County; heavy equipment was blown up to several hundred feet away and many farm buildings were damaged.</p> | | | | | | | | | | | |
| Logan County, 2NW Lehr | 01 | 1540CST | | | 0 | 0 | 0 | 0 | | | TSTM Wind |
| <p>Strong winds broke off large tree branches.</p> | | | | | | | | | | | |
| Burke County, Bowbells | 02 | 1230CST | | | 0 | 0 | 0 | 0 | | | Hail (0.75) |
| Ward County, Minor Air Force Base | 06 | 1859CST | | | 0 | 0 | 0 | 0 | | | TSTM Wind (55) |
| Bottineau County: 6SE Lansford 2SE Lansford | 06 | 1925CST | | | 0 | 0 | 4 | 0 | | | TSTM Wind |
| | 06 | 1941CST | | | 0 | 0 | 4 | 0 | | | TSTM Wind (56) |
| <p>At 1925CST, strong winds demolished a barn and toppled a windmill 6 miles southeast of Lansford. At 1941CST, winds to 64 mph occurred 2 miles southeast of Lansford, moving a quonset hut.</p> | | | | | | | | | | | |
| Nelson County, Tolna | 10 | 1800CST | | | 0 | 0 | 5 | 0 | | | TSTM Wind (59) |
| <p>Strong winds damaged some farm buildings in western Nelson County.</p> | | | | | | | | | | | |
| Traill County: 1E Mayville 1S Hillsboro | 10 | 2202CST | | | 0 | 0 | 0 | 0 | | | Hail (1.75) |
| | 10 | 2310CST | | | 0 | 0 | 0 | 0 | | | TSTM Wind (52) |
| Cass County: Gardner Gardner | 10 | 2300CST | | | 0 | 0 | 0 | 0 | | | TSTM Wind (52) |
| | 10 | 2305CST | | | 0 | 0 | 0 | 0 | | | Hail (1.00) |
| Dickey County, Ellendale | 11 | 1920CST | | | 0 | 0 | 0 | 0 | | | Hail (1.75) |
| Barnes County: 1W Litchville 4E Wimbledon | 11 | 1930CST | | | 0 | 0 | ? | ? | | | Hail (2.00) |
| | 11 | 2030CST | | | 0 | 0 | ? | ? | | | Hail (1.75) |
| Golden Valley County: 1S Sentinel Butte Beach 13E Colva | 11 | 2030CST | | | 0 | 0 | 4 | 0 | | | TSTM Wind |
| | 11 | 2056CST | | | 0 | 0 | ? | ? | | | Hail (1.75) |
| | 11 | 2205CST | | | 0 | 0 | ? | ? | | | Hail (1.75) |
| <p>Strong winds blew the upper sections off two barns.</p> | | | | | | | | | | | |
| NORTH DAKOTA | | | | | | | | | | | |
| Bottineau County, 37N Minor | 14 | 1625CST | | | 0 | 0 | 5 | 0 | | | TSTM Wind (67) |
| <p>The winds lifted a grain bin off of its foundation, and caused damage to other farm buildings in extreme western Bottineau County.</p> | | | | | | | | | | | |
| Renville County, Sherwood | 14 | 1700CST | | | 0 | 0 | 4 | 4 | | | Hail (1.75) |
| <p>Golfball-sized hail punched holes in a barn while high winds caused damage to farm buildings in northern Renville County.</p> | | | | | | | | | | | |
| McHenry County: 5NW Towner | 14 | 1740CST | Short | 5-15 | 0 | 0 | 0 | 0 | | | Tornado (F0) |
| | | | | | 0 | 0 | 5 | ? | | | TSTM Wind |
| 10W Drake | 14 | 2056CST | | | 0 | 0 | 0 | 0 | | | TSTM Wind (52) |
| <p>At 1740CST, a tornado was observed by an ambulance crew 5 miles northwest of Towner, moving toward the southeast, then lifting back into the clouds. No damage was reported. However, strong winds with the same thunderstorm flipped over trailers, scattered hay bales, and damaged farm buildings. At 2056CST, wind gusts to 60 mph occurred 10 miles west of Drake.</p> | | | | | | | | | | | |
| Williams County, 5S Tioga | 14 | 1800CST | | | 0 | 0 | 4 | 0 | | | TSTM Wind |
| <p>High winds lifted the roof off of a trailer home.</p> | | | | | | | | | | | |
| Benson County, 3S Esmond | 14 | 1815CST | | | 0 | 0 | 4 | ? | | | Hail (2.75) |
| <p>Baseball-sized hail smashed through the top of a van and caused extensive damage to the vehicle. The hailstorm lasted about 45 minutes, and the occupants of the van had to take shelter under a table and blankets.</p> | | | | | | | | | | | |
| Pierce County: 15SW Rugby 1N Selz | 14 | 1815CST | | | 0 | 0 | 6 | 6 | | | Hail (1.75) |
| | 14 | 1840CST | | | 0 | 0 | 5 | 0 | | | TSTM Wind |
| <p>Winds leveled a large barn and damaged other farm buildings in southern Pierce County, while hail caused extensive damage to vehicles and cropland.</p> | | | | | | | | | | | |
| Wells County, Hamberg | 14 | 1930CST | | | 0 | 0 | 4 | 4 | | | Hail (2.75) |
| <p>Baseball-sized hail broke windows, damaged cars and roofs, and killed chickens.</p> | | | | | | | | | | | |
| Billings County | 15 | 1500CST | | | 0 | 0 | 5 | ? | | | Lightning |
| <p>Lightning strikes in northern Billings County caused grass fires that burned 2300 acres in the Badlands and ignited seven coal veins.</p> | | | | | | | | | | | |
| McLean County | 15 | 2030CST | | | 0 | 0 | ? | ? | | | Lightning |
| <p>Lightning strikes caused grass fires, burning over 1000 acres.</p> | | | | | | | | | | | |
| Bottineau County: 4NE Lansford 10SW Antler 2SW Lansford Bottineau 1N Willow City Willow City | 16 | 1930CST | Short | 5-15 | 0 | 0 | 0 | 0 | | | Tornado (F0) |
| | 16 | 1941CST | Short | 5-15 | 0 | 0 | 0 | 0 | | | Tornado (F0) |
| | 16 | 1945CST | Short | 5-15 | 0 | 0 | 0 | 0 | | | Tornado (F0) |
| | 16 | 2015CST | | | 0 | 0 | 5 | 0 | | | TSTM Wind |
| | 16 | 2046CST | Short | 5-15 | 0 | 0 | 0 | 0 | | | Tornado (F0) |
| | 16 | 2115CST | | | 0 | 0 | ? | ? | | | Hail (1.75) |
| <p>Four brief tornado touchdowns were sighted in western Bottineau County from a large and long-lived severe thunderstorm, while strong winds downed trees and power lines in the town of Bottineau as well as other towns and communities throughout Bottineau County. Golfball-sized hail was reported in eastern Bottineau County as this giant thunderstorm cell moved east-southeastward.</p> | | | | | | | | | | | |
| Richland County: Hankinson 8S Hankinson | 16 | 1930CST | | | 0 | 0 | 4 | 4 | | | Hail (1.75) |
| | 16 | 1930CST | | | 0 | 0 | 4 | 0 | | | TSTM Wind |
| <p>Golfball-sized hail occurred in the town of Hankinson. Eight miles south of Hankinson, strong winds blew down large trees, downed power lines, and destroyed a few outbuildings. These winds occurred with golfball-sized hail.</p> | | | | | | | | | | | |
| Ward County, 15NE Minor Air Force Base | 16 | 1940CST | | | | | | | | | Funnel Cloud |
| Renville County: 5S Sherwood 1S Mohall 2W Lorraine Sherwood | 16 | 1942CST | Short | 5-15 | 0 | 0 | 0 | 0 | | | Tornado (F0) |
| | 16 | 2000CST | Short | 5-15 | 0 | 0 | 5 | 5 | | | Tornado (F0) |
| | 16 | 2000CST | Short | 5-15 | 0 | 0 | 4 | 0 | | | Tornado (F0) |
| | 16 | 2130CST | | | | | | | | | Funnel Cloud |
| <p>A tornado touched down one mile south of Mohall. This tornado harvested a wide strip of sunflowers, scattered a barn and several smaller outbuildings, and picked up a combine and deposited it in nearby trees.</p> | | | | | | | | | | | |
| <p>Another tornado touched down two miles west of Lorraine. This tornado picked up and destroyed a car, scattering its pieces 100 yards away.</p> | | | | | | | | | | | |
| <p>A brief tornado touchdown was reported 5 miles south of Sherwood. All these tornadoes were spawned by the same severe thunderstorm that affected western Bottineau County.</p> | | | | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|---|--|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| NORTH DAKOTA | | | | | | | | | |
| Rolette County: SW Rolette IS Rolette | 16 | 2132CST | | | | | | | Funnel Cloud |
| | 16 | 2141CST | 1.0 | 100 | 0 | 0 | 5 | ? | Tornado (F1) |
| | A tornado was sighted one mile south of Rolette moving eastward. The tornado destroyed two aircraft and two hangars, caused heavy structural damage to veterinary clinic, tore the roof off of a meat-packing plant, caused heavy damage to an antique car collection, uprooted an 80-foot tree, tore apart a barn, and downed power lines. | | | | | | | | |
| Towner County, Cando | 16 | 2213CST | Short | 5-15 | 0 | 0 | 0 | 0 | Tornado (F0) |
| | A tornado touched down briefly. | | | | | | | | |
| Ramsey County: IW Garske INE Doyon | 16 | 2244CST | | | | | | | Funnel Cloud |
| | 16 | 2310CST | | | 0 | 0 | 0 | 0 | Hail (1.00) |
| Nelson County, Lakota | 16 | 2334CST | | | 0 | 0 | 5 | 5 | Hail (3.00) |
| | The hail caused extensive damage to buildings, vehicles, trailer houses and crops. | | | | | | | | |
| Divide County: Noonan ZE Fortuna | 20 | 2100CST | | | 0 | 0 | 0 | 0 | TSTM Wind (55) |
| | 20 | 2215CST | | | 0 | 0 | ? | ? | Hail (1.75) |
| Cass County: IW West Fargo Fargo | 22 | 1748CST | | | | | | | TSTM Wind (52) |
| | 22 | 1759CST | | | | | | | TSTM Wind (52) |
| | Strong winds with a line of fast-moving thunderstorms moved through the Fargo area. Winds to 60 mph were recorded at the Fargo airport. The winds blew down some fences. | | | | | | | | |
| 33 OHIO | | | | | | | | | |
| Summit County | 02 | 1347 EST | | | 0 | 0 | 4 | 0 | Lightning |
| Summit County | 02 | 1425 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Portage County | 02 | 1503 EST | | | 0 | 0 | ? | 0 | Hail (0.75) |
| Geauga County | 02 | 1515 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorms produced large hail and damaging winds in these counties. Lightning struck a house in Akron, Summit County, and the ensuing fire did \$20,000 damage. Trees and power lines were blown down in Akron and one-inch hail fell in Fairlawn, Summit County. Three-quarter inch hail fell in Aurora and Garrettsville, Portage County. A dumpster was flipped over and a bandstand stage was overturned in Burton, Geauga County. | | | | | | | | |
| Ashland County | 02 | 1600 EST | | | 0 | 0 | ? | 0 | Hail (1.75) |
| Ashland County | 02 | 1645 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorms dropped golfball size hail near Sullivan, then later produced winds which blew down trees in the city of Ashland. | | | | | | | | |
| Union County | 02 | 1630 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Franklin County | 02 | 1756 EST | | | 0 | 0 | ? | 0 | Hail (1.0) |
| Franklin County | 02 | 1815 EST | | | 0 | 0 | ? | 0 | Hail (1.75) |
| Payette County | 02 | 1830 EST | | | 0 | 0 | 4 | 0 | Lightning |
| Morgan County | 02 | 1915 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorms moved through these counties producing damaging winds and large hail. A barn was destroyed just north of Plain City, Union County. One-inch diameter hail fell at the Ohio State University Airport then golfball size hail fell in Worthington near the intersection of Interstate 270 and State Route 315, Franklin County. Lightning struck a greenhouse in Washington Court House and the ensuing fire did \$40,000 damage, Fayette County. Numerous trees were blown down in McConnelsville, Morgan County. | | | | | | | | |
| Columbiana County | 02 | 1710 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorm winds blew down trees in East Liverpool. | | | | | | | | |
| Coshocton County | 02 | 1810 EST | | | 0 | 2 | 0 | 0 | Lightning |
| | Lightning struck a large coal shovel near Plainfield. One man was injured by the first bolt. While a second man was administering first aid, another bolt struck and injured both of them. | | | | | | | | |
| Clinton County | 03 | 1800 EST | | | 0 | 1 | 0 | 0 | Lightning |
| | Lightning injured a 20 year old man while he was standing near a building in Blanchester. | | | | | | | | |
| OHIO | | | | | | | | | |
| Brown County | 05 | 1415 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorm winds blew down trees in Mount Orab. | | | | | | | | |
| Cuyahoga County | 05 | 1400 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Medina County | 05 | 1420 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Lake County | 05 | 1430 EST | | | 0 | 3 | 0 | 0 | Lightning |
| Summit County | 05 | 1500 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Medina County | 05 | 1520 EST | | | 0 | 4 | 0 | 0 | Lightning |
| | Thunderstorms produced wind damage in these counties. A roof was blown off a building in downtown Cleveland and trees were blown down in some eastern suburbs, Cuyahoga County. Trees and power lines were blown down in the city of Medina, Medina County. Lightning injured 3 golfers in Willoughby, Lake County. Trees were blown down in Copley, near Interstate 77 and State Route 18, Summit County. Lightning struck a golf course shelter in Guildford Township, Medina County. Fourteen men were inside and 4 were injured. | | | | | | | | |
| Hancock County | 05 | 1628 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Ottawa County | 05 | 1708 EST | | | 1 | 0 | 0 | 0 | Lightning |
| Wyandot County | 05 | 1720 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Ottawa County | 05 | 1738 EST | | | 0 | 1 | 0 | 0 | Lightning |
| Sandusky County | 05 | 1750 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Seneca County | 05 | 1753 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Erie County | 05 | 1815 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Huron County | 05 | 1820 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Knox County | 05 | 1830 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorms produced damaging winds in these counties. Winds gusted to 63 mph at the Findlay airport and trees were blown down in Findlay, Hancock County. A 63 year old man was killed by lightning while walking in an open area near Lake Erie, in Bay Township, Ottawa County. Trees were blown down and a building was damaged 3 miles north of Upper Sandusky, Wyandot County. Lightning struck a 34 year old woman while she was standing near her van in East Harbor State Park, Ottawa County. Trees and power lines were blown down in and south of Fremont, Sandusky County. Railroad gates were damaged near Old Port and trees and power lines were blown down throughout Seneca County. Trees were blown down in Bay View and the southern part of Erie County. 50 to 60 mph winds occurred in Bellevue and a 3 foot diameter tree was blown down in Monroeville, Huron County. Numerous trees and power lines were blown down on the east side of Mount Vernon and in Gambier, Knox County. Lightning M630. | | | | | | | | |
| Madison County | 05 | 1745 EST | | | 0 | 0 | 4 | 0 | Lightning |
| Madison County | 05 | 1830 EST | | | 0 | 0 | 5 | 0 | Lightning |
| | Lightning struck a barn at the London Correctional Institution on State Route 56 and the ensuing fire did \$20,000 damage. Lightning struck a house in Choctaw Lake and the ensuing fire did \$400,000 damage. | | | | | | | | |
| Jackson County | 05 | 1835 EST | | | 0 | 0 | 5 | 0 | Thunderstorm Wind |
| | Thunderstorm winds blew down numerous trees in Petrea. One uprooted tree fell onto a church and destroyed it at the intersection of Fairgreens Road and State Route 788. | | | | | | | | |
| Clermont County | 05 | 1935 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorm winds blew down trees and power lines in New Richmond. | | | | | | | | |
| Licking County | 10 | 1700 EST | | | 0 | 4 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorm winds blew down numerous tents at the Hartford Fair, injuring 4 people. | | | | | | | | |
| Lucas County | 11 | 1509 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | A thunderstorm produced 75 mph winds at the Toledo airport. | | | | | | | | |
| Ashtabula County | 11 | 1937 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorm winds blew down numerous trees, overturned a mobile home and blew off part of a barn roof near State Route 322 and 193 in Wayne Township. | | | | | | | | |
| Henry County | 12 | 1425 EST | | | 0 | 0 | ? | 0 | Hail (1.0) |
| | A thunderstorm produced one-inch diameter hail 3 miles west of Napoleon. | | | | | | | | |
| Lucas County | 14 | 1345 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Fulton County | 14 | 1400 EST | | | 0 | 0 | 5 | 0 | Lightning |
| Lorain County | 14 | 1552 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Cuyahoga County | 14 | 1628 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Ashtabula County | 14 | 1715 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorms produced damaging winds in these counties. Two cars were damaged in Whitehouse, and numerous trees were blown down across Lucas County. Lightning struck a large feed mill in Wauseon, Fulton County, and the ensuing fire destroyed it. Winds gusted to 79 mph at the Lorain Light House, Lorain County. Wind gusted to 60 mph at the Cleveland Coast Guard, numerous boats capsized in Cleveland Harbor, and branches and power lines were blown down in northeast Cleveland, Cuyahoga County. Winds gusted to 72 mph at the Ashtabula Light House, Ashtabula County. | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------------------------------------|---|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| OHIO | | | | | | | | | |
| Ottawa County | 15 | 0050 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Lorain County | 15 | 0130 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorm winds blew down trees and a water tower at Put-in-Bay, Ottawa County. Later these same thunderstorms blew down trees and power lines across Lorain County. | | | | | | | | |
| Defiance County | 15 | 0915 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorm winds blew down trees and power lines across the county. | | | | | | | | |
| Delaware County | 15 | 1110 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Union County | 15 | 1120 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Hail (0.75) | | | | | | | | |
| Franklin County | 15 | 1125 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Madison County | 15 | 1150 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Hail (0.75) | | | | | | | | |
| Fairfield County | 15 | 1200 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Stark County | 15 | 1210 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Jackson County | 15 | 1230 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Columbiana County | 15 | 1320 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | A line of thunderstorms moved across these counties producing damaging winds. Numerous trees and power lines were blown down in and around the city of Delaware, Delaware County. Numerous trees and power lines were blown down in Marysville and Mildford-Center, and three-quarter inch diameter hail fell across Union County. Power lines and tents were blown down at the Ohio State Fair in Columbus and numerous trees were blown down across northwest Franklin County. Three-quarter inch diameter hail broke windows in the village of Midway/Sedalia and blew down trees 7 miles south of Plain City, Madison County. Numerous trees were downed and some structural damage occurred to houses and cars in Lancaster, Fairfield County. Numerous trees and power lines were also downed across Stark County. Trees and power lines were downed and a mobile home was damaged in Wellston, Jackson County. Winds gusted to 60 mph at the Westpoint Fire Department, and trees and power lines were blown down in East Liverpool and Wellsville, Columbiana County. | | | | | | | | |
| Fayette County | 15 | 1835 EST | | | 0 | 0 | 5 | 0 | Thunderstorm Wind |
| | Hail (0.75) | | | | | | | | |
| | Three-quarter inch diameter hail fell and a large tree was blown onto a house, causing extensive damage to it, in Washington Court House. Trailers were overturned and awnings were blown off at a campground near the intersection of US 41 and Interstate 71. | | | | | | | | |
| Hocking County | 15 | 1925 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorm winds blew down trees and power lines near Old Man's Cave in the southern part of the county. | | | | | | | | |
| Champaign County | 18 | 1700 EST | | | 0 | 0 | 5 | 0 | Lightning |
| | Lightning struck a house in Urbana and the ensuing fire did \$100,000 in damage. | | | | | | | | |
| Darke County | 18 | 1855 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | Thunderstorm winds blew down numerous trees in and around Greenville. | | | | | | | | |
| Madison County | 18 | 1900 EST | | | 0 | 0 | 5 | 0 | Thunderstorm Wind |
| | Thunderstorm winds destroyed 2 outbuildings, damaged 2 cats and blew down trees along Chuckery-Lombard Road, just west of Plain City. | | | | | | | | |
| Entire State | Entire Month | | | | 0 | 0 | 0 | 0 | Drought |
| | Drought conditions continued during August across all of Ohio even though the state received near normal rainfall. The state averaged three and fifty-five hundredths (3.55") inches, which was 102 percent of normal. | | | | | | | | |
| | Even though this was the second month in a row with slightly above normal rainfall, crops across the state were still struggling and some towns and cities continued water conservation measures. | | | | | | | | |
| | Rainfall needed to end the long term drought remained between 4 and 11 inches. The Palmer Drought Severity Index was in the extreme category over Northwest, West-Central and South-Central Ohio. Moderate conditions were occurring across the Central Hills, Northeast Hills and Northeast Sections. The remainder of Ohio was in the severe category. | | | | | | | | |
| 34 OKLAHOMA | | | | | | | | | |
| LeFlore County, 5 SW Poteau | 01 | 1330CST | | | 0 | 3 | ? | ? | Lightning |
| | Three men were struck by lightning while working in a corral with cattle. | | | | | | | | |
| Seminole County, 3 NW Cromwell | 03 | 1620CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Cleveland County, Moore | 03 | 1630CST | | | 0 | 0 | ? | ? | Hail (0.75) |
| Haskell County, Stigler | 03 | 1630CST | | | 0 | 0 | 4 | ? | TSTM Wind |
| Latimer County, near Red Oak | 03 | 1710CST | | | 0 | 0 | 3 | ? | TSTM Wind (52) |
| Latimer County, Red Oak | 03 | 1715CST | | | 0 | 0 | ? | ? | Hail (1.00) |
| | Isolated thunderstorms across eastern sections caused scattered hail up to the one inch size and very strong winds. Strong winds downed trees and power lines and took off part of a roof in Red Oak. A wall was blown down in Stigler which fell on a truck and car. Several large trees were uprooted in Stigler and a house lost part of its roof. Damage in Red Oak was about \$4,000, and damage in Stigler was estimated at \$45,000. | | | | | | | | |
| Washington County, Bartlesville | 04 | 1445CST | | | 0 | 0 | 4 | ? | TSTM Wind |
| | A collapsing thunderstorm caused strong winds which destroyed one mobile home and damaged two others. A large metal building and several other barns were damaged around Bartlesville with many trees and power lines being blown down. Damage was estimated at around \$45,000. | | | | | | | | |
| Oklahoma County, Edmond | 05 | 1410CST | | | 0 | 0 | ? | ? | TSTM Wind (60) |
| Bryan County, Durant | 05 | 1415CST | | | 0 | 0 | 4 | ? | TSTM Wind (60) |
| Oklahoma County, 3 SE Luther | 05 | 1500CST | | | 0 | 0 | ? | ? | TSTM Wind |
| | Several isolated thunderstorms produced very heavy rain and winds up to 70 mph. A barn valued at \$20,000 was destroyed 3 miles southeast of Luther. Damage at the Oak Tree Country Club in Edmond included trees uprooted, tents blown down, and telephone poles snapped. This caused the PGA championship to be delayed several days. Damage was set at \$5,000. A thunderstorm collapsed 21 thousand feet in less than 10 minutes, producing very strong winds near Durant. Trees and power poles were downed and several buildings were damaged. Nearly four inches of rain fell in less than an hour. Damage was estimated at \$7,000. | | | | | | | | |
| Washington County, Bartlesville | 09 | 1400CST | | | 0 | 0 | ? | ? | TSTM Wind (52) |
| Comanche County, Lawton | 09 | 1402CST | | | 0 | 0 | ? | ? | TSTM Wind (56) |
| Caddo County, Anadarko | 09 | 1430CST | | | 0 | 0 | 4 | ? | TSTM Wind (56) |
| Washita County, Colony | 09 | 1435CST | | | 0 | 0 | ? | ? | TSTM Wind (60) |
| Oklahoma County, 3 W Edmond | 09 | 1437CST | | | 0 | 0 | 5 | ? | TSTM Wind (52) |
| Tulsa County, Tulsa | 09 | 1445CST | | | 0 | 0 | ? | ? | Hail (0.75) |
| Grady County, 10 NE Chickasha | 09 | 1445CST | | | 0 | 0 | 4 | ? | TSTM Wind |
| Canadian County, Piedmont | 09 | 1450CST | | | 0 | 0 | 4 | ? | TSTM Wind |
| Rogers County, Talala | 09 | 1500CST | | | 0 | 0 | ? | ? | Hail (1.00) |
| Oklahoma County, N Oklahoma City | 09 | 1515CST | | | 0 | 0 | ? | ? | TSTM Wind (52) |
| Oklahoma County, N Oklahoma City | 09 | 1540CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Oklahoma County, Jones | 09 | 1548CST | | | 0 | 0 | ? | ? | Hail (0.75) |
| Oklahoma County, Harrah | 09 | 1600CST | | | 0 | 0 | 4 | ? | TSTM Wind (80) |
| McClain County, 5 S Newcastle | 09 | 1609CST | | | 0 | 0 | ? | ? | Hail (0.88) |
| Canadian County, 6 SW Yukon | 09 | 1615CST | | | 0 | 0 | ? | ? | TSTM Wind |
| McClain County, 3 S Goldsby | 09 | 1630CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Lincoln County, 2 N Stroud | 09 | 1707CST | | | 0 | 0 | ? | ? | Hail (0.75) |
| Cleveland County, E Norman | 09 | 1715CST | | | 0 | 0 | ? | ? | TSTM Wind |
| McClain County, near Purcell | 09 | 1730CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Lincoln County, Prague | 09 | 1730CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Oklahoma County, Midwest City | 09 | 1750CST | | | 1 | 0 | ? | ? | Lightning |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|--|---------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| OKLAHOMA | | | | | | | | | |
| | | | | | | | | | Scattered thunderstorms developed across the state providing some beneficial rains to many areas. The storms also produced winds up to 80 mph and scattered hail up to the one inch size. The wind downed many trees and power lines and blew down several barns and outbuildings. A church received \$150,000 damage in northwest Oklahoma City when the roof was taken off. A church in Piedmont received \$3,000 damage to its roof, and a school and grocery store received \$5,000 damage. Strong winds blew in several large windows in Anadarko and damaged several roofs. Several barns were destroyed near Herralh. A 12 year old girl was struck by lightning while going to the mail box and remained in a coma until expiring on 8/20. LIGHTNING F120. |
| Woods County, Alva | 10 | 1800CST | | | 0 | 0 | ? | ? | TSTM Wind |
| | | | | | | | | | Strong winds uprooted trees and downed power lines. |
| Tillman County, W of Frederick | 15 | 1300CST | | | 1 | 0 | ? | ? | Heat |
| | | | | | | | | | A 63 year old man died of heatstroke while working on his farm. HEAT M630. |
| Kiowa County, Cotebo | 17 | 1315CST | | | 0 | 0 | 3 | ? | TSTM Wind |
| Custer County, 2 N Weatherford | 17 | 1620CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Texas County, Hooker | 17 | 1620CST | | | 0 | 0 | 3 | ? | TSTM Wind |
| Harper County, 17 SE Buffalo | 17 | 1800CST | | | 0 | 0 | 4 | ? | TSTM Wind (80) |
| | | | | | | | | | Isolated thunderstorms produced strong winds which downed power poles and lines north of Weatherford and downed trees and power poles southeast of Buffalo. A roof was also damaged and a barn lost half of its roof southeast of Buffalo. Damage was estimated at \$10,000. A trailer was also overturned at Cotebo, with damage estimated at \$2,000. Winds downed power poles, destroyed a county building and overturned a semi-trailer at Hooker. Damage was estimated at \$3,000. |
| Delaware County, Jay | 18 | 1500CST | | | 1 | 1 | ? | ? | Lightning |
| | | | | | | | | | Lightning struck two men working at a processing plant. LIGHTNING M250. |
| Pittsburg County, SW Pittsburg Co. | 19 | 1330CST | | | 0 | 0 | ? | ? | TSTM Wind (65) |
| Canadian County, Yukon | 19 | 1445CST | | | 0 | 0 | 4 | ? | TSTM Wind |
| Oklahoma County, Warr Acres | 19 | 1510CST | | | 0 | 0 | ? | ? | TSTM Wind (50) |
| Oklahoma County, Choctaw | 19 | 1520CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Oklahoma County, Bethany | 19 | 1535CST | | | 0 | 0 | 3 | ? | TSTM Wind |
| Grady County, Chickasha | 19 | 1600CST | | | 0 | 0 | 3 | ? | TSTM Wind |
| | | | | | | | | | A line of thunderstorms moved eastward producing damaging winds. Part of a roof was taken off and a cattle trailer was overturned in Yukon. The wind downed trees and power poles and lines and blew several large signs over. A trailer was damaged at Chickasha. Total damage was estimated at \$25,000. |
| Pittsburg County, McAlester | 21 | 1600CST | | | 0 | 0 | 3 | ? | TSTM Wind |
| | | | | | | | | | A collapsing thunderstorm caused strong winds to uproot many large trees, blow out several windows and destroy one canopy. Damage was estimated at \$2,000. |
| McCurtain County, S McCurtain Co. | 23 | 1645CST | | | 0 | 0 | ? | ? | Hail (1.00) TSTM Wind |
| McCurtain County, Broken Bow | 23 | 1800CST | | | 0 | 0 | 4 | ? | TSTM Wind |
| | | | | | | | | | Several thunderstorms produced some hail up to one-inch diameter in size and strong winds that downed trees and power lines across southern McCurtain County. Several trees fell on houses and automobiles. Damage was estimated at \$6,000. |
| Logan County, 3 W Crescent | 25 | 2200CST | | | 0 | 0 | 4 | ? | TSTM Wind (52) |
| Logan County, 3 W Crescent | 25 | 2200CST | | | 0 | 0 | ? | ? | Hail (0.88) |
| | | | | | | | | | A probable microburst occurred near Crescent, heavily damaging several houses and barns within 1 to 1 1/2 miles of each other. Debris from a barn was strewn one mile in all directions. Many large oak trees were downed. One house had an 8 foot long and 4 inch wide tree limb driven through the roof. Several mobile homes and buildings were damaged, and many fences were blown down. Damage was estimated at \$40,000. |
| 35 OREGON | | | | | | | | | |
| OR2011 Union and Wallwa Counties | 13 est. | 1600PST | | | 0 | 0 | 6 | ? | Lightning |
| | 14 est. | 1600PST | | | | | | | Frequent lightning from thunderstorm occurring on three successive afternoons ignited numerous forest fires in the northeastern mountains. By the end of the month over 50,000 acres of forest and brush lands were consumed. |
| OR2005 Josephine and Jackson Counties | 23 est. | 1600PST | | | 0 | 0 | 6 | ? | Lightning |
| | | | | | | | | | Lightning from late afternoon thunderstorms caused several forest fires near the Grants Pass area. Several tens of thousands of acres were burned before the fires were controlled at the end of the month. |
| 36 PENNSYLVANIA, Eastern | | | | | | | | | |
| Franklin Co: 1 E Chambersburg Waynesboro 1 S New Franklin | 6 | 1405 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 6 | 1416 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 6 | 1425 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm wind gusts brought trees down east of Chambersburg and south of New Franklin. Power lines were blown down onto a house in Waynesboro. |
| Cumberland Co: New Kingston New Kingston Huntern Run 5 S Mt. Holly Springs | 6 | 1434 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 6 | 1435 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 6 | 1445 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 6 | 1450 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm wind gusts brought down trees in New Kingston and Huntern Run. To the south of Mt. Holly Springs the wind pushed two house trailers off their foundations. |
| Dauphin Co. Celestial Park | 6 | 1510 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm wind gusts brought down trees. |
| Adams Co: Jettysburg 1 N York Springs Bendersville York Springs East Berlin | 6 | 1540 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 6 | 1540 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 6 | 1600 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 6 | 1600 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 6 | 1600 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm wind gusts brought down trees. |
| York Co: Franklistown Hillsburg 5 SW York | 6 | 1600 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 6 | 1600 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 6 | 1622 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm wind gusts brought down trees. |
| Bradford Co: 1 SE Le Roy 2 E Canton | 11 | 1430 EST | | | 0 | 0 | 2 | ? | Hail(1.0) |
| | 11 | 1605 EST | | | 0 | 0 | 3 | ? | Hail(1.0) |
| 2 N Canton | 11 | 1650 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| 2.5 N Canton | 11 | 1650 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorms brought nickel size hail and strong winds southeast of Le Roy. Quarter size hail fell east of Canton and several trees and large limbs were blown down. Thunderstorms uprooted several trees 2 miles north of Canton and tore a portion of the roof off a barn 2.5 miles north of Canton. |
| Fulton Co. 3 NW McConnellsbury | 15 | 1556 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm wind gusts brought down large tree limbs. |
| Franklin Co: 6 W Mercersburg State Line 5 N Waynesboro 7.5 SW Chambersburg Williamson 10 S Chambersburg 4 S Greencastle | 15 | 1600 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 15 | 1612 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 15 | 1617 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 15 | 1619 EST | | | 0 | 0 | 3 | 0 | TSTM Wind(52) |
| | 15 | 1621 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 15 | 1623 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | 15 | 1632 EST | | | 0 | 0 | 3 | 0 | TSTM Wind |
| | | | | | | | | | Thunderstorm wind gusts brought down trees west of Mercersburg, in State Line, north of Waynesboro, southeast of Chambersburg, in Williamson and south of Greencastle. A motorcyclist was killed when he swerved to miss a fallen tree west of Mercersburg. To the south of Greencastle one of the fallen trees came down on a mobile home. The wind gusts were estimated at 60 MPH southwest of Chambersburg. To the south of Chambersburg the winds brought down a TV antenna and a HAM antenna. |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

PENNSYLVANIA, Eastern

| | | | | | | | | |
|--|-------------|---|---|---|-----------|---------------|--|--|
| Adams Co: 5 SW Gettysburg | 15 1652 EST | 0 | 0 | 3 | 0 | TSTM Wind | | |
| 1 W Littlestown | 15 1655 EST | 0 | 0 | 3 | 0 | TSTM Wind | | |
| Bonneauville | 15 1659 EST | 0 | 0 | 3 | 0 | TSTM Wind | Thunderstorm wind gusts brought down trees and an awning southwest of Gettysburg. The wind gusts brought down trees and power lines west of Littlestown and in Bonneauville. | |
| York Co. Hanover | 15 1704 EST | 0 | 0 | 3 | 0 | TSTM Wind | Thunderstorm wind gusts brought down trees and power lines. | |
| Tioga Co. Middlebury Center | 17 1100 EST | 0 | 0 | 3 | 0 | TSTM Wind | Thunderstorm wind gusts uprooted several trees. | |
| Sullivan Co: Shunk | 17 1140 EST | 0 | 0 | 3 | 0 | TSTM Wind | Thunderstorm wind gusts uprooted a few trees and brought down many large limbs in Shunk. Southwest of Laporte 35 to 45 trees were downed with several snapped off and many uprooted. | |
| 9 SE Laporte | 17 1150 EST | 0 | 0 | 3 | 0 | TSTM Wind | | |
| Luzerne Co: Huntington Mills | 17 1200 EST | 0 | 0 | 3 | 0 | TSTM Wind | In Huntington Mills a thunderstorm brought down trees and power lines and dropped 3/4 inch hail around 1 PM EDT. A second thunderstorm shortly after 5 PM EDT brought down more trees and power lines. Thunderstorm wind gusts brought down many trees and power lines in the area from Wyoming to Wilkes-Barre to Mountain Top which is near Glenn Summit. In Wilkes-Barre one tree came down on an automobile, injuring two people inside. Many trees and power lines were also downed in and around Hazleton. | |
| 17 1605 EST | 0 | 0 | 3 | 0 | TSTM Wind | | | |
| 17 1620 EST | 0 | 0 | 3 | 0 | TSTM Wind | | | |
| 17 1630 EST | 0 | 0 | 3 | 0 | TSTM Wind | | | |
| 17 1630 EST | 0 | 2 | 3 | 0 | TSTM Wind | | | |
| Columbia Co. Berwick | 17 1220 EST | 0 | 0 | 3 | 0 | TSTM Wind | Thunderstorm wind gusts brought down trees and power lines. | |
| Berks Co. 2 W Douglasville | 17 1715 EST | 0 | 0 | 4 | 0 | TSTM Wind | Thunderstorm wind gusts brought down numerous tree limbs and several large trees, overturned a shed and peeled back 2 metal barn roofs. | |
| Philadelphia Co. Northeast Philadelphia | 17 1730 EST | 0 | 0 | ? | 0 | TSTM Wind(82) | Thunderstorm wind gusts were estimated at 75 to 95 MPH. | |
| Montgomery Co. 2 S Ambler | 17 1735 EST | 0 | 0 | 3 | 0 | TSTM Wind | Thunderstorm wind gusts brought down trees, which resulted in several blocked roads. | |
| Bucks Co. 2 NW Croyden | 17 1755 EST | 0 | 0 | 3 | 0 | TSTM Wind(61) | Thunderstorm wind gusts estimated at 70 MPH ripped a sign off a post in front of a business. | |
| Delaware Co. Marcus Hook | 17 1800 EST | 0 | 0 | 4 | 0 | TSTM Wind | Thunderstorm wind gusts scattered cinder blocks, brought down trees and utility poles, mangled a pavilion and blew furniture out of a screen house in Marcus Hook. In Twin Oaks, just northwest of Marcus Hook, two trees were uprooted, a camper was blown off its platform and a fence was flattened to the ground. About 150,000 customers had power outages across southeastern Pennsylvania on the 17th. | |
| Montgomery Co. Green Lane | 24 1930 EST | 0 | 0 | 5 | 0 | Lightning | A lightning-caused fire destroyed a barn and a large amount of hay stored inside. | |
| Bucks Co: Warmiamater | 24 1940 EST | 0 | 0 | ? | ? | TSTM Wind(87) | Thunderstorm wind gusts were estimated at 100 MPH in Warmiamater. Shortly after this, numerous trees were snapped off or uprooted, some as large as 3 feet in diameter. Several fences and sheds were damaged and quarter size hail fell. In Levittown several trees were downed by winds estimated at 60 MPH. | |
| Warmiamater | 24 1950 EST | 0 | 0 | 4 | 0 | TSTM Wind | | |
| Levittown | 24 2022 EST | 0 | 0 | 3 | 0 | TSTM Wind(52) | | |

PENNSYLVANIA, Eastern

| | | | | | | | | | |
|--|--------------------|---|---|---|---|---------------|--|--|--|
| Philadelphia Co: 2 N North Phila. Arpt. | 24 2000 EST | 0 | 0 | ? | 0 | TSTM Wind(52) | Thunderstorm wind gusts estimated at 60 MPH were reported north of the North Philadelphia Airport around 9 PM EDT. Shortly after this, numerous power lines were downed to the north and northeast of the airport. | | |
| 2 N North Phila. Arpt. | 24 2010 EST | 0 | 0 | 3 | 0 | TSTM Wind | | | |
| 2 NE North Phila. Arpt. | 24 2010 EST | 0 | 0 | 3 | 0 | TSTM Wind | | | |
| Chester Co. Cochranville | 26 1800 EST | 0 | 0 | 3 | 0 | TSTM Wind | Thunderstorm wind gusts brought down 2 utility poles. | | |
| Bradford Co. Litchfield | 27 2045 EST | 0 | 0 | 4 | 0 | TSTM Wind | Thunderstorm wind gusts downed trees and power lines, took the roof off a barn, brought down a silo and damaged a trailer in the Athens Valley near Litchfield. | | |
| Tioga Co. Elkland | 28 1500 EST | 0 | 0 | 3 | 0 | TSTM Wind | Thunderstorm wind gusts downed several trees and some power lines. | | |
| Sullivan Co. 3 S Nordmont | 28 1815 EST | 0 | 0 | 3 | 0 | TSTM Wind | Thunderstorm wind gusts uprooted or snapped off many trees. | | |
| Wyoming Co. Mehoopany | 28 1850 EST 1.5 60 | 0 | 0 | 5 | 0 | Tornado (F2) | A tornado touched down several times along a mile and a half track. The first touchdown at a farm did the most damage. The roof and sides of the house were badly damaged and the porch was torn off the house. The top half of the barn and silo were ripped off and the top of the silo could not be found. A tree was uprooted in the front lawn, a shed was collapsed and the well house and parts of the water pump destroyed. The roofs of two nearby houses were damaged and several trees were uprooted in a nearby cemetery. Several automobiles were damaged by flying debris. | | |
| Lycoming Co. Eastern Lycoming Co. | 29 1100 EST | 0 | 0 | 5 | ? | Flash Flood | The remnants of Tropical Storm Chris brought rain which was quite heavy at times. The rain began around 8 PM EDT on the 28th and continued until around 2 PM EDT on the 29th. Two to three inches of rain had fallen by 8 AM EDT on the 29th, with the total amounts reaching three to five and one-half inches by the time the rain tapered off. Most small streams were out of their banks in the Leyalsock and Muncy watersheds (eastern Lycoming County). Many roads were closed, some washed out (especially between Barbour and Proctor). A few bridges were closed due to undermining (Calvert and Proctor). Numerous fields were flooded and many cabins were flooded. There were several families evacuated in the Glen Mawr area and also northwest of Montoursville. Minor to moderate flooding was reported in the east end of the county. The flooding began around 12 Noon EDT and continued, at least in some areas, until around 8 PM EDT. | | |
| Sullivan Co. countywide | 29 1100 EST | 0 | 0 | 3 | ? | Flash Flood | Rain which was heavy at times began around 8 PM EDT on the 28th and continued until around 2 PM EDT on the 29th. One to three inches of rain had fallen by 8 AM EDT on the 29th with the total amounts reaching three to five inches by the time the rain tapered off. Numerous small streams were out of their banks in the county. Roads were closed in Forkville, Hills Grove, Eagles Mere, Beech Glen and Muncy Valley areas due to flooding. Water flooded a few cabins in the Beech Glen area. The flooding began around 12 Noon EDT and continued, at least in some areas, until around 6 PM EDT. | | |
| 36 PENNSYLVANIA, Western | | | | | | | | | |
| Beaver County, 7 SE Beaver | 02 1545 EST | 0 | 0 | 0 | 0 | Hail (0.75) | Three-quarter inch diameter hail fell at Baden. | | |
| Beaver County, 3 SE Beaver | 02 1619 EST | 0 | 0 | 0 | 0 | Hail (0.75) | Three-quarter inch diameter hail fell at Monaca. | | |
| Lawrence County, 8 S New Castle | 02 1620 EST | 0 | 0 | 0 | 0 | Hail (0.75) | Three-quarter inch diameter hail fell at Wampum. | | |
| Butler County, 15 NW Butler | 02 1730 EST | 0 | 0 | 0 | 0 | Hail (1.50) | One and one-half inch diameter hail fell at Portersville. | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|--|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|---------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| PENNSYLVANIA, Western | | | | | | | | | |
| McKean County, 22 SW Bradford | 05 | 1640 EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| Power lines were downed at Ludlow. | | | | | | | | | |
| Westmoreland County, 10 SW Greensburg | 05 | 2045 EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| Large trees were downed in Yukon. | | | | | | | | | |
| Washington County, 10 NE Washington | 15 | 1320 EST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| A house under construction in Peters Township was destroyed by thunderstorm wind. | | | | | | | | | |
| Allegheny County, Pittsburgh | 15 | 1330 EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| Many trees were blown down in the city of Pittsburgh. | | | | | | | | | |
| Westmoreland County, Lacrobe | 15 | 1419 EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| Large trees were blown down in Lacrobe. | | | | | | | | | |
| Fayette County, 11 NE Uniontown | 15 | 1430 EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| Large trees were blown down in Connellsville. | | | | | | | | | |
| Westmoreland County, 5 SE Greensburg | 15 | 1443 EST | | | 0 | 0 | 3 | 0 | Thunderstorm Wind |
| A roof was blown off a log cabin two miles south of Marguerite. | | | | | | | | | |
| Fayette County, Uniontown | 15 | 1450 EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| Large trees were blown down in Uniontown. | | | | | | | | | |
| Cambria County: Johnstown | 15 | 1454 EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| A gust up to 60 mph occurred at Johnstown. | | | | | | | | | |
| 11 N Somerset | 15 | 1500 EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| Trees were downed at the Laurel Mountain Ski Resort. | | | | | | | | | |
| 7 SW Somerset | 15 | 1510 EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| Large trees were downed and blocked roads at New Centerville. | | | | | | | | | |
| 17 NE Somerset | 15 | 1515 EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| Large trees were downed and blocked roads at Hollsopple and Jennerstown. | | | | | | | | | |
| Bedford County: 7 W Bedford | 15 | 1520 EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| Large trees and power lines were downed by thunderstorm wind in Schellsburg. | | | | | | | | | |
| 11 S Bedford | 15 | 1529 EST | | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| Large tree limbs were downed by thunderstorm wind. | | | | | | | | | |
| 37 RHODE ISLAND | | | | | | | | | |
| Rhode Island Zone 01 | 29 | 1800EST-2000EST | | | 0 | 0 | 3 | 0 | Tropical Depression Chris |
| A period of gusty winds up to 40 mph was associated with the passage of the tropical depression through Connecticut. Scattered power outages and property damage was the result of falling trees and tree limbs. | | | | | | | | | |
| 38 SOUTH CAROLINA | | | | | | | | | |
| Chesterfield Co. Bennettsville | 01 | 1600EST | | | 0 | 0 | 5 | 0 | Rain |
| Heavy rains during a thunderstorm caused the collapse of the masonry wall of a gymnasium under construction at the Marlboro County High School. | | | | | | | | | |
| Greenville Co. Greenville | 01 | 1830EST | | | 0 | 0 | 2 | 0 | TSIM Winds |
| Scattered power outages caused by trees and broken limbs blown on power lines were reported. | | | | | | | | | |
| Anderson Co. Hartwell Lake | 01 | 1900EST | | | 0 | 0 | 5 | 0 | TSIM Winds |
| Thunderstorm winds damaged 16 boats on Hartwell Lake. | | | | | | | | | |
| Pickens Co. Clemson area | 01 | 1930EST | | | 0 | 0 | 2 | 0 | Lightning |
| Lightning damaged a power line, causing a power interruption. | | | | | | | | | |
| Oconee Co. 7W Clemson | 01 | 2000EST | | | 0 | 0 | 3 | 0 | TSIM Wind |
| A severe thunderstorm blew down trees and power lines in Oconee County between Seneca and Clemson. The damage occurred at about 9:00 P.M. EDT and was concentrated in the Bayshore and Hanover Hills subdivision. | | | | | | | | | |
| SOUTH CAROLINA | | | | | | | | | |
| Beaufort Co. Port Royal Sound | 04 | 0945EST | | | 0 | 0 | 0 | 0 | Waterspout |
| A waterspout was visible for 15 minutes. | | | | | | | | | |
| Union Co. Union | 04 | 1310EST | | | 0 | 0 | 3 | 0 | Lightning |
| Lightning struck Belk's Department Store, damaging the roof. | | | | | | | | | |
| Pickens Co. Easley | 05 | 0500EST | | | 0 | 0 | ? | 0 | Urban Flooding |
| Heavy rain fell from about 1 P.M. on the 4th until 6 A.M. on the 5th. The rain was associated with very slow moving thunderstorms which developed in the piedmont and foothills and moved west-northwest into the edge of the mountains. Rainfall ranged from 1 to 2 inches in the piedmont to 4 to 6 inches in the foothills and mountains. The heaviest rain was concentrated around Cleveland in northern Greenville County. The only known flooding in S.C. was urban flooding in northern Greenville and around Easley. Many small streams reached bank full but did not flood. | | | | | | | | | |
| Fairfield Co. Wigginsboro | 06 | 2145EST | | | 0 | 0 | 5 | 0 | TSIM Winds |
| 1W Wigginsboro | 06 | 2200EST | | | 0 | 0 | 3 | 0 | TSIM Winds |
| Winds damaged two buildings housing 14 air conditioners in Wigginsboro. Several large trees were blown down. One mile north of Wigginsboro a night club was damaged by falling trees. | | | | | | | | | |
| Fairfield Co. Wigginsboro | 07 | 1900EST | | | 0 | 0 | 2 | 0 | Urban Flooding |
| Street flooding and small hail were reported in Wigginsboro. | | | | | | | | | |
| Charleston Co. 18 S Charleston | 08 | 1329EST | | | 0 | 0 | 2 | 0 | TSIM Wind |
| 18 S Charleston | 08 | 1430EST | | | 0 | 0 | 4 | 0 | Lightning |
| Severe lightning knocked out power to 3,000 customers. Thunderstorm winds blew trees down. | | | | | | | | | |
| Anderson Co. Anderson | 08 | P.M. | | | 1 | 0 | 0 | 0 | Heat |
| Man died from heat exhaustion. (M770) | | | | | | | | | |
| Beaufort Co. 2 E Hilton Head Is. | 10 | 1235EST | | | 0 | 0 | 0 | 0 | Waterspout |
| A waterspout was sighted off the southeast edge of Hilton Head Island. | | | | | | | | | |
| Kershaw Co. 5 SE Kershaw | 10 | 1420EST | | | 0 | 0 | 0 | 0 | Hail (0.50) |
| Laurens Co. 10 NW Laurens | 10 | 1545EST | | | 0 | 1 | 0 | 0 | Lightning |
| Lightning struck a man holding a pipe near Grey Court. | | | | | | | | | |
| Orangeburg Co. Orangeburg | 20 | P.M. | | | 1 | 0 | 0 | 0 | Heat |
| Man died from heat exhaustion. (M030) | | | | | | | | | |
| Beaufort Co. St. Helena Island | 21 | 1845EST | | | 0 | 1 | 4 | 0 | TSIM Wind |
| A small barn was demolished and debris from the barn damaged a nearby mobile home. A lady in the mobile home was slightly injured. Several trees were blown down also. | | | | | | | | | |
| Horry Co. Myrtle Beach | 24 | 1955EST | | | 0 | 1 | 0 | 0 | Lightning |
| A man was injured by lightning while using a telephone. | | | | | | | | | |
| SC2003,005,006, SC2007,008 Eastern and Central SC | 28 | | | | 0 | 0 | 5 | 5 | Tropical Storm |
| Tropical Storm Chris came ashore during the early afternoon on the lower S.C. Coast and moved northward through central S.C. during the afternoon and evening. Chris spawned destructive thunderstorms and a tornado which are described separately below. Numerous reports of broken limbs, power outages, roof damage and other wind damage throughout eastern SC were received. Heavy rains of 3 to 6 inches caused urban flooding in many locations. Tides one to two feet above normal were observed along the S.C. coast. | | | | | | | | | |
| Florence Co. Oanta | 28 | 0930EST | | | 0 | 0 | 5 | 0 | TSIM Wind |
| A thunderstorm spawned by Tropical Storm Chris caused localized damage at Oanta. Two mobile homes were overturned; one was demolished, one damaged. | | | | | | | | | |
| Darlington Co. Hartsville | 28 | 1130EST | | | 0 | 0 | 3 | 0 | TSIM Winds |
| Thunderstorm winds from Tropical Storm Chris knocked down several large pines on Loring and Kalber Drives and on the 14th Street extension. | | | | | | | | | |
| Clarendon County 3 SW Manning | 28 | 1515EST | 0.8 | 200 | 1 | 1 | 6 | 0 | Tornado (F2) |
| A tornado spawned by Tropical Storm Chris touched down 3 miles southwest of Manning and moved northwest along a 3/4 mile path. Fifty mobile homes were destroyed and 13 damaged, and a house was damaged as well. Large trees were broken or uprooted. A 78 year old lady in a mobile home was killed and a 12 year old girl was injured. (F78M) | | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | | | ESTIMATED DAMAGE | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|----------|-------|------------------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | | |

SOUTH CAROLINA

| | | | | | | | | | |
|--|------|---------|--|--|---|---|---|---|----------------|
| Horry Co. Conway | 29 | 1510EST | | | 0 | 0 | 2 | 0 | Urban Flooding |
| Heavy rains caused flooding of several streets. | | | | | | | | | |
| Horry Co. Conway | 30 | 1619EST | | | 0 | 0 | 4 | 0 | Urban Flooding |
| Heavy rains caused extensive street flooding. Water damaged several residences. | | | | | | | | | |
| SC2001,002,003 SC2004,006,008 NW,MC,C,S SC | 1-31 | | | | 0 | 0 | 2 | 5 | Drought |
| Drought conditions caused crop damage and required voluntary water use restrictions in several cities in the piedmont and mountains. The drought conditions were partially alleviated by T.S. Chris in the central and southern portions of the state. | | | | | | | | | |

39 SOUTH DAKOTA

| | | | | | | | | | |
|--|----|----------|--|--|---|---|---|---|----------------------------|
| Campbell Co., 27NNE Moberg | 01 | 1530 CST | | | 0 | 0 | 4 | 0 | TSTM Wind (50) |
| Large barns were heavily damaged by thunderstorm winds near Pollock. | | | | | | | | | |
| Edmunds County, 11W Aberdeen | 01 | 1811 CST | | | 0 | 0 | 0 | 0 | TSTM Wind (52) |
| Brown County, Aberdeen | 01 | 1830 CST | | | 0 | 0 | 3 | 0 | Lightning |
| Lightning caused a fire in a garage, resulting in \$3,500 in damages. | | | | | | | | | |
| Pennington Co., Wall | 01 | 2000 MST | | | 0 | 0 | 3 | 0 | TSTM Wind (50) |
| Thunderstorm winds downed several poles in the Wall area. | | | | | | | | | |
| Hand County, 16NW Huron | 01 | 2015 CST | | | 0 | 0 | 0 | 0 | TSTM Wind (50) |
| Clark County, 23NE Huron | 01 | 2115 CST | | | 0 | 0 | 0 | 0 | TSTM Wind (62) |
| Thunderstorm winds destroyed a barn near Carpenter. | | | | | | | | | |
| Hughes County, Pierre | 02 | 0015 CST | | | 0 | 0 | 4 | 0 | Lightning |
| Lightning ignited a house, causing \$20,000 in damages, and burned 100 acres of grassland, causing \$3,000 in damages. | | | | | | | | | |
| Beadle County, 5S Huron | 03 | 0900 CST | | | 0 | 0 | 0 | 0 | Hail (1.75) |
| Minnehaha Co., 18NW Sioux Falls | 03 | 1145 CST | | | 0 | 0 | 4 | 0 | Lightning |
| Lightning caused a barn to explode and burn. | | | | | | | | | |
| Stanley County, 7S Pierre | 03 | 1345 CST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| Winds from a thunderstorm overturned a small mobile home, causing \$10,000 in damages. | | | | | | | | | |
| Gregory County, Burke | 03 | 1450 CST | | | 0 | 0 | 0 | 0 | Hail (2.75) Hail (1.75) |
| Brown County: 9NW Aberdeen | 03 | 1635 CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| 9NW Aberdeen | 03 | 1720 CST | | | 0 | 0 | 3 | 0 | Hail (1.75) |
| 10W Aberdeen | 03 | 1720 CST | | | 0 | 0 | 0 | 0 | TSTM Wind (61) |
| 10W Aberdeen | 03 | 1725 CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Hail broke the windows in a house near Richmond Lake. | | | | | | | | | |
| Edmunds County, 7S Watonka | 11 | 1615 CST | | | 0 | 0 | 0 | 0 | Hail (1.75) |
| Brown County, 10NW Aberdeen | 11 | 1635 CST | | | 0 | 0 | 0 | 0 | Hail (1.75) |
| Marshall County, 15SW Britton | 11 | 1718 CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Brown County: Richmond | 11 | 1720 CST | | | 0 | 0 | 0 | 0 | Hail (1.75) |
| 8W Aberdeen | 11 | 1720 CST | | | 0 | 0 | 0 | 0 | TSTM Wind (56) |

SOUTH DAKOTA

| | | | | | | | | | |
|---|----|----------|--|--|---|---|---|---|----------------|
| Haakon County, Philip | 12 | 1540 MST | | | 0 | 0 | 0 | 0 | TSTM Wind (52) |
| Hyde County, 47E Pierre | 12 | 2100 CST | | | 0 | 0 | 0 | 0 | TSTM Wind |
| Hand County, 36NW Huron | 12 | 2130 CST | | | 0 | 0 | 3 | 0 | TSTM Wind (56) |
| Dewey County: 47WSW Moberg | 13 | 1740 MST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| 6W-Trail City | 13 | 1755 MST | | | 0 | 0 | 0 | 0 | Funnel Cloud |
| 29S Moberg | 13 | 1805 MST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| 10S Moberg | 13 | 1835 MST | | | 0 | 0 | 0 | 0 | Funnel Cloud |
| Pennington Co., 5S Hill City | 19 | 1350 MST | | | 0 | 0 | 0 | 0 | Hail (1.00) |
| Fall River Co: 11NW DelRichts | 19 | 1600 MST | | | 0 | 0 | 0 | 0 | Hail (1.75) |
| 15S Hot Springs | 19 | 1630 MST | | | 0 | 0 | 0 | 0 | TSTM Wind (52) |
| Sully County, 7NE Drida | 20 | 2015 CST | | | 0 | 0 | 0 | 0 | Hail (1.75) |
| Day County: 5SE Webster | 20 | 2337 CST | | | 0 | 0 | ? | 0 | TSTM Wind (60) |
| 11W Webster | 20 | 2355 CST | | | 0 | 0 | ? | 0 | TSTM Wind |
| Thunderstorm winds downed power poles near Webster and damaged several trees, a roof and a barn in Bristol. | | | | | | | | | |
| Yankton County, Mayfield | 22 | 2230 CST | | | 0 | 0 | 0 | 0 | Hail (1.75) |
| Brown County: 10S Aberdeen | 31 | 2050 CST | | | 0 | 0 | 0 | 0 | Hail (1.00) |
| 8E Aberdeen | 31 | 2120 CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| 14E Aberdeen | 31 | 2140 CST | | | 0 | 0 | 0 | 0 | Hail (1.75) |

40 TENNESSEE

| | | | | | | | | | |
|--|----|---------|--|--|---|---|---|---|-------------------|
| Shelby County | 01 | 1345CST | | | 0 | 0 | 1 | 0 | Thunderstorm wind |
| | 01 | 1415CST | | | 0 | 0 | 4 | 0 | Thunderstorm wind |
| | 01 | 1445CST | | | 0 | 0 | 2 | 0 | Hail (1.75) |
| Thunderstorms caused widespread damage to trees, cars and signs, in the Bartlett, Raleigh and northeast Memphis areas. Two large trees fell on one house, doing extensive damage. Golfball size hail was reported in the North area as well, doing minor damage to some cars. | | | | | | | | | |
| Davidson County | 02 | 1415CST | | | 0 | 0 | 2 | 0 | Hail (0.75) |
| Thunderstorms produced gusty winds, heavy rain and three-quarter inch size hail in the Nashville Metropolitan area. | | | | | | | | | |
| Hamblen County | 02 | 2340CST | | | 0 | 0 | 3 | 0 | Thunderstorm wind |
| Thunderstorms caused widespread wind damage to trees and property in the county as they moved through around 140 am EDT, Wednesday morning. | | | | | | | | | |
| Hamilton County | 03 | 1645CST | | | 0 | 0 | 2 | 0 | Thunderstorm wind |
| Thunderstorms produced strong winds and heavy rain throughout the county, with the eastern part getting most of the wind damage. In Hegedale a tree fell on a mobile home, causing minor damage. | | | | | | | | | |
| Rutherford County | 06 | 1145CST | | | 0 | 1 | 0 | 0 | Lightning |
| A thirty-six year old woman was injured when lightning struck the golf cart she was pulling as she was walking toward shelter. She received second and third degree burns. | | | | | | | | | |
| Loudon County | 06 | 1230CST | | | 0 | 1 | 0 | 0 | Lightning |
| A thirty-five year old man was seriously injured when he was struck by lightning while riding in a boat on Loudon Lake. Several other people were on the boat but were uninjured. | | | | | | | | | |
| Shelby County, Memphis | 17 | 1645CST | | | 1 | 0 | 0 | 0 | Heat |
| A Memphis woman was found dead in her home Wednesday afternoon. Doctors ruled the cause of death as heat stroke. Temperatures were running in the nineties with heat indexes in excess of one hundred degrees each afternoon all week. The home was not air conditioned. (F65P). | | | | | | | | | |
| Bradley County, Cleveland | 18 | 1600CST | | | 1 | 0 | 0 | 0 | Heat |
| A Cleveland, TN woman died of heat stroke. Temperatures were in the nineties with high heat indexes each afternoon all week long in the area. There was no air conditioning in the home. (F880). | | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|---|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|---|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| — TENNESSEE | | | | | | | | | |
| Overton County, Livingston | 20 | 1345CST | | | 0 | 0 | 3 | 0 | Lightning |
| | | | | | | | | | Eight Holstein cows were killed by lightning while standing in a bunch under a tree during a thunderstorm. |
| TNZALL | 31 | 1600CST | | | 0 | 0 | 0 | ? | Drought |
| | | | | | | | | | The drought of 1988 continued in August. Although a number of locations got near or above normal rainfall for the month, other areas still got below normal. Even with the above or near normal amounts of rain the large annual deficit remained. To make matters worse, August had a heatwave in which above normal temperatures of over two degrees were recorded across the state. |
| 41 TEXAS, Northern | | | | | | | | | |
| Houston County 10 SW Lovelady | 1 | 1530CST | | | 0 | 0 | ? | ? | TSTM Wind |
| | | | | | | | | | A thunderstorm downburst damaged a storage building and uprooted trees 10 miles southwest of Lovelady. |
| Gregg County White Oak | 1 | 1900CST | | | 0 | 0 | ? | ? | TSTM Wind |
| | | | | | | | | | A downburst blew down trees in White Oak blocking roadways and knocking down several utility poles. |
| Hamilton County Hamilton | 2 | 1845CST | | | 0 | 0 | ? | ? | Hail (1.75) and TSTM Wind |
| Comanche County 16 E Comanche | 2 | 1900CST | | | 0 | 0 | ? | ? | TSTM Wind |
| | | | | | | | | | Golf ball size hail fell in Hamilton. A downburst downed trees and power lines, broke windows, and damaged a number of storage buildings in Hamilton. Winds estimated at more than 60 miles per hour downed trees and power lines 16 miles east of Comanche. |
| Limestone County Mexia | 5 | 1432CST | | | 0 | 0 | 5 | ? | TSTM Wind |
| | | | | | | | | | An intense thunderstorm downburst produced considerable damage along a path six blocks wide and about a mile long in the east part of Mexia. About 60 buildings, most of them residences, received roof damage. The press box at the football stadium was destroyed and the roofs of several schools were damaged. Numerous trees were also uprooted. Damage was estimated at \$200,000. |
| Johnson County Keene | 5 | 1546CST | | | 0 | 1 | ? | ? | TSTM Wind |
| Parker County 5 SSE Weatherford | 5 | 1715CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Denton County 3.5 E Lewisville | 5 | 1715CST | | | 0 | 0 | ? | ? | TSTM Wind |
| | | | | | | | | | A downburst in Keene blew a trestle on a building under construction onto a worker, injuring him. Also in Keene, several trees were uprooted by the wind and a number of signs were blown over. A downburst uprooted several trees and damaged a windmill and the roofs of a house and barn five miles south-southeast of Weatherford. A downburst produced minor damage to a number of mobile homes in a mobile home park 3.5 miles east of Lewisville. |
| Dallas County Grand Prairie | 7 | Evening | | | 1 | 0 | 0 | 0 | Heat |
| Lamar County Paris | 8 | Afternoon | | | 1 | 0 | 0 | 0 | Heat |
| | | | | | | | | | Record-breaking heat across North Texas contributed to the death of a 23 year-old Grand Prairie man and a 77 year-old woman in Paris. M230, F77P |
| Rusk County | 11 | 1200CST-2000CST | | | 0 | 0 | ? | ? | Flash Flooding |
| Panola County | 11 | 1200CST-2000CST | | | 0 | 0 | ? | ? | Flash Flooding |
| Nacogdoches County | 11 | 1200CST-2000CST | | | 0 | 0 | ? | ? | Flash Flooding |
| | | | | | | | | | The remnants of Tropical Storm Beryl produced heavy rainfall across Rusk, Panola and Nacogdoches Counties. Most of the heavy rain fell between 0400CST and 1600CST. Numerous roads and highways were flooded, especially in the southern part of Rusk County, the southwest part of Panola County and the north part of Nacogdoches County. Several bridges were washed out and some homes flooded. Rainfall amounts included 12.50 inches at Mt. Enterprise, 9.50 inches at Brachfield, and 6.73 inches at Reklaw, all in Rusk County. In Panola County, 11.50 inches fell at Clayton, 5.87 inches at Carthage and 12.15 inches at Lake Murvaul. Eight inches fell at Cushing in Nacogdoches County. |
| — TEXAS, Northern | | | | | | | | | |
| Eastland County Gorman | 11 | 1345CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Hill County 5 W Aquilla | 11 | 1615CST | | | 0 | 0 | ? | ? | TSTM Wind and Hail (2.00) |
| McLennan County 7 NSW Waco | 11 | 1710CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Young County Graham | 11 | 1825CST | | | 0 | 0 | ? | ? | TSTM Wind |
| | | | | | | | | | A downburst downed several trees and power lines and damaged the roofs of several houses in Gorman. A hay shed was blown apart five miles west of Aquilla where two-inch diameter hail also fell. Fences were blown over seven miles west-southwest of Waco. A water well tower was blown over in Graham. |
| Fannin County 3 NW Bonham | 12 | 1250CST | Short | Narrow | 0 | 0 | ? | ? | Tornado (F1) |
| | | | | | | | | | A brief tornado damaged a barn and destroyed several chicken coops 3 miles northwest of Bonham. |
| Collin County McKinney | 15 | evening | | | 1 | 0 | 0 | 0 | Heat |
| | | | | | | | | | An 86 year old woman died of heat stroke in McKinney. F86P |
| Ellis County: | | | | | | | | | |
| Ferris | 16 | 1650CST | | | 0 | 0 | ? | ? | TSTM Wind |
| 1 S Waxahachie | 16 | 1655CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Boz | 16 | 1702CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Maypearl | 16 | 1705CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Hood County Granbury | 16 | 1715CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Johnson County: Venus | 16 | 1720CST | | | 0 | 0 | ? | ? | TSTM Wind (52) |
| Alvarado | 16 | 1730CST | | | 0 | 0 | ? | ? | TSTM Wind |
| McLennan County Woodway | 16 | 1800CST | | | 0 | 0 | ? | ? | TSTM Wind |
| | | | | | | | | | Downbursts produced isolated areas of damage in North-Central Texas. Power lines and trees were downed at Ferris. The roof of a home was damaged at Waxahachie as were two mobile homes at Boz. A barn was destroyed and several roofs damaged at Maypearl. Porches were torn off several homes as the strong winds pushed over trees and blew over a large highway sign in Granbury. Winds were estimated at 60 miles per hour at Venus. A barn was destroyed at Alvarado. At Woodway, a downburst damaged several homes and uprooted trees. |
| Dallas County 10 SE Dallas | 19 | 1330CST | | | 0 | 0 | ? | ? | TSTM Wind |
| | | | | | | | | | A downburst heavily damaged a garage 10 miles southeast of Dallas. |
| Tarrant County Lake Worth | 19 | 1615CST | | | 0 | 0 | 5 | ? | TSTM Wind and Hail (0.75) |
| | | | | | | | | | An intense downburst struck the north part of Lake Worth producing considerable damage. Forty-one homes and buildings were damaged. Hundreds of trees were toppled. Several boat docks were destroyed and a number of power lines downed. No one was injured. Dime size hail covered the area. |
| Somervell County Glen Rose | 19 | 1800CST | | | 0 | 0 | 4 | ? | TSTM Wind |
| | | | | | | | | | A downburst ripped the roof off a lumber yard shed, causing about \$10,000 in damage. |
| Gregg County Longview | 21 | 1830CST | | | 0 | 0 | ? | ? | TSTM Wind |
| | | | | | | | | | A downburst blew down a number of trees in Longview, blocking several streets. Two mobile homes and a house were damaged when trees fell on them. |
| Lamar County Paris | 23 | 1745CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Red River County 5 N Clarksville | 23 | 1930CST | | | 0 | 0 | ? | ? | TSTM Wind |
| | | | | | | | | | A strong downburst uprooted about 50 trees at Paris, blocking streets and knocking down numerous power lines. Also in Paris a pickup truck was overturned by the wind and the wall of a previously fire-damaged building was blown in. In addition, windows were broken in several buildings. A downburst uprooted a number of trees 5 miles north of Clarksville, blocking State Highway 37. |
| Collin County Plano | 23 | 1930CST | | | 0 | 0 | ? | ? | TSTM Wind |
| Bowie County: Beaver Dams 3 NW Maud | 23 | 2015CST 23 2040CST | | | 0 | 0 | ? | ? | Hail (1.00) TSTM Wind |
| | | | | | | | | | Thirteen telephone poles were snapped by a downburst in the north part of Plano. In addition, trees were uprooted, several homes had roof damage, and 32 chimneys at an apartment complex were toppled by the winds. |
| | | | | | | | | | One-inch diameter hail fell at Beaver Dams. Numerous trees were uprooted by a downburst three miles northwest of Maud. |
| Falls County 2 NNE Lott | 24 | 1545CST | | | 0 | 0 | ? | ? | TSTM Wind |
| | | | | | | | | | Downburst winds destroyed one mobile home and damaged two others north-northeast of Lott. |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

41 TEXAS, Southern

| | | | | | | | | | |
|--|----|---------|--|--|---|---|---|---|----------------|
| San Patricio County | 01 | 0845CST | | | 0 | 0 | 3 | 0 | Tstm Wind (?) |
| 3 miles east of Taft, high winds from a thunderstorm blew some trees over. A camper was also blown off of a pickup truck. | | | | | | | | | |
| Grimes County | 01 | 1500CST | | | 0 | 0 | 5 | 0 | Tstm Wind (?) |
| High winds from a thunderstorm blew the roof off of an elementary school at Iola. | | | | | | | | | |
| Madison County | 02 | 1515CST | | | 0 | 0 | ? | 0 | Tstm Winds (?) |
| High winds from a thunderstorm damaged three barns near Cottonwood. | | | | | | | | | |
| Kerr County | 02 | 2200CST | | | 0 | 0 | 5 | 0 | Tstm Wind (?) |
| High winds from a thunderstorm toppled several utility poles on the campus of Schreiner College in Kerrville. | | | | | | | | | |
| Travis County | 03 | 1640CST | | | 0 | 1 | 0 | 0 | Lightning |
| A golfer was struck by lightning in Austin. He was knocked unconscious and treated at a local hospital. He was released after a two hour stay in the hospital. | | | | | | | | | |
| Orange County | 06 | 2003CST | | | 0 | 0 | 4 | 0 | Tstm Wind (?) |
| High winds from a thunderstorm blew over large signs in Vidor. | | | | | | | | | |
| Jefferson County | 06 | 2010CST | | | 0 | 0 | 4 | 0 | Tstm Wind (?) |
| High winds from a thunderstorm blew down power lines in Beaumont. | | | | | | | | | |
| Travis County | 09 | 1345CST | | | 0 | 0 | 0 | ? | Tstm Wind (?) |
| High winds from a thunderstorm blew over several trees in the Oak Hill area-southwest of Austin. | | | | | | | | | |
| Travis County | 09 | 1300CST | | | 0 | 0 | 4 | 0 | Tstm Wind (?) |
| High winds from a thunderstorm blew out windows of a nursery home in Manor. The high winds also blew the roof off of a barn. | | | | | | | | | |
| Robertson County Bremond | 24 | 1740CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Guadalupe County | 24 | 1745CST | | | 0 | 3 | 5 | 0 | Tstm Wind (?) |
| High winds from a thunderstorm severely damaged or destroyed several mobile homes near Redwood in the northeast part of the county. A few persons reported minor cuts and abrasions. | | | | | | | | | |
| Live Oak County | 25 | 1620CST | | | 0 | 0 | 5 | ? | Tstm Wind (?) |
| High winds from a thunderstorm uprooted trees around Lake Corpus Christi. Some roofs of residences were damaged. | | | | | | | | | |

41 TEXAS, Western

| | | | | | | | | | |
|--|----|-----------|--|--|---|---|---|---|---------------------|
| El Paso County | 01 | 1805CST | | | 0 | 0 | 3 | 0 | Lightning |
| Lightning struck the steeple of Bethel Christian Church in the 200 block of Glenwood and also struck a house in the 3400 block of Frutas, both in the City of El Paso. Both incidents occurred at 1805 CST and inflicted minor structural damage. | | | | | | | | | |
| Lubbock County | 02 | 1855CST | | | 0 | 0 | 3 | 0 | TSTM Wind (Est. 60) |
| | | 1855CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Thunderstorm wind gusting to an estimated 60 knots caused minimal roof and tree damage across a narrow path in southwest Lubbock. The windstorm was accompanied by hail the size of dimes. Both wind and hail were observed by off-duty National Weather Service personnel. | | | | | | | | | |
| El Paso County | 03 | 1700CST | | | | | | | Funnels |
| Law enforcement personnel and the public reported as many as four funnel clouds in the extreme eastern part of the county, approximately 15 miles east of El Paso International Airport. | | | | | | | | | |
| Presidio County | 04 | Afternoon | | | 0 | 0 | 5 | 4 | TSTM Wind (50) |
| | | | | | 0 | 0 | 3 | 0 | Flash Flooding |
| A tropical-type thunderstorm raged through the City of Marfa during the early afternoon, depositing 4.50 inches of rain in a one-hour period of time and raking the city with damaging winds. Rainwater sent area streams to bankfull and pushed flood waters into at least one business at the intersection of North Highland and Lincoln Streets in downtown Marfa. A rainsoaked wall at the Marfa Fire Department collapsed during the period of strongest winds. | | | | | | | | | |

TEXAS, Western

| | | | | | | | | | |
|---|----|-------------------------|-----|----|---|---|---|---|----------------------------------|
| El Paso County | 05 | 1145CST | | | 0 | 0 | 5 | 3 | Flash Flooding |
| Torrential thunderstorm rains brought widespread flash flooding to much of the east side of El Paso. Most of the rain fell in a two-hour period ending about 1345 CST, by which time as much as 4.50 inches had been measured. The flooding stalled several vehicles as it inundated major arteries. Ponds at local parks on Alburn Street and Pico Norte overflowed and flooded homes near Pico Norte. In fact, the flood waters at Alburn Park rose to a level of 10 feet on the flood gauge. | | | | | | | | | |
| Tom Green County | 09 | Est. 1600CST 1700CST | | | 0 | 0 | 4 | 0 | TSTM Wind Lightning |
| Thunderstorm winds inflicted extensive damage to a residence on Kildee Road at Grape Creek, between Carlsbad and San Angelo in the northwest part of the county. The patio roof was ripped from the house, with debris damaging an automobile. The wind also downed several power lines in Grape Creek. | | | | | | | | | |
| Ector County | 09 | 1640CST | | | 0 | 2 | 4 | 0 | TSTM Wind |
| Lightning generated by the storm knocked out power when it struck near Mitchell Pontiac in San Angelo and fused power lines. | | | | | | | | | |
| Ector County | 09 | 1640CST | | | 0 | 2 | 4 | 0 | TSTM Wind |
| Thunderstorm winds of undetermined speed blew out windows on the south side of the City of Odessa. At 1710 CST the Odessa Fire Department reported that a roof was blown off a house located at 2nd and Crane Streets in Odessa. | | | | | | | | | |
| Midland County | 09 | 1737CST | | | 0 | 0 | 0 | 0 | TSTM-Wind (51) |
| The Ector County thunderstorm (above) moved into Midland County and generated wind gusting to 51 knots at Midland Air Terminal. | | | | | | | | | |
| Midland County | 11 | 1745CST | | | 0 | 0 | 4 | 0 | TSTM Wind |
| Thunderstorm winds of unknown speed brought scattered minor damage to parts of the City of Midland. The carport of an east Midland residence was destroyed by the storm, with minor damage done to an automobile beneath the structure. In addition, the carport and adjacent brick wall at Cedar Creek Apartments were blown down. Several cars were damaged. | | | | | | | | | |
| Ector County | 12 | 1700CST | | | 0 | 2 | 4 | 0 | TSTM Wind |
| Downburst winds damaged one trailer and one wood-frame house 8 miles south of Odessa, resulting in 2 minor injuries. | | | | | | | | | |
| Carson County | 17 | 1553CST | 0.1 | 30 | 0 | 0 | 0 | 0 | Tornado (F0) |
| A small tornado was sighted by Department of Public Safety Officers 3 miles south of the Community of Panhandle. The twister inflicted no apparent damage. | | | | | | | | | |
| Lubbock County | 17 | Est. 1600CST | | | 0 | 0 | 4 | 0 | Lightning |
| Lightning struck a residence in the 5500 block of 28th Drive in Lubbock, with a resulting fire doing about \$30,000 damage to the structure. | | | | | | | | | |
| Potter County | 17 | 1608CST | | | 0 | 0 | 0 | 0 | Flash Flooding |
| Thunderstorm rains resulted in street flooding across the western part of the City of Amarillo. Several streets were closed. | | | | | | | | | |
| Hutchinson County | 18 | 1715CST 1720CST | | | 0 | 0 | 4 | 0 | TSTM Wind (Est. 60) Lightning |
| A strong thunderstorm roared through the Borger area, accompanied by damaging wind and lightning. The wind, estimated at 60 knots, resulted in destroyed cinder block and wood frame carports, downed fences, broken windows, and one automobile crushed under a collapsed carport. | | | | | | | | | |
| Lightning knocked out power to most of the town and also touched off a grass fire that burned between 10 and 15 acres. | | | | | | | | | |
| El Paso County | 22 | 2100CST 2130CST | | | 0 | 0 | 4 | 0 | Lightning TSTM Wind |
| Several large thunderstorms moved across El Paso during the three-hour period beginning 2100 CST, generating lightning that struck and damaged several homes in the northeast and west parts of the City of El Paso. Trees were uprooted by high thunderstorm winds throughout the City. | | | | | | | | | |
| Tom Green County | 24 | 1430CST | | | 0 | 0 | 5 | 0 | TSTM Wind |
| Thunderstorm winds snapped 5 electrical power poles in northeast San Angelo. The storm was accompanied by pea-sized hail and briefly heavy rainfall. | | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED ¹ DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|-------------------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED ¹ DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|-------------------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

42 UTAH

| | | | | | | | | | |
|---|------------|---|---|---|---|----------------------------|--|--|--|
| Salt Lake County Salt Lake City | 02 0259MST | 0 | 0 | 4 | 0 | Lightning | | | |
| Lightning struck the building which houses the Easter Seals Society of Utah. The lightning started a fire, which in turn set off the sprinkler system. The combination of fire and water caused extensive damage to the second story of the building. | | | | | | | | | |
| Garfield County Escalante | 02 1330MST | 0 | 0 | 4 | 0 | Flash Flood | | | |
| 1.50 inches of rain in 30 minutes filled the streets and basements in Escalante. The runoff overwhelmed the city's new sewer system. | | | | | | | | | |
| Utah County Provo | 02 1620MST | 0 | 0 | 1 | 0 | Thunderstorm Wind (056) | | | |
| A wind gust to 63 mph was recorded at the Provo airport. | | | | | | | | | |
| Beaver County Puffer Lake | 02 1816MST | 0 | 0 | 3 | 0 | Flash Flood | | | |
| Heavy thunderstorm rains washed out State Road 153 just below Puffer Lake in Beaver Canyon. | | | | | | | | | |
| Washington County Quail Creek Reservoir | 03 0400MST | 0 | 0 | 5 | 0 | Flash Flood | | | |
| Heavy rain in the Pine Valley Mountains produced a stream of water and mud estimated to be 50 yards wide and 6 feet deep down the channel of Quail Creek. The flood severely damaged a new marina at the reservoir and caused extensive damage to the Red Cliffs campground. | | | | | | | | | |
| Weber County Plain City | 03 0400MST | 0 | 1 | 1 | 0 | Lightning | | | |
| Lightning struck a home in Plain City. The resulting damage to the home's electrical system prompted the man of the house to check the circuit breaker box. When he did, he received an electrical shock which caused his finger to firmly grasp the metal ring used to open the box. In his effort to get free, he pulled the first joint of his finger off. | | | | | | | | | |
| Salt Lake County Cottonwood | 10 1425MST | 0 | 0 | 1 | 0 | Thunderstorm Wind (054) | | | |
| A thunderstorm gust front produced a gust to 62 mph. | | | | | | | | | |
| Salt Lake County Salt Lake City | 10 1740MST | 0 | 1 | 1 | 0 | Thunderstorm Wind | | | |
| A thunderstorm wind gust of unknown speed blew a piece of plywood off a building at a softball field. The plywood struck one of the players in the arm and broke his arm. | | | | | | | | | |
| Beaver County Milford | 11 1119MST | 0 | 0 | 1 | 0 | Thunderstorm Wind (055) | | | |
| Garfield County Eastern Half | 11 1300MST | 0 | 0 | 4 | 0 | Thunderstorm Wind (061) | | | |
| Millard County Delta | 11 1321MST | 0 | 0 | 1 | 0 | Thunderstorm Wind (50) | | | |
| Utah County Provo | 11 1433MST | 0 | 0 | 1 | 0 | Thunderstorm Wind (050) | | | |
| Utah County Provo | 11 1440MST | 0 | 0 | 1 | 0 | Thunderstorm Wind (053) | | | |
| Salt Lake County Cottonwood | 11 1502MST | 0 | 0 | 3 | 0 | Thunderstorm Wind (063) | | | |
| Salt Lake County Sandy | 11 1504MST | 0 | 0 | 2 | 0 | Thunderstorm Wind (052) | | | |
| A large cluster of thunderstorms developed over southwestern Utah by midday, and moved northward during the afternoon hours, producing strong gusty winds in many areas. Damage to trees and power lines occurred in Salt Lake County. Nine boats were sunk in the Bullfrog Marina area and 3 sank near the Wahweap Marina. | | | | | | | | | |
| Wayne County Hanksville | 26 1626MST | 0 | 0 | 3 | 0 | Flash Flood | | | |
| Heavy thunderstorm rains caused an estimated 2 to 3 feet of water to flow across State Road 24 north of Hanksville. Rainfall totals for the evening of 1.5 to 2 inches were common in upstream locations. | | | | | | | | | |
| Beaver County Beaver Canyon | 26 2030MST | 0 | 0 | 3 | 0 | Flash Flood | | | |
| Flood waters scattered debris across State Road 153 in Beaver Canyon. Road crews were called out to clear the roadway of mud and rocks. | | | | | | | | | |
| Washington County Quail Creek Reservoir | 27 1707MST | 0 | 0 | 4 | 0 | Flash Flood | | | |
| The Quail Creek reservoir was hit with flash flooding for the second time this month. Flood waters took out a dock and spread mud and debris over the parking lot and nearby roadways. Quail Creek was running about 7 feet above normal and flooded nearby Harrisburg Junction, south of Leeds. | | | | | | | | | |
| Washington County St. George | 27 1745MST | 0 | 0 | 3 | 0 | Flash Flood | | | |
| Heavy thunderstorms continued southwestward through Washington County and covered State Road 18 between St. George and Santa Clara. A spotter in the area reported receiving 1.24 inches of rain between 6 and 7 p.m. MDT. | | | | | | | | | |

43 VERMONT

| | | | | | | | | | |
|--|-----------------|----|-------|---|---|---------------------|--|--|--|
| Statewide | 01 AM 17 PM | ? | ? | ? | ? | Heatwave | | | |
| Blistering heat and high humidity roasted the state of Vermont. | | | | | | | | | |
| Orleans Co. Westfield | 03 1820est | 0 | 0 | 4 | 0 | Tstm Wind | | | |
| Troy | 03 1830est | 0 | 0 | 5 | 0 | Tstm Wind | | | |
| Troy | 03 1830est | 0 | 0 | 3 | 0 | Rain | | | |
| S. Troy | 03 1832est | 0 | 0 | 5 | 0 | Tstm Wind | | | |
| Newport | 03 1840est | 0 | 0 | 4 | 0 | Tstm Wind | | | |
| Newport City | 03 1840est | 0 | 0 | 4 | 0 | Tstm Wind | | | |
| Newport | 03 1840est | 0 | 0 | 3 | 0 | Lightning | | | |
| Newport Ctr. | 03 1840est | 0 | 0 | 4 | 0 | Tstm Wind | | | |
| Lk. Memphremagog | 03 1843est | 0 | 0 | 4 | 0 | Tstm Wind | | | |
| Derby | 03 1845est | 0 | 0 | 5 | 0 | Tstm Wind | | | |
| Charleston | 03 1850est | 0 | 0 | 4 | 0 | Tstm Wind | | | |
| Thunderstorms with very strong winds and heavy rain hit northern Vermont. Thunderstorm winds peeled off roofs on three homes and a trucking center, and flooded the exposed structures with heavy rain. Winds also took down a lot of phone and power lines. At Lake Memphremagog three boats were severely damaged. | | | | | | | | | |
| Franklin Co. Enosburg Falls | 04 1955est | 0 | 0 | 3 | 0 | Tstm Wind | | | |
| St. Albans | 04 2000est | 0 | 0 | 5 | 2 | Lightning | | | |
| St. Albans | 04 2005est | 0 | 0 | 2 | 0 | Hail(0.75) | | | |
| Strong winds and lightning knocked out large sections of the power grid of the Enosburg Power and Light Co. | | | | | | | | | |
| Franklin Co. St. Albans | 05 1510est | 0 | 0 | 3 | 0 | Lightning | | | |
| Wood Island | 05 1520est | 0 | 0 | 3 | 0 | Lightning | | | |
| Lightning was responsible for starting two fires. The fire on Wood Island required firefighters to use boats to extinguish it. | | | | | | | | | |
| Addison Co. Middleburg | 06 2145est | 0 | 0 | 3 | 0 | Tstm Wind | | | |
| Middleburg | 06 2145est | 0 | 0 | 4 | 0 | Lightning | | | |
| Thunderstorms winds and lightning took out power lines and started several small fires. | | | | | | | | | |
| Grand Isle Co. Alburg | 13 1830est | 0 | 0 | 3 | 3 | Tstm Wind | | | |
| Alburg | 13 1830est | 0 | 0 | 2 | 4 | Hail(1.0) | | | |
| Franklin Co. Swanton | 13 1845est | 0 | 0 | 3 | 0 | Tstm Wind | | | |
| Orleans Co. | 13 1900est | 0 | 0 | 6 | 0 | Tstm Wind | | | |
| Thunderstorm winds destroyed several farm buildings and homes in northern Vermont. | | | | | | | | | |
| Washington Co. Waterbury | 28 0830est | 0 | 0 | 3 | 3 | Downburst | | | |
| Essex Co. 17NW St. Johnsbury | 28 1415-1430est | .5 | 10-30 | 0 | 3 | Tornado (F0) | | | |
| Addison Co. Orwell | 28 1430est | 0 | 0 | 2 | 2 | Hail(1.25) | | | |
| Orwell | 28 1430est | 0 | 0 | 3 | 0 | Tstm Wind | | | |
| Rutland Co. Brandon | 28 1430est | 0 | 0 | 4 | 3 | Hail(2.50) | | | |
| Pittsfield | 28 1440est | 0 | 0 | 4 | 0 | Downburst | | | |
| Essex Co. Lyndonville | 28 1515est | 0 | 0 | 4 | 4 | Tstm Wind (G070) | | | |
| Lyndonville | 28 1515est | 0 | 0 | 3 | 4 | Hail(1.0) | | | |
| Windsor Co. Rochester | 28 1520est | 0 | 0 | 3 | 0 | Tstm Wind | | | |
| Bethel | 28 1525est | 0 | 0 | 2 | 4 | Tstm Wind | | | |
| Orange Co. Stafford | 28 1600est | 0 | 0 | 3 | 3 | Tstm Wind | | | |
| Rutland Co. Hubbardston | 28 1629est | 0 | 0 | 3 | 3 | Tstm Wind | | | |
| Windsor Co. Stockbridge | 28 1630est | 0 | 0 | 2 | 2 | Tstm Wind | | | |
| Pomfret | 28 1655est | 0 | 0 | 5 | 3 | Tstm Wind | | | |
| Bennington Co. Pownal | 28 1925est | 0 | 0 | 3 | 3 | Tstm Wind | | | |
| Dorset | 28 1925est | 0 | 0 | 2 | 2 | Tstm Wind | | | |
| Windhall | 28 1925est | 0 | 0 | 2 | 2 | Tstm Wind | | | |
| Thunderstorms produced a tornado and two downbursts in parts of Vermont. This system was the same one which did considerable damage to both western and eastern sections of New York. | | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED ¹ DAMAGE | | CHARACTER OF STORM |
|---|------|---|------------------------|-----------------------|----------------|---------|-------------------------------|-------|-----------------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| 44 VIRGINIA | | | | | | | | | |
| VA2005-011 Extreme northern Virginia | 1-20 | | | | 0 | ? | ? | ? | Heat Spell |
| | | Temperatures averaged well in the 90's, with some readings above 100. The area averaged 3 to 4 degrees above normal for the month of August. | | | | | | | |
| Virginia Beach | 3 | 1947EST | 0.25 | 50 | 0 | 0 | 5 | 0 | Tornado (F2) |
| | | A tornado dropped down to treetop level, breaking them off from mid and upper level. It moved northeast, hitting the Cardinal Court Club near the intersection of Expressway Court and Expressway Drive. The back portion of this large tennis and health club lost its rear wall and rear roof. Debris was slammed against the YMCA/United Fund building next door and out onto Expressway Drive in front of the two buildings. Winds were estimated at 120-130 mph and damage was estimated in excess of \$100,000. F.P.P. classification: F2, F-, F1. | | | | | | | |
| Clarke Co. | 6 | 1400EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind |
| Loudoun Co. | 6 | 1500EST | | | 0 | 0 | 5 | 0 | Lightning |
| | | Trees were downed in Clarke County, accompanied by 2 hours of heavy rain. Lightning set afire 7 homes in Loudoun County. | | | | | | | |
| Craig Co. | 11 | 1625EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind |
| | | Trees were reported down across roads in the northeastern part of the county. | | | | | | | |
| Wythe Co. | 11 | Evening | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| | | Strong thunderstorm winds heavily damaged a house, ripping off the roof, blowing out windows, and tossing furniture around, as well as uprooting a tree in the yard. | | | | | | | |
| Brunswick Co. | 11 | 1450EST | | | 0 | 0 | 0 | 6 | Hail (1.00) |
| | | Widespread hail produced damage estimated at \$1,006,000. | | | | | | | |
| Clarke Co. | 15 | 1700EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind |
| Loudoun Co. | 15 | 1700EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind (60kt) |
| Prince William Co., Haymarket | 15 | 1715EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind |
| Fairfax Co., Vienna | 15 | 1725EST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| Falls Church | 15 | 1730EST | | | 1 | 0 | 0 | 0 | Lightning |
| Falls Church | 15 | 1734EST | | | 0 | 0 | ? | 0 | Thunderstorm Wind |
| Prince William Co., Gainesville | 15 | 1745EST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| Orange Co., Lahore | 15 | 1800EST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| Henrico Co. | 15 | 1900EST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| Henrico Co. | 15 | 2005EST | | | 0 | 0 | ? | ? | Hail (0.75) |
| | | Trees and power lines were reported down in Clarke County. Strong winds uprooted trees in Gainesville. Many trees were downed in Haymarket, with winds estimated at 42 knots. Strong winds tore an 18' by 12' door off a barn in Lahore and blew it 200 yards away. The largest American Elm tree in the eastern U.S. was blown over in Orange County, as well as several other trees. The University of Richmond reported 71 mature trees were blown down. Lightning set afire 3 homes in Orange County and 2 in Henrico County. A 43 year old woman was killed in her yard in Falls Church by a tree that had been struck by lightning. F430 | | | | | | | |
| — VIRGINIA | | | | | | | | | |
| Wythe Co. | 15 | 1900EST | | | 0 | 0 | ? | ? | Thunderstorm Winds |
| Pulaski Co. | 15 | 1900EST | | | 0 | 0 | ? | ? | Thunderstorm Winds |
| Franklin Co. | 15 | 1905EST | | | 0 | 0 | ? | ? | Hail (0.75) Thunderstorm Winds |
| | | Many trees were downed in Wythe County, and 2 buildings were set afire by lightning. In Pulaski, large trees were blown down, a window was blown out at State Police Headquarters, and a 65 pound picnic table was lifted off the ground. Trees were also downed in Franklin County by strong winds. | | | | | | | |
| Powhatan Co., Powhatan | 18 | 1300EST | | | 0 | 0 | 4 | 0 | Thunderstorm Winds |
| | | Strong winds blew out 4 windows in a restaurant and tore part of the roof off. | | | | | | | |
| Essex Co. | 19 | 0530EST | | | 0 | 0 | ? | ? | Thunderstorm Winds |
| Middlesex Co., Urbanna | 19 | 0600EST | | | 0 | 0 | ? | ? | Thunderstorm Winds |
| Mathews Co. | 19 | 0640EST | | | 0 | 0 | ? | 0 | Thunderstorm Winds (74kt) |
| York Co. | 19 | Early morning | | | 0 | 0 | ? | ? | Thunderstorm Winds (61kt) |
| | | Several trees were blown down in Essex County. Large limbs were tossed around in Urbanna. Over a dozen trees in Mathews County were uprooted. A tugboat on the Rappahannock River measured winds of 50 mph gusting to 85 about 0515EST. Virginia Power utilities estimated 70 mph winds in York County. | | | | | | | |
| Middlesex Co., Urbanna | 19 | 0800EST | | | 0 | 0 | 4 | 0 | Thunderstorm Winds |
| | | A large tree in Urbanna was uprooted and landed on a home. A cinder block garage was blown apart; pieces were found 100 feet away. | | | | | | | |
| Botetourt Co., Fincastle | 19 | 1508EST | | | 0 | 0 | 0 | ? | Hail (0.75) |
| Roanoke Co., Bonaack | 19 | 1515EST | | | 0 | 0 | 0 | ? | Hail (1.75) |
| Botetourt Co. | 19 | 1530EST | | | 0 | 0 | ? | 0 | Thunderstorm Winds |
| Franklin Co. | 19 | 1600EST | | | 0 | 0 | ? | ? | Thunderstorm Winds |
| Bedford Co., Stewartsville | 19 | 1615EST | | | 0 | 0 | ? | ? | Thunderstorm Winds |
| Augusta Co., Stuart's Draft | 19 | 1620EST | | | 0 | 0 | 3 | 0 | Lightning |
| Pittsylvania Co., Climax | 19 | 1930EST | | | 0 | 0 | 0 | 6 | Hail (1.25) |
| | | Twenty-nine trees were blown down in one yard in Botetourt County. Trees were reported down in Franklin County. Trees were also reported down in Bedford County, some blown 40 feet onto power lines. A 100 foot tree was apparently hit by lightning in Stuart's Draft; part of it fell on a shed, destroying it. Tobacco crops in Pittsylvania County were battered by hail, strong winds and heavy rains, creating widespread damage. | | | | | | | |
| Mecklenburg Co., 8 SW to 4 W Chase City | 29 | 0210EST | 8.0 | 35 | 0 | 1 | 6 | 0 | Tornado (F2) |
| | | A tornado touched down 8 miles southwest of Chase City, then moved northward across SR49 for about 8 miles. A mobile home was wrapped completely around a tree; one man was injured and had to be dug out of the debris. Nine other buildings were damaged or lost; several vehicles were damaged. Damage estimates were \$700,000. Tornado classification: F2, P2, P3. | | | | | | | |
| 45 WASHINGTON — NONE REPORTED | | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|-------|------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |

46 WEST VIRGINIA

| | | | | | | | | | |
|--|----|--------------|--|--|---|---|---|---|---------------------------|
| Northern Barbour County | 2 | 1645EST | | | 0 | 0 | 0 | 0 | Hail (1.75), Thunderstorm |
| Barbour County | 2 | 1845EST | | | 0 | 0 | 0 | 0 | Hail (0.75), Thunderstorm |
| Taylor County | 2 | 1925EST | | | 0 | 0 | 0 | 0 | Hail (0.75), Thunderstorm |
| Harrison County | 2 | 1930EST | | | 0 | 0 | 0 | 0 | Thunderstorm |
| Marion County | 2 | 2024EST | | | 0 | 0 | 0 | 0 | Thunderstorm |
| Upshur County | 15 | 1430-1500EST | | | 0 | 0 | 1 | 0 | High Wind |
| <p>Numerous trees were downed in the northern part of the county. Power outages occurred and a tree fell on a garage (location unknown) and destroyed it.</p> | | | | | | | | | |
| Randolph County | 15 | 1500-1545EST | | | 0 | 0 | 0 | 0 | High Winds |
| <p>Numerous trees were blown down by high winds. Damage occurred mainly over the northern part of the county. The Dept. of Highways had workers clearing trees from highways for 5 to 6 hours. Power outages also occurred.</p> | | | | | | | | | |
| Tucker County | 15 | 1545-1600EST | | | 0 | 0 | 0 | 0 | High Wind |
| <p>Downed trees blocked Route 39 on Pleasant Run in southern Tucker County. Trees also blocked a part of Route 219 south of Parsons.</p> | | | | | | | | | |
| Tucker County | 19 | 0300EST | | | | | | | Hail (0.80), High Wind |
| <p>The Dept. of Highways reported that trees were blown down on Route 38 and Route 219, and in the Leadmine area. Hail of dime to nickel size beat a lot of leaves off trees in the Licking Creek and Bull Run areas of northwest Tucker County.</p> | | | | | | | | | |

47 WISCONSIN

| | | | | | | | | | |
|--|----|--------------|------|----|---|---|---|---|------------------------|
| Winneshong Co., Winneconne | 01 | 1410CST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Larsen Portage Co., Amherst Junction | 01 | 1510CST | | | 0 | 0 | ? | ? | Hail (1.75) |
| Oneida Co., 3S Hazelhurst Lake Tomahawk | 01 | 1654-1700CST | 0.1 | 25 | 0 | 0 | ? | ? | Thunderstorm Wind |
| Vilas Co., 1W St. Germain 2SE Eagle River | 01 | 1820CST | 1.0 | 50 | 0 | 0 | 4 | ? | Tornado (F1) |
| | 01 | 1922CST | 0.25 | 25 | 0 | 0 | 0 | ? | Tornado (F0) |
| <p>Severe thunderstorms produced hail up to golfball size in the Larsen area, knocked down trees and power lines in the Amherst Junction and Lake Tomahawk areas. Two barns were damaged by severe thunderstorm winds near Winneconne. Small tornadoes set down briefly 3S of Hazelhurst and 2SE of Eagle River, damaging some trees. Another tornado caused falling trees to damage cars and buildings 1W of St. Germain.</p> | | | | | | | | | |
| Barron Co., Rice Lake | 02 | 1523CST | | | 0 | 0 | ? | ? | Thunderstorm Wind (52) |
| <p>A severe thunderstorm generated a wind gust to 60 mph at the Rice Lake airport.</p> | | | | | | | | | |
| Trempealeau Co., Blair | 03 | 0130CST | | | 0 | 0 | 5 | ? | Lightning |
| Sheboygan Co., 2W Silver Creek | 03 | 1500CST | | | 0 | 0 | 4 | ? | Thunderstorm Wind (61) |
| Adell | 03 | 1515CST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| Manitowoc Co., Collins | 03 | 1635CST | | | 0 | 0 | ? | ? | Thunderstorm Wind |

WISCONSIN

| | | | | | | | | | |
|--|----|--------------|-----|----|---|---|---|---|------------------------|
| Racine Co., Racine | 03 | 1825-1846CST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| Ashland Co., Sanborn | 03 | 1835-1848CST | 4.0 | 25 | 0 | 0 | ? | ? | Tornado (F0) |
| Dunn Co., Eau Galle | 03 | 1917CST | | | 0 | 0 | 0 | ? | Thunderstorm Wind |
| Chippewa Co., Bloomer | 03 | 2020CST | | | 0 | 0 | 2 | ? | Thunderstorm Wind |
| Polk Co., Osceola | 03 | 2140CST | | | 0 | 0 | 3 | ? | Thunderstorm Wind (56) |
| Frederick | 03 | 2210CST | | | 0 | 0 | 3 | ? | Thunderstorm Wind (56) |
| <p>Lightning struck a barn near Blair which started a fire destroying the barn, hay and farm machinery. Scattered severe thunderstorms with winds gusting to 65 mph knocked down trees and power lines near Adell, Collins, Racine, Eau Galle, Osceola and Frederick. Intense thunderstorm winds leveled a steel pole building 2W of Silver Creek and blew in some windows in Bloomer. A small tornado skipped through a wooded area just southwest of Sanborn.</p> | | | | | | | | | |
| Waushara Co., Wautoma | 04 | 1300CST | | | 0 | 0 | 3 | ? | Thunderstorm Wind |
| Shawano Co., Shawano | 04 | 1315CST | | | 0 | 0 | 3 | ? | Thunderstorm Wind (52) |
| Calumet Co., Chilton | 04 | 1400CST | | | 0 | 0 | 5 | ? | Thunderstorm Wind (52) |
| Winneshong Co., Oshkosh | 04 | 1410CST | | | 0 | 0 | 5 | ? | Thunderstorm Wind |
| Coonto Co., Lena | 04 | 1425CST | | | 0 | 0 | 5 | ? | Thunderstorm Wind |
| Manitowoc Co., 1E Reedsville to 2N Cato | 04 | 1435-1445CST | 4.0 | 25 | 0 | 0 | 5 | ? | Tornado (F1) |
| 2W Francis Creek | 04 | 1505CST | | | 0 | 0 | 5 | 0 | Thunderstorm Wind |
| Fond du Lac Co., Ripon | 04 | 1535CST | | | 0 | 0 | 4 | 0 | Thunderstorm Wind |
| Byron | 04 | 1551CST | | | 0 | 0 | 2 | 0 | Thunderstorm Wind |
| Brown Co., Green Bay | 04 | 1615CST | | | 0 | 1 | 0 | 0 | Lightning |
| Walworth Co., Lake Beulah | 04 | 1740CST | | | 0 | 0 | 5 | 0 | Thunderstorm Wind |
| Waukesha Co., New Berlin | 04 | 1750CST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| Waukesha | 04 | 1750CST | | | 0 | 0 | ? | ? | Thunderstorm Wind (61) |
| Mukwonago | 04 | 1750CST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| Big Bend | 04 | 1800CST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| Milwaukee Co., Greenfield | 04 | 1827CST | | | 0 | 0 | 0 | 0 | Funnel Cloud |
| Hales Corners | 04 | 1930CST | | | 0 | 0 | ? | ? | Thunderstorm Wind (52) |
| Milwaukee | 04 | 2010CST | | | 0 | 0 | ? | 0 | Thunderstorm Wind |
| Racine Co., Waterford | 04 | 2004CST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| Raymond | 04 | 2010CST | | | 0 | 0 | ? | ? | Thunderstorm Wind |
| <p>Severe thunderstorms struck Eastern Wisconsin with winds gusting to 70 mph, felling trees and power lines and causing minor property damage near Wautoma, Shawano, Ripon, Byron, New Berlin, Waukesha, Mukwonago, Big Bend, Hales Corners, Milwaukee, Waterford, and Racine. Tents and three planes were damaged at the EAA convention at Oshkosh. Several barns and sheds sustained major damage near Lena and Chilton. A tornado skipped through Manitowoc County from 1E of Reedsville to 2N of Cato damaging two barns, one shed and several trees. A house was extensively damaged in Ripon. Lightning struck and injured a jogger in Green Bay. Along Lake Beulah intense winds tipped over sailboats, piers and trees, and damaged several homes. Three semi-trailers, one carrying a mobile home, were upended by strong thunderstorm winds near Francis Creek.</p> | | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | | | ESTIMATED ¹ DAMAGE | CHARACTER OF STORM |
|---------------------------------|---|-----------------------|------------------------|-----------------------|----------------|---------|----------|-------|-------------------------------|------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | | |
| WISCONSIN | | | | | | | | | | |
| Polk Co., Cushing | 07 | 1800CST | | | 0 | 0 | ? | ? | | Thunderstorm Wind |
| St. Croix Co., Hudson | 07 | 1815-1830CST | | | 0 | 1 | 6 | ? | | Thunderstorm Wind |
| Roberts | 07 | 1835CST | | | 0 | 0 | ? | ? | | Thunderstorm Wind |
| Pierce Co., River Falls | 07 | 1835CST | | | 0 | 0 | ? | ? | | Thunderstorm Wind |
| Spring Valley | 07 | 1850CST | | | 0 | 0 | ? | ? | | Thunderstorm Wind |
| | <p>A cluster of severe thunderstorms struck West-Central Wisconsin, downing trees and power lines in Cushing, Roberts, River Falls and Spring Valley. Up to \$500,000 damage occurred in Hudson as over 300 trees were toppled by thunderstorm downburst winds. Other damage included a 40 by 60 foot shed, storage bin, numerous roofs and siding, four piers, and cars. A man was injured when a tree fell in his house.</p> | | | | | | | | | |
| Racine Co., Racine | 08 | 1530CST | | | 1 | 1 | 0 | 0 | | Lightning |
| Waukesha Co., Muskego | 08 | 1530CST | | | 0 | 0 | ? | ? | | Hail (1.00) |
| Milwaukee Co., Milwaukee | 08 | 1600CST | | | 0 | 0 | ? | ? | | Thunderstorm Wind |
| Waukesha Co., Muskego | 08 | 1740CST | | | 0 | 0 | ? | ? | | Thunderstorm Wind |
| Vernon | 08 | 2013CST | | | 0 | 0 | ? | ? | | Thunderstorm Wind (52) |
| Waukesha | 08 | 2025CST | | | 0 | 0 | 5 | 0 | | Lightning |
| | <p>Severe thunderstorms developed over Southeast Wisconsin, producing 1-inch diameter hail at Muskego and knocking over trees and power lines in Milwaukee, Vernon and Muskego. Lightning struck 2 girls in a Racine park, killing one and injuring the other. Lightning also started a fire at a Waukesha home causing over \$100,000 in damage. (F170)</p> | | | | | | | | | |
| Waushara Co., 4SE Wautoma | 11 | 1130CST | | | 2 | 4 | 0 | 0 | | Lightning |
| Fond du Lac Co., Eden | 11 | 1245CST | | | 0 | 0 | ? | ? | | Thunderstorm Wind |
| | <p>A bolt of lightning struck 6 children at a campground near Wautoma, killing two and injuring four. A severe thunderstorm knocked down trees near Eden. (M110, M130)</p> | | | | | | | | | |
| Shawano Co., Birmamwood | 12 | 1100CST | | | 1 | 0 | 0 | 0 | | Lightning |
| Sheboygan Co., 2N Howards Grove | 12 | 1500CST | | | 0 | 0 | 4 | 0 | | Thunderstorm Wind |
| Manitowoc Co., Mishicot | 12 | 1638CST | | | 0 | 0 | 5 | 0 | | Thunderstorm Wind |
| Kewaunee Co., Algona | 12 | 1645CST | | | 0 | 0 | ? | ? | | Thunderstorm Wind |
| | <p>Lightning from a thunderstorm struck and killed a farmer near Birmamwood. Severe thunderstorms damaged several barns and silos 2N of Howards Grove and near Mishicot. Trees were knocked down near Algona from a severe thunderstorm. (M310)</p> | | | | | | | | | |
| Bayfield Co., 1N Mason | 13 | 0700CST | 0.1 | 50 | 0 | 0 | 5 | 0 | | Tornado (F1) |
| Washington Co., Kewaskum | 13 | 1430CST | | | 0 | 1 | 0 | 0 | | Lightning |
| | <p>A tornado set down on a farm north of Mason, lifting a silo and dropping it onto a barn. A milk house and grain storage bin were also destroyed and five cows were crushed. A man was injured when he was struck by lightning in Kewaskum.</p> | | | | | | | | | |
| Forest Co., Crandon | 16 | 1720CST | | | 0 | 0 | 3 | 0 | | Thunderstorm Wind |
| Oconto Co., Oconto | 16 | 1730CST | | | 0 | 0 | ? | ? | | Hail (1.75) |
| | <p>Severe thunderstorm winds up to 60 mph damaged an airplane at the Crandon airport and hail up to golfball size fell in Oconto.</p> | | | | | | | | | |
| WISCONSIN | | | | | | | | | | |
| Outagamie Co., Appleton | 17 | 1515CST | | | 0 | 0 | 5 | 0 | | Thunderstorm Wind |
| Appleton | 17 | 1515CST | | | 0 | 0 | 0 | ? | | Hail (0.75) |
| Darby | 17 | 1525CST | | | 0 | 0 | 4 | 0 | | Thunderstorm Wind |
| Kaukauna | 17 | 1535CST | | | 0 | 0 | 5 | 0 | | Thunderstorm Wind |
| Calumet Co., Harrison | 17 | 1530CST | | | 0 | 1 | 5 | 0 | | Thunderstorm Wind |
| Hilbert | 17 | 1545CST | | | 0 | 0 | 5 | 0 | | Thunderstorm Wind |
| IN Hilbert | 17 | 1547CST | | | 0 | 0 | ? | ? | | Hail (1.00) |
| Manitowoc Co., Valders | 17 | 1600CST | | | 0 | 0 | ? | ? | | Hail (1.75) |
| | <p>Severe thunderstorms roared through the Appleton, Darby, Kaukauna areas, causing \$250,000 damage to 35 homes, 5 barns, numerous trees and power lines. A severe thunderstorm struck at Harrison, downing a barn and causing roof damage. Another severe thunderstorm hit the Hilbert area with 1-inch diameter hail and winds that extensively damaged 4 barns and a silo and tore the roof off an apartment building, slightly injuring a woman. Hail up to golfball size fell at Valders.</p> | | | | | | | | | |
| Jefferson Co., Fort Atkinson | 18 | 1400CST | | | 0 | 0 | 3 | ? | | Thunderstorm Wind |
| Walworth Co., Sharon | 18 | 1455CST | | | 0 | 0 | 3 | ? | | Thunderstorm Wind |
| | <p>Severe thunderstorms downed trees in the Sharon area, and knocked down a shed, caused some roof damage and downed power wires in Fort Atkinson.</p> | | | | | | | | | |
| Statewide | August | | | | 1 | 0 | 0 | 0 | | Heat |
| Statewide | August | | | | 0 | 0 | ? | ? | | Drought |
| | <p>The first three weeks of August saw searing heat with several days of record high temperatures over 100 degrees and very humid conditions. An elderly woman in Milwaukee died of cardiac arrest brought on by heat stroke. Many communities extended hours for the elderly in air conditioned shelters. Public swimming pools stayed open past dark. Many new records were set for generation of electricity. The last week of the month saw cooler air move into the region. Rainfall was more plentiful and widespread than the previous three months. As a result, the last of the emergency fire regulations banning outdoor campfires and stove fires and most smoking were lifted. In the area of agriculture, the month's end saw a continued large sell off of pigs and cattle. 51% of the crops were rated as poor, 34% fair and only 15% good. Most of the corn was being used for silage as grain yields were poor. Pickles were below normal yields. Pastures improved with the rain but the soil moisture over the state was still rated as 80% short of moisture with only 20% rated as having adequate moisture. (F720)</p> | | | | | | | | | |
| 48 WYOMING | | | | | | | | | | |
| WYONW-ONE- | 01 | 0001 TQ | | | 0 | 0 | 0 | ? | | DROUGHT |
| -OSW- | 31 | 2400MST | | | | | | | | |
| NORTHWESTERN | | | | | | | | | | |
| NORTHEASTERN | | | | | | | | | | |
| SOUTHWESTERN | | | | | | | | | | |
| WYOMING | | | | | | | | | | |
| | <p>THE EFFECTS OF THE EXTREME DRYNESS ALONG WITH MUCH ABOVE NORMAL TEMPERATURES OVER ALL BUT SOUTHEASTERN WYOMING DURING JUNE AND JULY WERE MAXIMIZED IN AUGUST. NUMEROUS LOCATIONS ACROSS THE COWBOY STATE WERE EXPERIENCING AT LEAST ONE OF THE HOTTEST AND DRIEST SUMMERS ON RECORD. ONE EFFECT OF THE DRYNESS WAS THAT MANY LAKES AND RESERVOIRS WERE AT NEAR RECORD LOW LEVELS. THIS INCLUDED THE BOYSEN AND BUFFALO BILL RESERVOIRS AND BIG HORN LAKE. AS THE RESULT OF SUBSTANTIAL CROP LOSSES, AT LEAST NINE COUNTIES WERE DECLARED STATE DISASTER AREAS. THESE WERE FREMONT, LINCOLN, SUBLETTE, CAMPBELL, CROOK, WESTON, NIOBRARA, JOHNSON, AND CONVERSE COUNTIES. FINALLY, NUMEROUS AND LARGE WILD FIRES, DUE TO THE EXTREME FIRE DANGERS FROM THE DRY WEATHER, FLARED UP DURING THE SUMMER INCLUDING AUGUST.</p> | | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|--|----------|-----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| WYOMING | | | | | | | | | |
| PARK CO. TETON CO. CAMPBELL CO. CROOK CO. NATRONA CO. SWEETWATER CO. WESTON CO. | 01 06 | 0001 TO 2400MST | | | 0 | 0 | 5 | 0 | LIGHTNING |
| PARK CO. TETON CO. CONVERSE CO. SWEETWATER CO. LINCOLN CO. CARBON CO. | 07 13 | 0001 TO 2400MST | | | 0 | 0 | 5 | 0 | LIGHTNING |
| TETON CO. PARK CO. SWEETWATER CO. LINCOLN CO. FREMONT CO. WASHAKIE CO. HOT SPRINGS CO. | 14 20 | 0001 TO 2400MST | | | 0 | 0 | 5 | 0 | LIGHTNING |
| TETON CO. PARK CO. SWEETWATER CO. | 21 27 | 0001 TO 2400MST | | | 0 | 0 | 5 | 0 | LIGHTNING |
| <p>WITH THE CONTINUATION OF THE HOT, DRY WEATHER, AT LEAST 29 FIRES WERE STARTED BY LIGHTNING DURING THE MONTH OF AUGUST. THE THUNDERSTORMS THAT WERE RESPONSIBLE FOR THE IGNITIONS WERE GENERALLY HIGH-BASED AND PRODUCED LITTLE RAINFALL. MOST OF THESE FIRES WERE RELATIVELY SMALL, LESS THAN 100 ACRES. HOWEVER, THE DORN #2 FIRE, LOCATED IN WASHAKIE COUNTY, ON AUGUST 14TH, GREW TO 1514 ACRES. THE LARGEST BLAZE WAS THE FERN FIRE, LOCATED IN YELLOWSTONE PARK. THAT FIRE OCCURRED ON AUGUST 5TH. THE FERN FIRE TORCHED 2000 ACRES BEFORE IT BURNED INTO THE CLOVER-MIST BLAZE (ANOTHER FIRE IGNITED BY LIGHTNING DURING THE PREVIOUS MONTH OF JULY).</p> <p>ON A WEEK-BY-WEEK BASIS, THE BREAKDOWN OF LIGHTNING FIRES IS AS FOLLOWS: FROM THE 1ST THROUGH THE 6TH, THERE WERE 10 SUCH BLAZES. BETWEEN THE 7TH AND 13TH, ANOTHER 10 LIGHTNING FIRES OCCURRED. DURING THE 14TH TO THE 20TH, 6 FIRES WERE REPORTED. FINALLY, FROM THE 21ST THROUGH THE 27TH, THERE WERE 3 BLAZES. ACCORDING TO THE BUREAU OF LAND MANAGEMENT FOR WYOMING, 4,159 ACRES WERE TORCHED WITH AN ESTIMATED LOST RESOURCE VALUE OF 415,900 DOLLARS. THAT FIGURE DOES NOT INCLUDE THE FIRES STARTED BY LIGHTNING IN YELLOWSTONE PARK BECAUSE THIS INFORMATION IS NOT YET AVAILABLE.</p> | | | | | | | | | |
| NATRONA CO. CASPER | 01 | 1833MST | | | 0 | 0 | 0 | 0 | THUNDER-STORM WIND(54) |
| <p>A HIGH-BASED THUNDERSTORM PRODUCING LITTLE RAINFALL CAUSED A WIND GUST OF 62 MPH AT THE NATRONA COUNTY AIRPORT, IN CASPER, DURING THE EARLY EVENING OF THE 1ST. NO DAMAGE OR INJURIES WERE REPORTED.</p> | | | | | | | | | |
| FREMONT CO. LANDER | 02 | 1344MST | | | 0 | 0 | 4 | 0 | THUNDER-STORM WIND(58) |
| FREMONT CO. HUDSON | 02 | 1415MST | | | 0 | 0 | 4 | 0 | THUNDER-STORM WIND(52) |
| <p>DURING THE AFTERNOON OF THE 2ND, SEVERE THUNDERSTORMS DEVELOPED OVER CENTRAL WYOMING. VISIBILITIES WERE REDUCED TO NEAR ZERO AT LANDER DUE TO BLOWING DUST AT THE TIME OF THEIR PEAK THUNDERSTORM WIND GUST. PROPERTY DAMAGE WAS REPORTED AT BOTH LANDER AND HUDSON. THIS INCLUDED DAMAGE TO CARS AS THE RESULT OF DOWNED TREES AND OVERTURNED BOATS AND TRAILERS.</p> | | | | | | | | | |
| WYOMING | | | | | | | | | |
| ALBANY CO. 12N LARAMIE | 03 | 1854MST | | | 0 | 0 | 0 | ? | HAIL(.75) |
| ALBANY CO. LARAMIE | 03 | 1858MST | | | 0 | 0 | 3 | 0 | THUNDER-STORM WIND(59) |
| LARAMIE CO. 25W CHEYENNE | 03 | 1942MST | | | 0 | 0 | 0 | ? | HAIL(.75) |
| LARAMIE CO. CHEYENNE | 03 | 2022MST | | | 0 | 0 | 0 | 0 | HAIL(.75) |
| <p>DURING THE EVENING OF THE 3RD, AN INTENSE UPPER-LEVEL DISTURBANCE CAUSED SEVERE THUNDERSTORMS TO DEVELOP OVER SOUTHEAST WYOMING. WIND GUSTS UP TO 60 MPH FROM THE STORMS IN THE CITY OF LARAMIE AND THE IMMEDIATE SURROUNDING COUNTRYSIDE CAUSED MINOR DAMAGE. THIS INCLUDED A HORSE TRAILER BEING FLIPPED OVER ON ITS SIDE AND THE DESTRUCTION OF A SMALL WOODEN SHED. NO PROPERTY DAMAGE WAS REPORTED FROM THE HAIL THAT FELL IN ALBANY OR LARAMIE COUNTIES. AS THE THUNDERSTORMS BOARDED THROUGH CHEYENNE, AS MUCH AS 80 HUNDRETHS OF AN INCH OF RAIN FALLING IN 13 MINUTES IN ADDITION TO THE DIME-SIZED HAIL WAS REPORTED.</p> | | | | | | | | | |
| FREMONT CO. 30NE RIVERTON | 05 | 1648MST | | | 0 | 0 | 0 | 0 | LIGHTNING |
| <p>DURING THE LATE AFTERNOON OF THE 5TH, LIGHTNING FROM A THUNDERSTORM IGNITED A FIRE THAT BURNED 7 ACRES. THE BLAZE OCCURRED ON COPPER MOUNTAIN.</p> | | | | | | | | | |
| LARAMIE CO. CHEYENNE | 08 | 1410MST | | | 0 | 0 | 0 | 0 | SMALL HAIL(.50) |
| <p>DURING THE AFTERNOON OF THE 8TH, A STRONG THUNDERSTORM MOVED THROUGH CHEYENNE PRODUCING HALF-INCH DIAMETER HAIL. UP TO 6 TENTHS OF AN INCH OF RAIN IN ABOUT 30 MINUTES WAS REPORTED FROM THE STORM AROUND THE CITY.</p> | | | | | | | | | |
| ALABANY CO. LARAMIE | 09 | 1449MST | | | 0 | 0 | 0 | 0 | THUNDER-STORM WIND(54) |
| <p>A BRIEF WIND GUST TO 62 MPH WAS LOGGED AT THE LARAMIE AIRPORT FROM A HIGH-BASED THUNDERSTORM. ALL PRECIPITATION FALLING FROM THE STORM WAS EVAPORATING BEFORE REACHING THE GROUND, THUS CAUSING THE STRONG SURFACE WINDS.</p> | | | | | | | | | |
| BIG HORN CO. COWLEY | 11 | 1430MST | | | 0 | 0 | 4 | 0 | THUNDER-STORM WIND(50) |
| <p>DURING THE AFTERNOON OF THE 11TH, OUTFLOW FROM A THUNDERSTORM DESTROYED AN AIRPLANE HANGAR AT THE NORTH BIG HORN AIRPORT. PARTS OF THE HANGAR WERE SPREAD SEVERAL HUNDRED YARDS APART ALONG THE GROUND.</p> | | | | | | | | | |
| SHERIDAN CO. 18N LETTER | 11 | 1600MST | | | 0 | 0 | 0 | 0 | LIGHTNING |
| <p>LIGHTNING STRIKES FROM THUNDERSTORMS CAUSED TWO SEPARATE GRASS FIRES DURING THE LATE AFTERNOON OF THE 11TH. DURING THAT SAME NIGHT, THE BLAZES MERGED AND AT LEAST 10,000 ACRES OF GRASS WERE TORCHED BY THE FOLLOWING DAY. THE FIRE WAS CONTAINED DURING THE 12TH.</p> | | | | | | | | | |
| WASHAKIE CO. 10N WORLAND | 15 | 1500MST | | | 0 | 0 | 3 | 0 | THUNDER-STORM WIND(50) |
| <p>DURING THE AFTERNOON OF THE 15TH, THUNDERSTORM WINDS BLEW THROUGH WASHAKIE COUNTY. A WIND GUST OF 58 MPH LIFTED THE ROOF OFF OF A GARAGE AND TOPPLED IT TO THE GROUND 10 MILES NORTH OF WORLAND. AROUND 1530 MST, THE AIRPORT IN THE CITY OF WORLAND REPORTED A GUST OF 47 MPH FROM A THUNDERSTORM.</p> | | | | | | | | | |

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1988

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED ¹ DAMAGE | | CHARACTER OF STORM |
|--|-------|-----------------------|------------------------|-----------------------|----------------|---------|-------------------------------|-------|---------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| 49 ALASKA, Northern ——— NO REPORT RECEIVED | | | | | | | | | |
| 49 ALASKA, Southern | | | | | | | | | |
| North Gulf Coast | 21 | 1100AST | | | 0 | 0 | 0 | 0 | High Winds |
| <p>A storm in the Gulf of Alaska moved inland along the north Gulf of Alaska coast. It produced winds (gusts) to 50 mph along the coast and to 60 mph offshore.</p> | | | | | | | | | |
| 49 ALASKA, Southeastern ——— NONE REPORTED | | | | | | | | | |
| 50 HAWAII | | | | | | | | | |
| Kauai and Oahu | 2 - 3 | | | | 0 | 0 | 3 | 0 | Flash Flooding |
| <p>Tropical Depression GILMA moved westward through the Hawaiian Chain passing just north of Maui and Molokai, over Oahu, and just south of Kauai. Some heavy showers and thunderstorms occurred over Oahu and Kauai and caused some localized street flooding. The heaviest rainfall on Oahu occurred during the evening and nighttime hours of the 2nd, and on Kauai during the morning hours of the 3rd.</p> | | | | | | | | | |
| Hawaii and Kauai | 4 - 8 | | | | 0 | 0 | 4 | 0 | Flash Flooding, High Surf |
| <p>Hurricane FABIO approached the islands and weakened as it moved along a path south and southwest of the chain. High surf was reported along the Hawaiian black sand beaches of Puna and Kau on the 4th and 5th while some heavy showers fell along the Hilo side of Hawaii during the afternoon of the 6th. Some street flooding was reported in Hilo and Kurtistown. Minor flooding also occurred along the north shore of Kauai between Haena and Hanalei on the 8th.</p> | | | | | | | | | |
| Kauai | 11 | 1300HST | | | 0 | 0 | 3 | 0 | Flash Flooding |
| <p>The remnant circulation of one-time Hurricane HECTOR moved through the Hawaiian area. Heavy showers brought some localized flooding along the north shore of Kauai.</p> | | | | | | | | | |
| Hawaii | 11 | 1400HST | | | 0 | 1 | 0 | 0 | Lightning |
| <p>Two individuals were affected by nearby lightning strikes. One, a police officer who was standing by his auto in the Volcano National Park area as the bolt hit nearby, was checked at a medical facility and released. The other, a male in his early 30's who was standing outside his residence in Mountain View as the lightning struck a tree less than 50 yards away, was taken to the hospital and treated for several days.</p> | | | | | | | | | |
| 51 PUERTO RICO | | | | | | | | | |
| PRZALL All Island | 23-25 | | | | | | 3 | | Tropical Depression |
| <p>A Tropical Depression passed south of Puerto Rico and the Virgin Islands during August 23-25, 1988. The main weather associated with this depression was mostly north and east of the center and kept affecting the area for about 48 hours. Rainfall reports ranged from 5 to 15 inches with the most affected area being the southwest of Puerto Rico which received a little over 12 inches in a 24-hour period ending at 8:00 A.M., August 25, 1988. Three deaths were related to this event. Mr. Carlos Rivera Ginet 33, and his 12 year old son, Carlos Rivera Pacheco. They were killed when their car was crushed by a falling tree at Adjuntas on the afternoon of August 24, 1988. The third victim was Mr. Felix Guzman 46, who was killed under the same circumstances one day earlier at Barceloneta, around 7:00 P.M. Property damages were estimated around 8.8 million dollars. M12V, M33V, M46V.</p> | | | | | | | | | |
| 52 VIRGIN ISLANDS ——— NONE REPORTED | | | | | | | | | |
| 53 PACIFIC | | | | | | | | | |
| Wake Island | 15-16 | | | | 0 | 0 | 4 | 0 | Wind |
| <p>Gusty winds occurred in the Wake Island area as Tropical Storm DOYLE developed nearby, causing minor damage in the area.</p> | | | | | | | | | |

STORM SUMMARY

AUGUST 1988

| TYPE | ALABAMA | ARIZONA | ARKANSAS | CALIFORNIA | COLORADO | CONNECTICUT | DELAWARE | FLORIDA | GEORGIA | IDAHO | ILLINOIS | INDIANA | IOWA | KANSAS | KENTUCKY | LOUISIANA | MAINE | MARYLAND & DC | MASSACHUSETTS | MICHIGAN | MINNESOTA | MISSISSIPPI | MISSOURI | MONTANA | NEBRASKA | NEVADA | NEW HAMPSHIRE |
|---|---------|---------|----------|------------|----------|-------------|----------|---------|---------|-------|----------|---------|------|--------|----------|-----------|-------|---------------|---------------|----------|-----------|-------------|----------|---------|----------|--------|---------------|
| TORNADOES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number | | | | | 3 | | | 2 | | | | 2 | 4 | | | | | | | | 10 | 2 | | | | | |
| Days | | | | | 3 | | | 2 | | | | 1 | 2 | | | | | | | | 7 | 2 | | | | | |
| Deaths | | | | | 0 | | | 0 | | | | 0 | 0 | | | | | | | | 1 | 0 | | | | | |
| Injuries | | | | | 0 | | | 0 | | | | 0 | 0 | | | | | | | | 1 | 0 | | | | | |
| Property Damage | | | | | 4 | | | 5 | | | | 5 | 6 | | | | | | | | 6 | 4 | | | | | |
| Crop Damage | | | | | 0 | | | 0 | | | | 3 | 4 | | | | | | | | 0 | 0 | | | | | |
| HAIL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | 0 | 0 | 0 | | 0 | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | | | | | 0 | 0 | | | | 0 | 0 |
| Injuries | 0 | 0 | 0 | | 16 | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | | | | | 0 | 0 | | | | 0 | 0 |
| Property Damage | ? | ? | ? | | 6 | | | | | 0 | 0 | 0 | 0 | 4 | | 0 | | | | | 4 | 0 | | | | 6 | 4 |
| Crop Damage | 0 | 5 | ? | | 5 | | | | | ? | 0 | ? | 5 | 4 | | ? | | | | | 4 | 0 | | | 7 | | 0 |
| THUNDERSTORM WINDS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Injuries | ? | 7 | 7 | 0 | 0 | | ? | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | ? | ? | ? | 4 | 1 | 0 | 1 | 0 | 0 | 0 | |
| Property Damage | ? | 8 | 5 | 6 | 6 | | ? | 4 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 4 | 5 | ? | ? | 4 | 5 | 4 | 5 | 4 | 6 | 3 | |
| Crop Damage | 0 | ? | 3 | 0 | 5 | | 0 | 0 | 0 | 3 | 0 | 4 | 5 | 4 | 0 | ? | ? | ? | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | |
| HIGH WINDS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | | | | | | 0 | 0 | | | | | | | | | 0 | | 0 | | | | | | 0 | | | |
| Injuries | | | | | | 0 | 0 | | | | | | | | | 0 | | 0 | | | | | | 0 | | | |
| Property Damage | | | | | | 5 | 4 | | | | | | | | | 5 | | 6 | | | | | | 1 | | | |
| Crop Damage | | | | | | 0 | 0 | | | | | | | | | 0 | | ? | | | | | | 0 | | | |
| LIGHTNING | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | 0 | 0 | | 0 | 0 | | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Injuries | 1 | 1 | | 0 | 0 | | 8 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 1 | 3 | 1 | 2 | 3 | 0 | 0 | 0 | |
| Property Damage | 3 | 0 | | 4 | 4 | | 0 | 5 | 6 | ? | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 3 | 5 | 5 | 2 | |
| Crop Damage | 0 | 0 | | 4 | 0 | | 0 | 0 | ? | | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | |
| FLASH FLOODS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | | 1 | | 2 | | | | | | | | 2 | | | | | | | | | | 0 | | | | | |
| Injuries | | 0 | | 0 | | | | | | | | 0 | | | | | | | | | | 0 | | | 0 | | |
| Property Damage | | 7 | | 5 | | | | | | | | 2 | | | | | | | | | | 4 | | | 4 | | 0 |
| Crop Damage | | 0 | | 0 | | | | | | | | 0 | | | | | | | | | | 0 | | | 7 | | 0 |
| FLOODS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| Injuries | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| Property Damage | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | |
| Crop Damage | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| HEAVY SNOWSTORMS AND BLIZZARDS @ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Injuries | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Property Damage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crop Damage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICE STORMS # | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Injuries | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Property Damage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crop Damage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HURRICANES AND TROPICAL STORMS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | 0 | | | | | | | | | | | | | | | 0 | | | | | | 0 | | | | | |
| Injuries | 0 | | | | | | | | | | | | | | | 0 | | | | | | 0 | | | | | |
| Property Damage | ? | | | | | | | | | | | | | | | 5 | | | | | | 5 | | | | | |
| Crop Damage | ? | | | | | | | | | | | | | | | ? | | | | | | 0 | | | | | |
| ALL OTHERS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | | | 0 | 0 | 0 | | 0 | | 1 | ? | ? | | 1 | | | 0 | | 1 | | | 11 | | | | | | |
| Injuries | | | 18 | 0 | 0 | | ? | | 0 | ? | ? | | 0 | | | 0 | | ? | | | 0 | | | | | | |
| Property Damage | | | 0 | 5 | 7 | | ? | | 0 | 6 | 0 | | 0 | | | ? | | ? | | | ? | | | | | | |
| Crop Damage | | | 0 | 0 | 4 | | ? | | 0 | 6 | ? | | 9 | | | ? | | ? | | | 0 | | | | | | |

SEE REFERENCE NOTES FOR STORM DAMAGE CATEGORIES

STORM SUMMARY

AUGUST 1988

| TYPE | NEW JERSEY | NEW MEXICO | NEW YORK | NORTH CAROLINA | NORTH DAKOTA | OHIO | OKLAHOMA | OREGON | PENNSYLVANIA | RHODE ISLAND | SOUTH CAROLINA | SOUTH DAKOTA | TENNESSEE | TEXAS | UTAH | VERMONT | VIRGINIA | WASHINGTON | WEST VIRGINIA | WISCONSIN | WYOMING | ALASKA | HAWAII | PACIFIC | PUERTO RICO | VIRGIN ISLANDS | NATIONAL DEATH & INJURY TOTALS |
|---|------------|------------|----------|----------------|--------------|------|----------|--------|--------------|--------------|----------------|--------------|-----------|-------|------|---------|----------|------------|---------------|-----------|---------|--------|--------|---------|-------------|----------------|--------------------------------|
| TORNADOES | | | | | | | | | | | | | | | | | | 0 | | | | * | | | 0 | | |
| Number | 3 | | 3 | 3 | 12 | | | | 1 | | 1 | | | 2 | | 1 | 2 | | | | 6 | | | | | | |
| Days | 1 | | 3 | 2 | 3 | | | | 1 | | 1 | | | 2 | | 1 | 2 | | | | 4 | | | | | | |
| Deaths | 0 | | 1 | 0 | 0 | | | | 0 | | 1 | | | 0 | | 0 | 0 | | | | 0 | | | | | 3 | |
| Injuries | 0 | | 1 | 1 | 0 | | | | 0 | | 1 | | | 0 | | 0 | 1 | | | | 0 | | | | | 5 | |
| Property Damage | 6 | | 6 | 5 | 6 | | | | 5 | | 6 | | | ? | | 3 | 6 | | | | 5 | | | | | | |
| Crop Damage | 0 | | 0 | 0 | 5 | | | | 0 | | 0 | | | ? | | 0 | 0 | | | | ? | | | | | | |
| HAIL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Injuries | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | |
| Property Damage | ? | ? | 5 | 7 | ? | ? | ? | ? | 3 | ? | 3 | ? | ? | ? | ? | 5 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | |
| Crop Damage | ? | 0 | 5 | 7 | 0 | ? | ? | ? | ? | ? | 0 | 0 | ? | ? | 5 | 6 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | |
| THUNDERSTORM WINDS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | |
| Injuries | 14 | 0 | 4 | 0 | 4 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 52 | |
| Property Damage | 5 | ? | 7 | 4 | 5 | 5 | 5 | ? | 5 | ? | 6 | 5 | 4 | 6 | 4 | 7 | 5 | ? | ? | 6 | ? | ? | ? | ? | ? | ? | |
| Crop Damage | 0 | 0 | 6 | 0 | ? | 0 | ? | ? | ? | ? | 0 | 0 | 0 | 4 | 0 | 5 | ? | ? | ? | ? | 0 | ? | ? | ? | ? | ? | |
| HIGH WINDS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | 0 | ? | 3 | | | | | | | 0 | 0 | 0 | | | | | | | | | | | | 0 | 0 | 3 | |
| Injuries | 0 | ? | 1 | | | | | | | 0 | 3 | 0 | | | | | | | | | | | | 0 | 0 | 1 | |
| Property Damage | ? | | ? | | | | | | | 3 | 0 | | | | | | | | | | | | | 4 | 0 | ? | |
| Crop Damage | 0 | | ? | | | | | | | 0 | 0 | | | | | | | | | | | | | 0 | 0 | ? | |
| LIGHTNING | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 14 | |
| Injuries | 1 | 1 | 1 | 1 | 0 | 11 | 4 | 0 | 0 | 2 | 4 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 64 | |
| Property Damage | 0 | 0 | 6 | 5 | 5 | 6 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 5 | 5 | 5 | ? | ? | ? | ? | |
| Crop Damage | 0 | 0 | 4 | 0 | ? | 0 | ? | ? | 0 | 0 | 0 | 0/c | 0 | 0 | 0 | 2 | 0 | | | ? | ? | 0 | 0 | 0 | 0 | ? | |
| FLASH FLOODS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | | 0 | | | | | | | 0 | | 0 | | | 0 | 0 | | | | | | | | | 0 | 0 | 5 | |
| Injuries | | 0 | | | | | | | 0 | | 0 | | | 0 | 0 | | | | | | | | | 0 | 0 | 0 | |
| Property Damage | | ? | | | | | | | 5 | | 4 | | | 5 | 5 | | | | | | | | | 4 | 0 | ? | |
| Crop Damage | | ? | | | | | | | ? | | 0 | | | 3 | 0 | | | | | | | | | 0 | 0 | ? | |
| FLOODS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Injuries | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Property Damage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crop Damage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HEAVY SNOWSTORMS AND BLIZZARDS @ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Injuries | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Property Damage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crop Damage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICE STORMS # | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Injuries | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Property Damage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crop Damage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HURRICANES AND TROPICAL STORMS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | | | | | | | | | | | 0 | | | | | | | | | | | | | | | | |
| Injuries | | | | | | | | | | | 0 | | | | | | | | | | | | | | | | |
| Property Damage | | | | | | | | | | | 5 | | | | | | | | | | | | | | | | |
| Crop Damage | | | | | | | | | | | 5 | | | | | | | | | | | | | | | | |
| ALL OTHERS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deaths | | | 0 | 1 | 0 | 0 | 1 | | | | 2 | | 2 | 3 | | ? | 0 | | | | | | | | | 27? | |
| Injuries | | | ? | 0 | 0 | ? | ? | | | | 0 | | 0 | 0 | | ? | ? | | | | | | | | | 25? | |
| Property Damage | | | ? | ? | ? | ? | ? | | | | 5 | | 0 | 0 | | ? | ? | | | | | | | | | ? | |
| Crop Damage | | | ? | ? | ? | ? | ? | | | | 5 | | ? | 0 | | ? | ? | | | | | | | | | ? | |

SEE REFERENCE NOTES FOR STORM DAMAGE CATEGORIES

STORM DAMAGE CATAGORIES

REFERENCE NOTES

- 1 Less than \$50
- 2 \$50 to \$500
- 3 \$500 to \$5,000
- 4 \$5,000 to \$50,000
- 5 \$50,000 to \$500,000
- 6 \$500,000 to \$5 Million
- 7 \$5 Million to \$50 Million
- 8 \$50 Million to \$500 Million
- 9 \$500 Million to \$5 Billion

- 0/Blank None reported.
- * Miles instead of yards.
- ** Yards instead of miles.
- @ Includes heavy sleet storm.
- # Freezing drizzle and freezing rain, commonly known as glaze.
- ≠ Report incomplete.
- ≠≠ Report not received.
- o/c Indicates Crop Damage amount is included in the value 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)

(F0) 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.

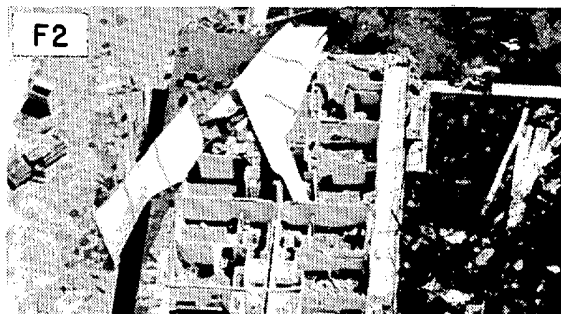
(F3) Severe tornado (158-206 mph): Severe damage
Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.

(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.

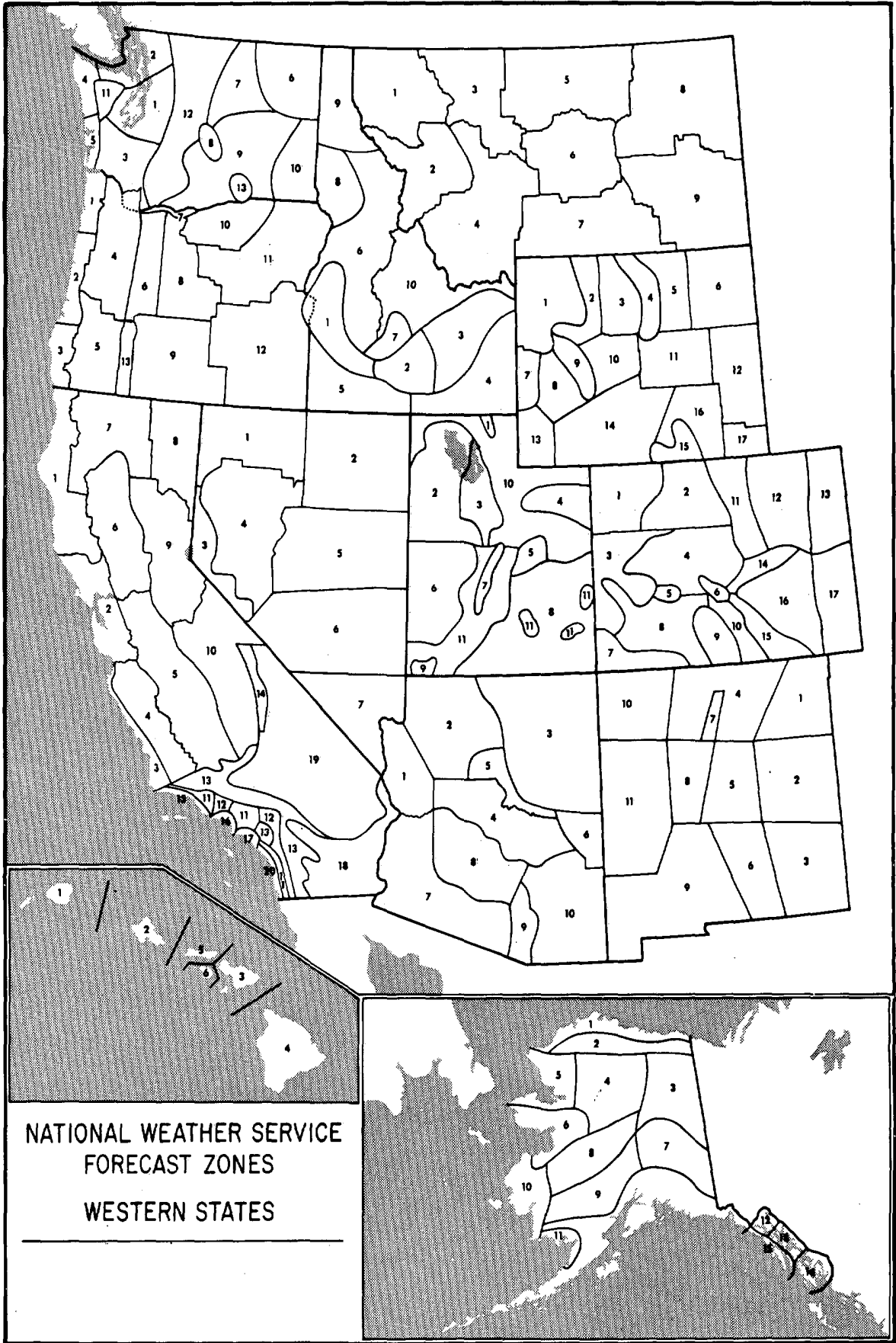
(F5) Incredible tornado (261-318 mph): Incredible damage
Strong frame houses lifted off foundations and carried considerable distance to disintegrate; automobile-sized missiles fly through the air in excess of 100 m; trees debarked; incredible phenomena will occur.

(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.

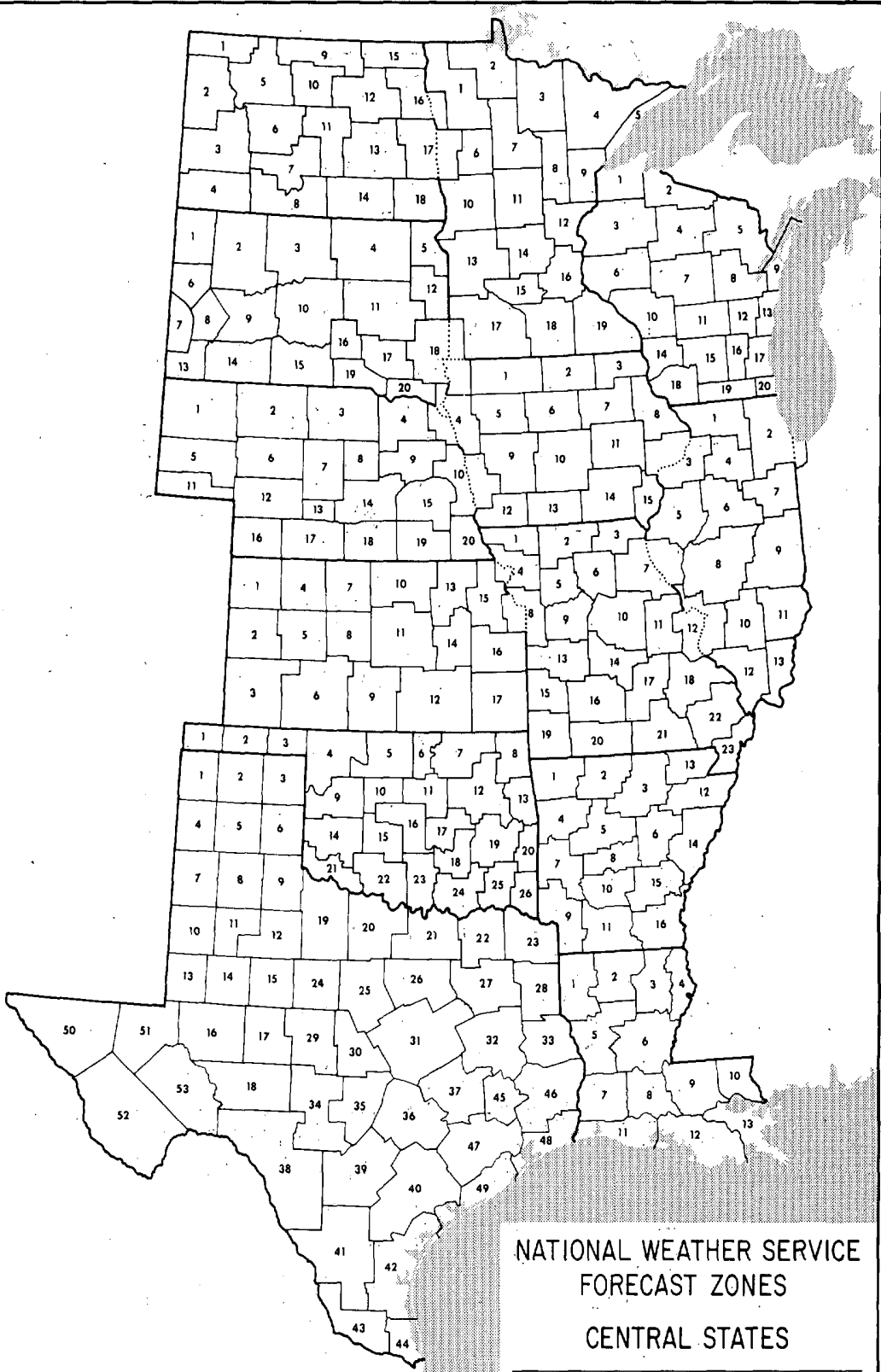
-
- (F0+F1) Weak Tornado
 - (F2+F3) Strong Tornado
 - (F4+F5) Violent Tornado
-



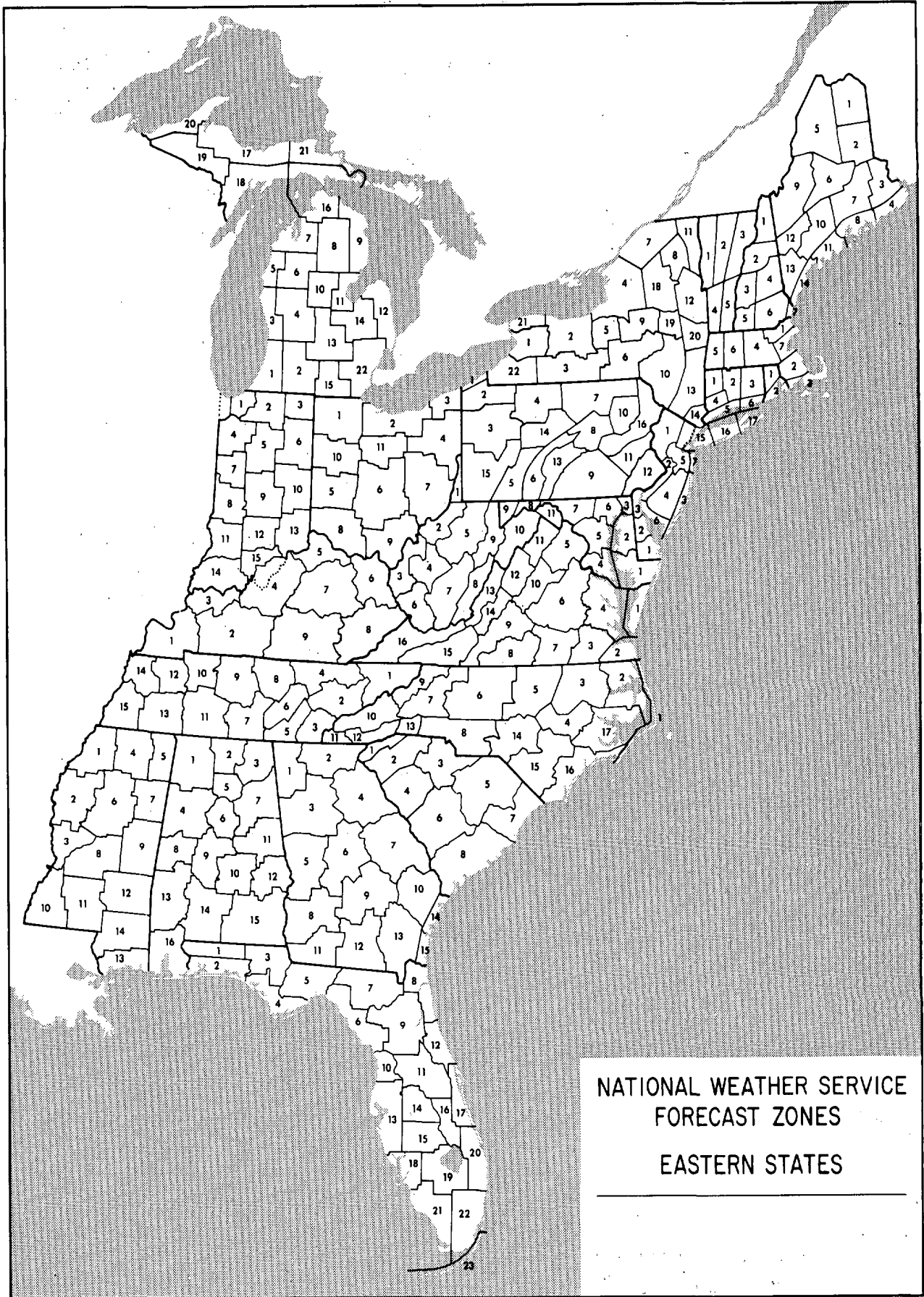
From J. Atmos. Sci., August 1981, p. 1517-1519



NATIONAL WEATHER SERVICE
FORECAST ZONES
WESTERN STATES



NATIONAL WEATHER SERVICE
FORECAST ZONES
CENTRAL STATES



NATIONAL WEATHER SERVICE
FORECAST ZONES
EASTERN STATES

MONTHLY PRECIPITATION TOTALS

ANNUAL 1987
NORTH CAROLINA

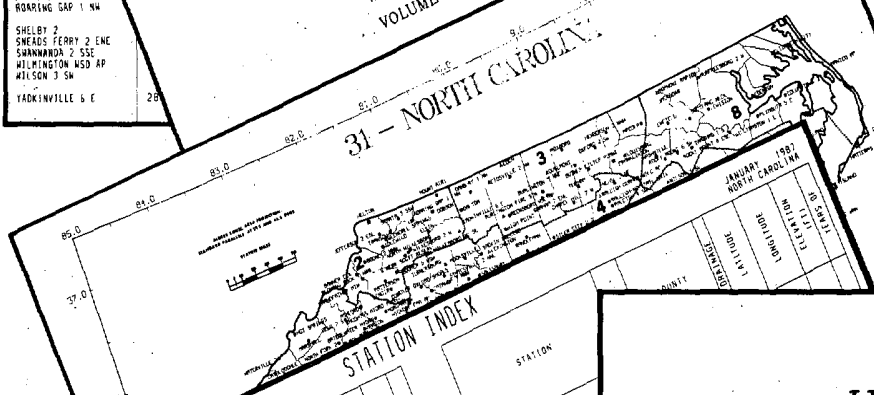
| STATION | ANNUAL | MONTH | | | | | | | | | | | |
|----------------------|--------|-------|-------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|
| | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| NORTH CAROLINA | 34.57 | 1.11 | 1.95 | 2.75 | 0.57 | 3.55 | | | | | | | |
| ASHEVILLE WSO AP | 25.67 | 0.71 | 1.57 | 1.81 | 0.53 | 2.55 | | | | | | | |
| ASHEVILLE | 36.74E | 1.20 | 2.70 | 2.90 | 0.54E | 1.70 | | | | | | | |
| ASHFORD | - | 1.70 | 1.30 | 2.60 | 1.70 | | | | | | | | |
| BADIN | - | 1.70 | 1.30 | 2.60 | 1.70 | | | | | | | | |
| B EVERETT JORDAN DAM | - | 1.70 | 1.30 | 2.60 | 1.70 | | | | | | | | |
| BOOMER 5 MSW | - | 1.00 | 2.10 | | | | | | | | | | |
| BURLINGTON 3 WNE | - | 0.80 | 1.20E | | | | | | | | | | |
| CAPE HATTERAS WSO | 49.86 | 5.75 | | | | | | | | | | | |
| CARTHAGE 8 SE | - | 1.70 | | | | | | | | | | | |
| CATALDOCHEE | - | 0.50 | | | | | | | | | | | |
| CHARLOTTE WSO AP | 26.91 | | | | | | | | | | | | |
| CLINTON 2 NE | 36.30 | | | | | | | | | | | | |
| CASLTON | - | | | | | | | | | | | | |
| COBSON | - | | | | | | | | | | | | |
| EDEEN | - | | | | | | | | | | | | |
| ELIZABETH | - | | | | | | | | | | | | |
| ELIZABETH | - | | | | | | | | | | | | |
| FAYE | - | | | | | | | | | | | | |
| FRANKLIN | - | | | | | | | | | | | | |
| GREENSBORO | - | | | | | | | | | | | | |
| GREENSBORO | - | | | | | | | | | | | | |
| HELTON | - | | | | | | | | | | | | |
| HOBUCKER | - | | | | | | | | | | | | |
| LAKE LURE | - | | | | | | | | | | | | |
| LAKESBORO | - | | | | | | | | | | | | |
| LEXINGTON | - | | | | | | | | | | | | |
| MORRISVILLE 2 | - | | | | | | | | | | | | |
| MOREHEAD CITY | - | | | | | | | | | | | | |
| MOUNT PLEASANT | - | | | | | | | | | | | | |
| WILKESBORO 12 | - | | | | | | | | | | | | |
| POLKTON 2 NE | - | | | | | | | | | | | | |
| QUEBEC | - | | | | | | | | | | | | |
| RALEIGH-DURHAM WSO | - | | | | | | | | | | | | |
| ROANKE RAPIDS | - | | | | | | | | | | | | |
| ROARING GAP 1 NW | - | | | | | | | | | | | | |
| SHELBY 2 | - | | | | | | | | | | | | |
| SNEADS FERRY 2 ENE | - | | | | | | | | | | | | |
| SUNNYSIDE 2 SSE | - | | | | | | | | | | | | |
| WILKESVILLE WSO AP | - | | | | | | | | | | | | |
| WILSON 3 SW | - | | | | | | | | | | | | |
| YADKINVILLE 6 E | 28.30 | | | | | | | | | | | | |



HOURLY PRECIPITATION DATA

NORTH CAROLINA

DECEMBER 1987
WITH ANNUAL SUPPLEMENT
VOLUME 37 NUMBER 12



STATION INDEX

| STATION | COUNTY | STATE | LOCALITY | ELEVATION (FEET) | INSTRUMENT | DATE |
|----------------------|-----------|-------|-----------|------------------|------------|------|
| NORTH CAROLINA | | | | | | |
| ASHEVILLE WSO AP | ASHEVILLE | NC | ASHEVILLE | 2050 | TELETYPE | 1948 |
| ASHEVILLE | ASHEVILLE | NC | ASHEVILLE | 2050 | TELETYPE | 1948 |
| ASHFORD | ASHFORD | NC | ASHFORD | 2050 | TELETYPE | 1948 |
| BADIN | BADIN | NC | BADIN | 2050 | TELETYPE | 1948 |
| B EVERETT JORDAN DAM | EVERETT | NC | BADIN | 2050 | TELETYPE | 1948 |

MONTHLY PRECIPITATION MAXIMA

MAXIMA FOR MEASUREMENT PERIODS OF

| STATION | HOURS | | | | | |
|----------------------|-------------|------------|------------|------------|------------|------------|
| | 15 | 30 | 45 | 1 | 2 | 3 |
| NORTH CAROLINA | | | | | | |
| ASHEVILLE WSO AP | 10 2917/295 | 20 011/145 | 20 221/245 | 20 011/145 | 20 181/200 | 20 181/200 |
| ASHEVILLE | 10 2917/295 | 20 011/145 | 20 221/245 | 20 011/145 | 20 181/200 | 20 181/200 |
| ASHFORD | 10 2917/295 | 20 011/145 | 20 221/245 | 20 011/145 | 20 181/200 | 20 181/200 |
| BADIN | 10 2917/295 | 20 011/145 | 20 221/245 | 20 011/145 | 20 181/200 | 20 181/200 |
| B EVERETT JORDAN DAM | 10 2917/295 | 20 011/145 | 20 221/245 | 20 011/145 | 20 181/200 | 20 181/200 |

HOURLY PRECIPITATION

| STATION | A.M. HOUR ENDING | | | | | | | | | | | |
|----------------------|------------------|----|----|----|----|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| NORTH CAROLINA | | | | | | | | | | | | |
| ASHEVILLE WSO AP | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 |
| ASHEVILLE | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 |
| ASHFORD | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 |
| BADIN | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 |
| B EVERETT JORDAN DAM | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 |

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HOURLY PRECIPITATION DATA

NORTH CAROLINA

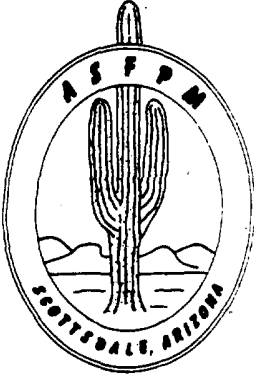
JANUARY 1987

VOLUME 37 NUMBER 1



HOURLY PRECIPITATION DATA is published monthly and presents daily, hourly, and maximum short duration data for recording rain gage stations in each state except Alaska. Also included are a published station index and a locator map for the state. In addition to the regularly published data, the December publication contains a tabulation of monthly and annual total precipitation amounts as an annual supplement.

SHELF STOCK of the printed publication is maintained only for the most recent three years. Earlier years are available on microfiche or paper copies reproduced from microfiche. The data are also available in digital form - on magnetic tape and diskette.



Association of State Floodplain Managers 13th Annual Conference



Scottsdale, Arizona
May 22-25, 1989

PARTNERSHIPS: Effective Flood Hazard Management

Most effective efforts involve **Partnerships**. The formulation and functioning of these partnerships are important to understand in order to build good relationships for better projects with the best results. This year's conference theme focuses on the effectiveness of networking and partnerships to create and implement solutions, programs, and projects to reduce flooding hazards and damages.

ABOUT THE CONFERENCE

The technical conference will be held Tuesday, Wednesday, and Thursday and will include a field trip in the Phoenix-Scottsdale area. The conference will feature one track of concurrent sessions dealing specifically with the floodplain management problems of the Arid West. The ASFPM will conduct its committee and general membership meetings on Monday. All members and prospective members are invited to participate. A technical field trip including dinner is scheduled one evening. Optional field trips and spouse activities will be available.

REGISTRATION RATES

Registration prior to April 15, 1989 will be \$150 for members, \$165 for non-members, and \$65 for students and local government officials from the State of Arizona.

EXHIBIT SPACE

Exhibit space will be made available for a fee to individuals and organizations who wish to display a product or service to conference attendees. Information on exhibit space can be acquired from Susan Josheff, Exhibits Coordinator, at the address below.

ABOUT SCOTTSDALE

Scottsdale is noted throughout the country for its creative approach to city planning. Running the length of the City is the Indian Bend Wash Greenbelt, a 7.5 mile long flood control project that uses a system of parks, lakes, and golf courses as an alternative to a conventional concrete channel. This greenbelt offers endless recreational opportunities including fishing, sailing and other sports.

Scottsdale's quality lifestyle includes well-planned living, working and shopping areas, pleasant neighborhoods and residential areas protected from traffic and noise. The City's emphasis on mountain conservation and protection of its rich desert areas is reknown nationally. Scottsdale is also recognized for its architectural and landscape design excellence and rich cultural, business and recreational environments. The City is proud of its vital downtown areas. The ambiance of Scottsdale reflects a unique blend of traditional Western and modern living.

The conference will be held at the Wyndham Paradise Valley Resort in Scottsdale, Arizona. Conference room rates are \$53 single, and \$63 double. Paradise Valley Resort is an exceptional facility which showcases Scottsdale's best features.

CONFERENCE HOST: Arizona Department of Water Resources

CONFERENCE DIRECTOR

Jim Morris
Arizona Department
of Water Resources
15 S. 15th Avenue
Phoenix, Arizona 85007
(602) 255-1566

PROGRAM CHAIR

Rebecca Q. Hughes
Maryland DNR
Water Resources Admin.
Tawes State Office Bldg. D-3
Annapolis, Maryland 21401
(301) 974-3825

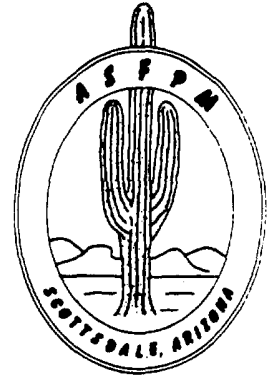
EXHIBITS COORDINATOR

Susan Josheff
Wisconsin DNR
P.O. Box 7921 (WZ/6)
Madison, Wisconsin 53707
(608) 266-2151



Association of State Floodplain Managers 13th Annual Conference

Scottsdale, Arizona
May 22-25, 1989



PARTNERSHIPS: Effective Flood Hazard Management

The Association of State Floodplain Managers (ASFPM) is a national organization. Its goal is the reduction of flood damages and hazards through sound floodplain management. Its members include representatives of local, state, and federal governments as well as those of the private and non-profit communities. The Association sponsors an annual conference on the state-of-the-art in flood damage and hazard reduction. Conference topics always span a broad spectrum of issues of interest to those involved in floodplain management, including the following:

- Effectively integrating watershed-wide floodplain management concerns with local planning and zoning.
- Status of "temporary taking" and other legal issues: what's happening in the courts?
- Case histories of communities under sanction for non-compliance with the NFIP.
- A decade of Section 406 Hazard Mitigation Planning: have we made progress?
- Reducing flood loss potential: what works?
- Do federal programs adequately address state and local needs?
- Multi-objective projects: what makes them successful?
- Improving flood prevention and awareness programs aimed at local officials and private property owners.
- How can we improve technical assistance to small communities?
- What's new and improved in the field of floodproofing?

* * * MORE INFORMATION INSIDE * * *

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